Previous

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 03/JAN/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	103

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	James Nores

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny,cool	Sunny,cool	58	47

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Repair fence at staging/stockpile area that had blown over from the storms	ERRG	1	Superintendent	8
	during the holiday break.	ERRG	1	Construction Manager	0
		ERRG	1	Project Manager	0
09	Crew working on loading, hauling and staging backfill material next to hot spot	ERRG	1	QC Manager	8
	excavation #B3416	ERRG	1	H&S Officer	8
		ERRG	1	QC Staff	8
		ERRG	1	Equipment Operators	4
		ERRG	1	Truck Drivers	2
		ERRG	6	Laborer	42

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	80
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	13765
TOTAL WORK HOURS FROM START OF CONSTRUCTION	13845

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	ERRG	5cy dump truck	8
	ERRG	F-350 flatbed	8
	ERRG	JD 310 Backhoe	8
	ERRG	25KW Generator	8

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

1/3/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard CONTRACT # N6427-09-D-2608

DATE 12/3/11 TIME 0700 PROJECT NUMBER 29 141

CLIENT Department of the Navy

SPECIFIC LOCATION HPS

TYPE OF WORK Fix Fence at stockpile area go through cont Boxes and organize load up sand in Dump truck

SAFETY TOPICS PRESENTED

SAFETY TOPICS Slip Trip Fall

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS WET, MUD, EQUIPMENT

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital PHONE 911/ 415-641-6625(ER) PARAMEDIC PHONE 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Paul Thomas	ERRG	
Viliami Lefi	ERRG	
Scott Orozco	ERRG	
Rafael Loza	ERRG	
Roberto Aguilera	ERRG	
Fernando Loza	ERRG	
William Schmidt	ERRG	
Liz Bisnig	ERRG	

Health & Safety Officer DICK EPP

SIGNATURE

SUPERINTENDENT James Nores

SIGNATURE

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: MONDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOAR
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

Client: Dept of the Navy
Date: 1/3/11
Project No.: 29-141
Page: 1 of 1

0700 SAFETY TAILGATE - S, T & F, MUD & SLIPPERY EQUIPMENT, WEAR SEAT BELTS.

SECURE PERIMETER FENCE.

DEMOB ERRG EQUIPMENT.

STAGING BACKFILL @ HOTSPOTS

Signed: RG Epp Date: 1/3/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 03/JAN/11

REPORT NO 103

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Verified that activities performed conformed to the cover installation checklist.
09	Reinstalled fencing that had been blown down during stormy weather around the laydown area to protect stockpiles from unauthorized access.
	Started hauling Decker Island Aggregate (DIA) material and stockpiling adjacent to B3426 in preparation for backfill and compaction operations.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

01/03/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 01/03/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**				
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**				
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 01/03/2011

Photo 1: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Reinstallation of fence that was blown over around the hotspot stockpiles, soil stockpiles, and laydown area.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: William Schmidt (ERRG, Inc.) Date: January 3, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 04/JAN/11	REPORT NO: 104
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: James Nores	
AM WEATHER: Sunny,cool	PM WEATHER: Sunny,cool	MAX TEMP (F): 58	MIN TEMP (F): 47

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
09	Continue loading, hauling and staging backfill material next to hot spot numbers	ERRG	1	Superintendent	8
	B3416 and B4716. While staging material at B4716 one of the 5cy dump trucks	ERRG	1	Construction Manager	0
	got stuck in the mud and had to be assisted out with a piece of heavy equipment	ERRG	1	Project Manager	0
	no equipment damage or injury, a near miss report will be submitted to the Navy	ERRG	1	QC Manager	8
		ERRG	1	H&S Officer	8
		ERRG	1	QC Staff	0
		ERRG	1	Equipment Operator	6
		ERRG	2	Truck Drivers	12
		ERRG	6	Laborer	30

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	72
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	13845
TOTAL WORK HOURS FROM START OF CONSTRUCTION	13917

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
09	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	ERRG	5cy dump truck	8
	ERRG	F-350 flatbed	8
	ERRG	JD 310 Backhoe	8
	ERRG	25KW Generator	8
	ERRG	5cy dump	8

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

1/4/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard CONTRACT # N64273-09-D-2608

DATE 1/4/11 TIME 0700 PROJECT NUMBER 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07, PARCEL B, HOTSPOTS

TYPE OF WORK DEMOB EQUIPMENT & SUPPLIES, STAGE BACKFILL @ HOTSPOTS

SAFETY TOPICS PRESENTED

SAFETY TOPICS MUD, ST+F

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS MUD, EQUIPMENT

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital PHONE 911/ 415-641-6625(ER) PARAMEDIC PHONE 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
OSCAR CROZCO	ERRG	[signature]
Viliamon Lelei	ERRG	[signature]
Rafael Loza	ERRG	[signature]
Roberto Aguilera	ERRG	[signature]
Liz Binning	ERRG	[signature]
Sam Thomas	ERRG	[signature]
Fernando Loza	ERRG	[signature]

Health & Safety Officer Dick Orr

SIGNATURE [signature]

SUPERINTENDENT James Nores

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: TUESDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 1/4/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE – MUD, STAFF

MOVING EQUIPMENT OFF-SITE.

STOCKPILING FILL @ HOTSPOTS.

EQUIPMENT IN USE – BACKHOE, 2 DUMP TRUCKS

Signed: [signature]

Date: 1/4/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 04/JAN/11

REPORT NO 104

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Verified that activities performed conformed to the cover installation checklist.
09	Continued hauling Decker Island Aggregate (DIA) material to hotspots in preparation for backfill and compaction operations. Stockpiled DIA
	material adjacent to hotspots B3416 and B4716.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	5-CY dumptruck got stuck in the mud near hotspot B4716 due to the saturated soil conditions.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

01/04/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 01/04/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**				
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**				
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 01/04/2011

Photo 1: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Water ponded due to storm water accumulation and infiltration at B4716 in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 4, 2011

Photo 2: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Clean fill soil stockpiled near B4716 in Parcel B for backfill after excavation dries.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 4, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	05/JAN/11	
CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	105
CONTRACTOR	SUPERINTENDENT	
Engineering/Remediation Resources Group, Inc.	James Nores	
AM WEATHER	PM WEATHER	MAX TEMP (F) / MIN TEMP (F)
Sunny,cool	Sunny,cool	58 / 47

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
09	Continue loading, hauling and staging backfill material next to hot spot numbers	ERRG	1	Superintendent	2
	AV20, AT22, BG31, and BJ31. Move stockpiled concrete from AV20 to the	ERRG	1	Construction Manager	0
	ERRG staging/stockpile area.	ERRG	1	Project Manager	0
		ERRG	1	QC Manager	8
		ERRG	1	H&S Officer	8
		ERRG	1	QC Staff	0
		ERRG	1	Equipment Operator	6
		ERRG	2	Truck Drivers	12
		ERRG	4	Laborer	14

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	50
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	13917
TOTAL WORK HOURS FROM START OF CONSTRUCTION	13967

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
09	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	ERRG	5cy dump truck	8
	ERRG	F-350 flatbed	8
	ERRG	JD 310 Backhoe	8
	ERRG	25KW Generator	8
	ERRG	5cy dump	8

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

1/5/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 1/5/10 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07, PARCEL B, HOTSPOTS

TYPE OF WORK STOCKPILING FILL @ HOTSPOTS

SAFETY TOPICS PRESENTED

SAFETY TOPICS STAF, MUD

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS MUD, EQUIPMENT

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Jack Thomas	ERRG	[signature]
Fernando Loza	ERRG	[signature]
Rafael Loza	ERRG	Rafael Loza
Roberto Aguilera	ERRG	[signature]
Liz Binning	ERRG	[signature]

Health & Safety Officer Dick Lam

SIGNATURE [signature]

SUPERINTENDENT James Noyes

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	WEDNESDAY	Date:	1/5/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	CLEAR	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE - MUD, SLIPPERY SURFACES, STAFF

STOCKPILING FILL @ HOT SPOTS

REMOVE CONCRETE RUBBLE FROM AV 20

EQUIPMENT IN USE: BACKHOE, 2 DUMP TRUCKS.

Signed: [signature] Date: 1/5/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 05/JAN/11

REPORT NO 105

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Verified that activities performed conformed to the cover installation checklist.
09	Continued hauling Decker Island Aggregate (DIA) material to hotspots in preparation for backfill and compaction operations. Stockpiled DIA
	material adjacent to hotspots AV20, AT22, BJ31, and BG31. Removed stockpiled concrete near AV20 and placed in the laydown area.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	5-CY dumptruck got stuck in the mud near hotspot B4716 due to the saturated soil conditions.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

01/05/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 01/05/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**				
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**				
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 01/05/2011

Photo 1: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Clean fill soil from Decker Island stockpiled near AV20 in Parcel G.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 5, 2011

Photo 2: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Clean fill soil from Decker Island stockpiled near BJ31 in Parcel D-1.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 5, 2011

Photo 3: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Clean fill soil from Decker Island stockpiled near BG31 in Parcel D-1.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 5, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 06/JAN/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 106

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: James Nores

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly cloudy, cool	Partly cloudy, cool	52	39

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
09	Continue loading, hauling and staging backfill material next to hot spot numbers	ERRG	1	Superintendent	2
	B3416, B3426, B4716, and AV20. Pumped water out of B4716 that infiltrated	ERRG	1	Construction Manager	0
	in from sidewalls. Started and completed backfill and compaction in B3416,	ERRG	1	Project Manager	0
	B3426, and AV20.	ERRG	1	QC Manager	8
		ERRG	1	H&S Officer	8
		ERRG	1	QC Staff	0
		ERRG	1	Equipment Operator	6
		ERRG	2	Truck Drivers	12
		ERRG	4	Laborer	14

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	50
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	13967
TOTAL WORK HOURS FROM START OF CONSTRUCTION	14017

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
09	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	ERRG	5cy dump truck	8
	ERRG	F-350 flatbed	8
	ERRG	JD 310 Backhoe	8
	ERRG	25KW Generator	8
	ERRG	5cy dump	8

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

1/6/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard CONTRACT # N64273-09-D-2608

DATE 1/6/11 TIME 0760 PROJECT NUMBER 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION HOT SPOTS

TYPE OF WORK BACKFILL + COMPACT

SAFETY TOPICS PRESENTED

SAFETY TOPICS STAF, MUD

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS MUD, EQUIPMENT

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital PHONE 911/ 415-641-6625(ER) PARAMEDIC PHONE 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Jack Thomas	ERRG	[signature]
Roberto Aguilera	ERRG	[signature]
Rafael Loza	ERRG	Rafael Loza
Liz Binning	ERRG	[signature]
Fernando Lopez	ERRG	[signature]

Health & Safety Officer DICK BAP

SIGNATURE [signature]

SUPERINTENDENT James Lopez

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR & COLD
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 1/6/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE - STAFF, MUD

BACKFILLED 3 HOTSPOTS, BEGAN 4TH.

PUMPED WATER IN 1 HOTSPOT EXCAVATION.

REINSTALLED PEDESTRIAN FENCE AROUND B3426

EQUIPMENT USED: BACKHOE

Signed: Richard Epp Date: 1/6/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 06/JAN/11

REPORT NO 106

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Verified that activities performed conformed to the cover installation checklist.
09	Continued hauling Decker Island Aggregate (DIA) material to hotspots in preparation for backfill and compaction operations. Pumped water
	out of hotspot B4716 that had accumulated through infiltration from the excavation sidewalls. Started and completed backfill and compaction of
	hotspots B3416, B4716, and AV20. Performed compaction testing and all lifts were above 90% compaction; however, the moisture was very
	high due to the wet conditions.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

01/06/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 01/06/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**				
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**				
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 01/06/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. CPN MC3
Date/Time: 1-6-11	Job No.: 29-141	Project/Location: HPS	Source Material: Am-241 / Cs-137	Density Std.: 24696 x 1.81
Inspector: F. LOZA	Project Engineer: E. Binning	Other:		Moisture Std: 16592 x 1.88
Curve No.: BS-DIA-05	Max. Density (PCF): 102.5	Min. Density (PCF):	Optimum Water (%): 14.9	Equipment in Use: HOE PACK
Specified % Compaction: 90%	Specified % Water:		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

Gauge Readings

Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
1		6"	114.3	21.3	93.0	22.9	91	B3416	3'
2		6"	116.8	23.2	93.6	24.8	91	"	2.5'
3		6"	114.5	22.0	92.5	23.8	90	"	2'
4		6"	115.9	23.8	92.1	25.8	90	"	1.5'
5		6"	113.1	19.4	93.7	20.7	91	"	1'
6		6"	116.5	24.1	92.3	26.1	90	"	0.5'
7		6"	116.3	23.2	93.1	24.9	91	B4716	2'
8		6"	117.1	24.8	92.3	26.9	90	"	1.5'
9		6"	117.3	23.1	94.2	24.1	91	"	1'
10		6"	114.8	21.4	93.4	22.9	91	"	0.5'
11		6"	115.9	24.2	91.9	26.2	90	"	0'
		Average							

Remarks: Moisture content is above 3% due to wet weather

Inspector: F. LOZA

Reviewed:

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. CPN MC3
1-6-11	29-141	HPS	Am-241 / Cs-137	Density Std. 24696 x 1.81
Inspector	Project Engineer	Other		Moisture Std
F LOZA	E BINNING			16592 x 1.83
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-05			14.9	H&E PACK
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%			ASTM D-1557	ASTM D-2922 ASTM D-3017

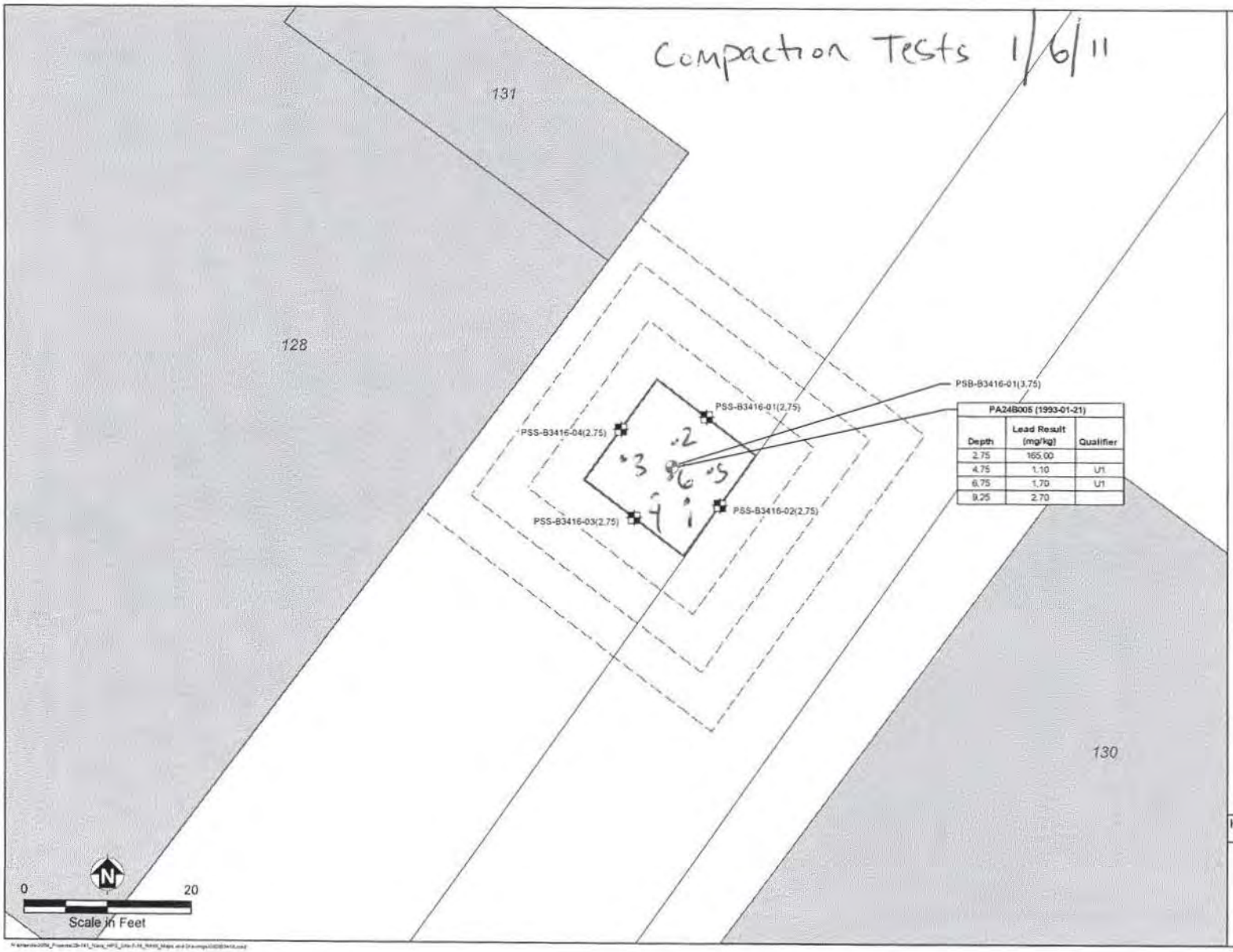
Gauge Readings

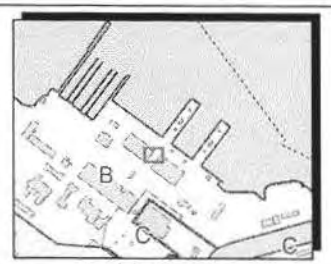
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
12		6"	114.9	22.0	92.9	23.7	91	AV20	1.5
13		6"	114.5	21.4	93.1	23.0	90	"	1'
14		6"	114.6	22.6	92.4	23.9	90	"	0.5
		Average							

Remarks: _____

Inspector: F. LOZA

Reviewed: _____





Location Map

Legend

- Proposed Pre-Excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- Building
- Road

Notes:

PSB-B3416-01(4)

- Sampling Event Identifier
- Area Identifier
- Sample Collection Sequence Number (Depth of Sample)

mg/kg = milligrams per kilogram
U1 = Result is less than the method reporting limit

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

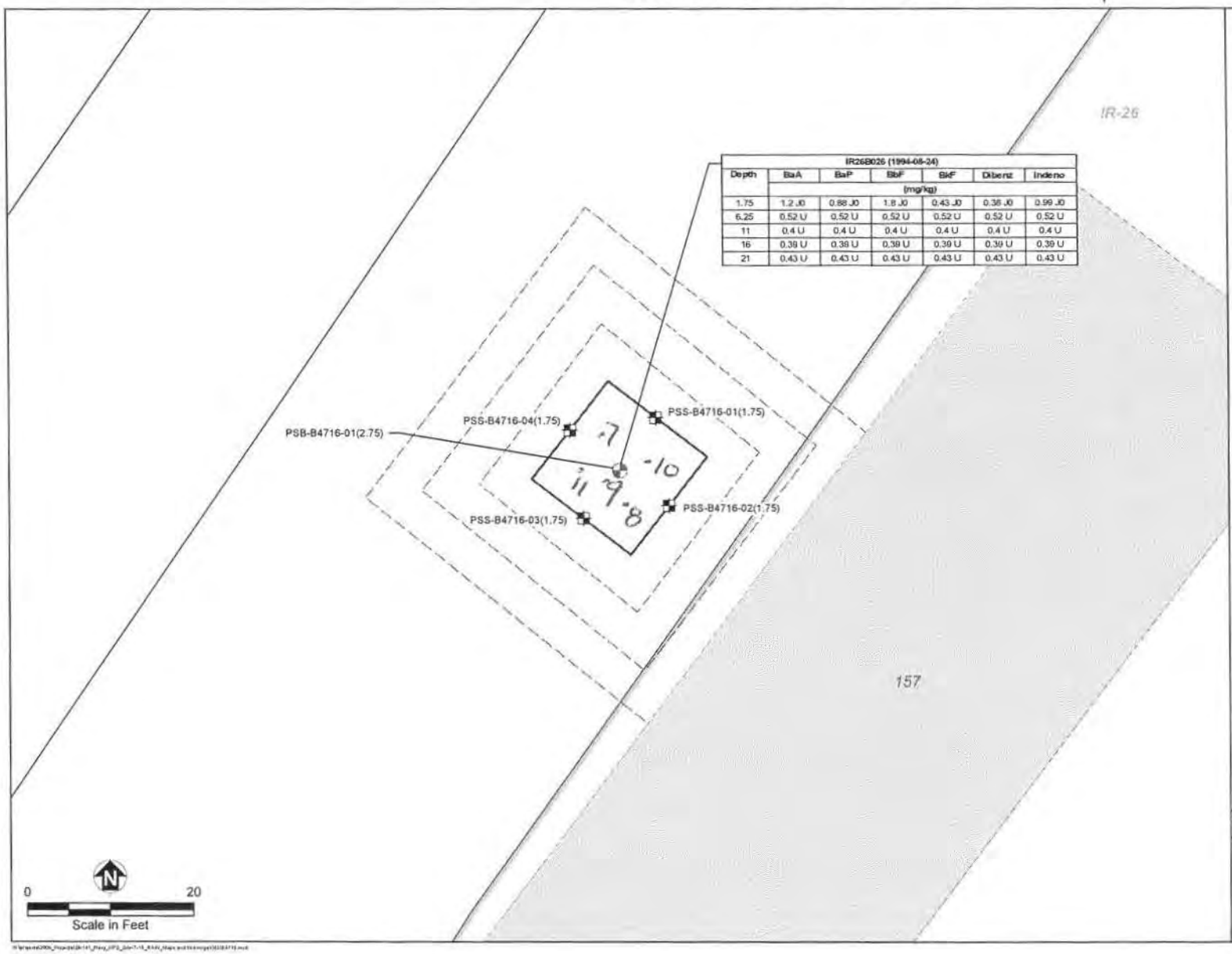
ERRG ENGINEERING/REMEDIATION RESOURCES GROUP, INC.

Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 4
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS
AREA B3416
Installation Restoration Sites 07 and 18 at Parcel B,
Soil Hot Spots at Parcels B, D-1 and G,
and Soil Stockpiles at Parcels D-1 and G

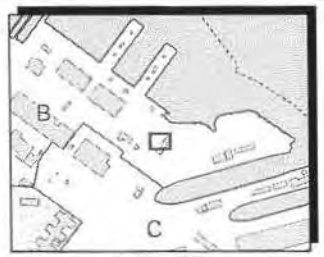
21-141-0106 2011
3 of 5

COMPACTION TESTS 1/6/11



IR26B026 (1994-08-24)

Depth	BaA	BaP	BbF	BkF	Dibenz	Indeno
	(mg/kg)					
1.75	1.2 J0	0.88 J0	1.8 J0	0.43 J0	0.38 J0	0.99 J0
6.25	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
11	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
16	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
21	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U



Location Map

Legend

- Proposed Pre-excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- IR Site Boundary
- Building
- Road

Notes:

PSB-B4716-01(4)

- Sampling Event Identifier
- Area Identifier
- Sample Collection Sequence Number (Depth of Sample)

BaA = Benzo(a)anthracene
BaP = Benzo(a)pyrene
BbF = Benzo(b)fluoranthene
BkF = Benzo(k)fluoranthene
Dibenz = dibenz(a,h)anthracene
Indeno = indeno(1,2,3-cd)pyrene
mg/kg = milligrams per kilogram
J0 = Reported value is an estimate
U = Result is less than the method reporting limit

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

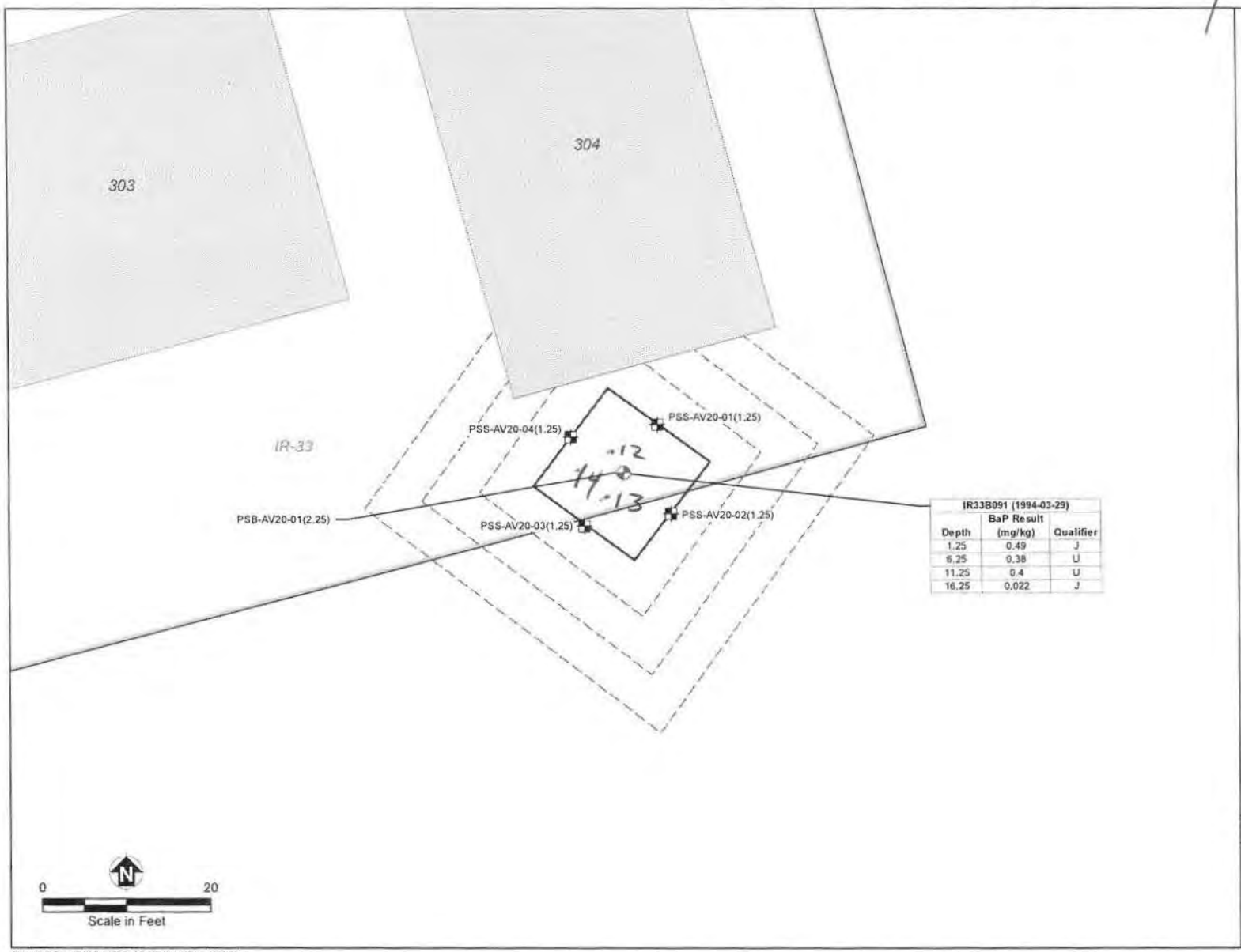
ERRG ENGINEERING/REMEDIATION RESOURCES GROUP, INC.

Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

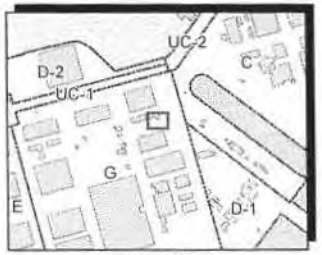
FIGURE 6
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS
AREA B4716
Installation Restoration Sites 07 and 18 at Parcel B,
Soil Hot Spots at Parcels B, D-1 and G,
and Soil Stockpiles at Parcels D-1 and G

24-141-0106201
4 of 5

COMPACTION TESTS 1/6/11



IR33B091 (1994-03-29)		
Depth	BaP Result (mg/kg)	Qualifier
1.25	0.49	J
6.25	0.38	U
11.25	0.4	U
16.25	0.022	J



Location Map

Legend

- Proposed Pre-Excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- IR Site Boundary
- Building

Notes:

PSB-AV20-01(4)

- Sampling Event Identifier
- Area Identifier
- Sample Collection Sequence Number (Depth of Sample)

BaP = Benzo(a)pyrene
mg/kg = milligrams per kilogram
J = Reported value is an estimate
U = Result is less than method reporting limit

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

ERRG ENGINEERING/REMEDIATION RESOURCES GROUP, INC.

Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 13
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS
AV20 AREA
Installation Restoration Sites 07 and 18 at Parcel B,
Soil Hot Spots at Parcels B, D-1 and G,
and Soil Stockpiles at Parcels D-1 and G

2-9-141-0106211
5 of 5

Photo 1: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Backfilling and compacting B3416 in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 6, 2011

Photo 2: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Compaction testing in B3416 in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 6, 2011

Photo 3: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Backfill and compaction of B3416 in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Richard Epp (ERRG, Inc.) Date: January 6, 2011

Photo 3: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Backfill and compaction of AV20 in Parcel G.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Richard Epp (ERRG, Inc.) Date: January 6, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 07/JAN/11	REPORT NO: 107
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: James Nores	
AM WEATHER: Overcast, cold	PM WEATHER: Overcast, cold	MAX TEMP (F): 45	MIN TEMP (F): 39

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
09	Started and completed backfill and compaction in AT22, BG31, BJ31, and	ERRG	1	Superintendent	2
	BJ30.	ERRG	1	Construction Manager	0
		ERRG	1	Project Manager	0
		ERRG	1	QC Manager	8
		ERRG	1	H&S Officer	8
		ERRG	1	QC Staff	0
		ERRG	1	Equipment Operator	8
		ERRG	2	Truck Drivers	16
		ERRG	1	Laborer	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	50
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	14017
TOTAL WORK HOURS FROM START OF CONSTRUCTION	14067

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
09	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	ERRG	5cy dump truck	8
	ERRG	F-350 flatbed	8
	ERRG	JD 310 Backhoe	8
	ERRG	25KW Generator	8
	ERRG	5cy dump	8

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

1/7/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 1/7/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07, PARCEL B, HOTSPOTS

TYPE OF WORK BACKFILLING HOTSPOTS COVER STOCKPILE OF SAND NEAR EXCAVATION, STAGE BOULDER BUCKET HOE RAM NEAR TRAILER

SAFETY TOPICS PRESENTED

SAFETY TOPICS STVF, MUD

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS EQUIPMENT, MUD

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Rafael Loza	ERRG	Rafael Loza
~~Jack Thomas~~	~~ERRG~~	
Roberto Aguilera	ERRG	
Fernando Loza	ERRG	
Liz Binning	ERRG	

Health & Safety Officer DICK OPP **SUPERINTENDENT** JAMES THOMAS

SIGNATURE **SIGNATURE**

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: FRIDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 1/7/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE - S,T+F, MUD

BACKFILLING HOTSPOTS, INSTALLING A CAP OF BASE ROCK ON SURFACE.

HAULING EXCESS FILL FROM HOTSPOTS TO IR-07.

COVERING STAGED FILL @ B.3426 INSTALLED RUNOFF PROTECTION.

EQUIPMENT IN USE: BACKHOE, DUMP TRUCK

Signed: RJ Epp Date: 1/7/11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: BACKHOE **Identification Number:** VTG DG4

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☐ **ERRG** ☒

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	RA backhoe 11/3/11			RA 11/4/11			CA 11/5/11			RA 11/6/11			RA 11/7/11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Defect(s):
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☒	☐	☐	☒	☐	N.I work
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Dump Truck **Identification Number:** 15305-1

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☐ **ERRG** ☑

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	1-4-11 RL			1-5-11 RL												
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Defect(s):
Tires and rims	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	Left mirror broke
Windows and mirrors unbroken?	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Dump truck **Identification Number:** CA 153951

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☐ **ERRG** ☑

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	1-3-11 RL			1-4-11 FL			1-5-11 FL						1-7-11 FL			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Defect(s):
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☒	☐	☑	☐	☒	☐	☒	☐	☐	☐	☐	☐	☑	☐	
Gauges operative?	☑	☒	☐	☑	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Windshield wipers operative?	☒	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	

Explain corrective actions taken: FUEL GAUGE NOT WORKING, SMALL CRACK ON WINDSHIELD
TURN SIGNALS NOT WORKING

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 07/JAN/11

REPORT NO 107

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Verified that activities performed conformed to the cover installation checklist.
09	Started and completed backfill and compaction of hotspots AT22, BG31, BJ30, and BJ31. Performed compaction testing and all lifts were above
	90% compaction; however, the moisture was very high due to the wet conditions.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

01/07/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 01/07/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**				
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**				
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 01/07/2011

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

Report No.: 29-141-01072011
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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. CPN MC3
1-7-11	29-141	HPS	Am-241 / Cs-137	Density Std. 24899 x 1.88
Inspector: F. LOZA	Project Engineer: E. BINNING	Other		Moisture Std 16722 x 1.04
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-05	102.5		14.9	BACK HOE
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%			ASTM D-1557	ASTM D-2922 ASTM D-3017

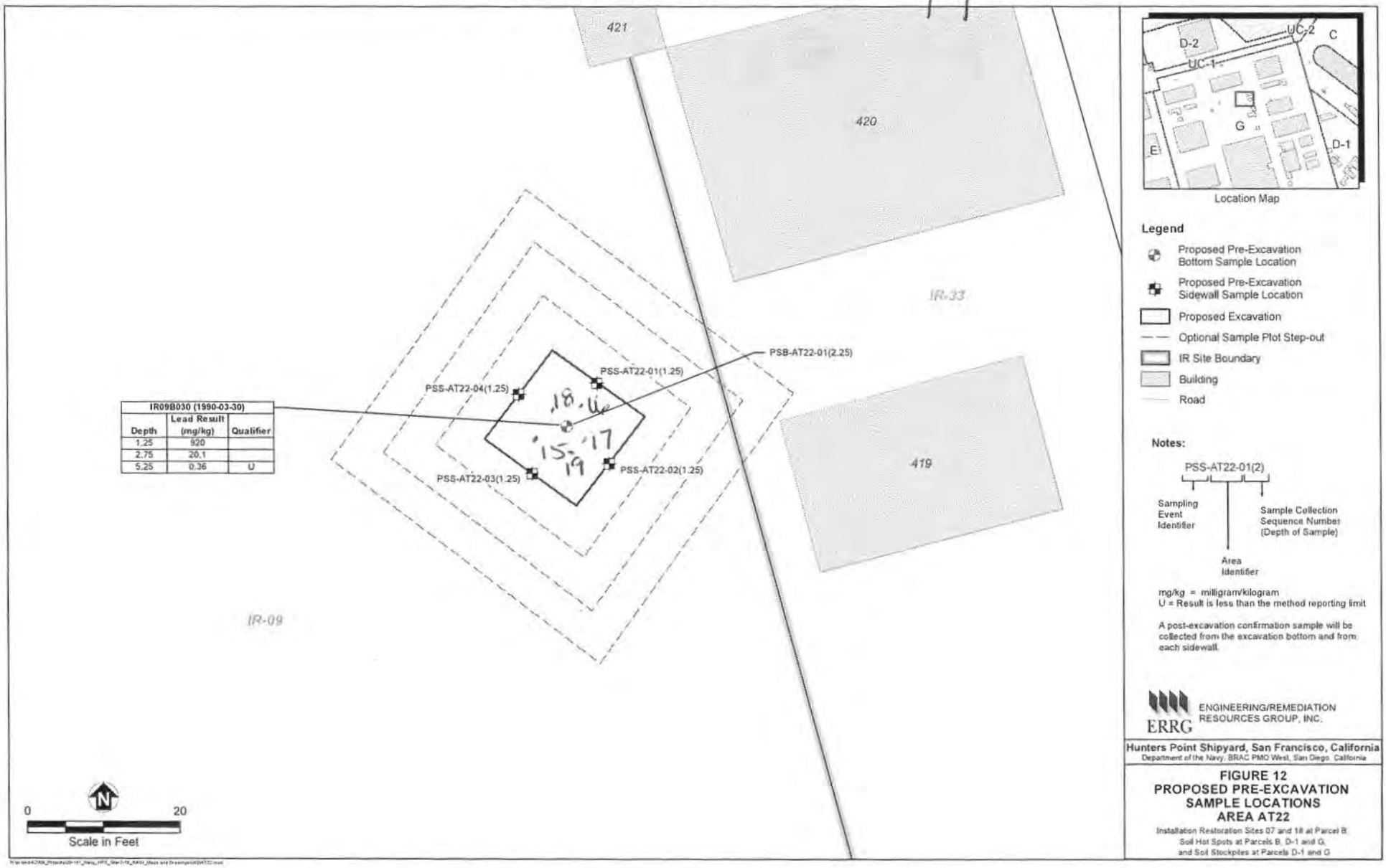
		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
15		6"	116.8	22.5	94.3	23.9	92	AT22	-1.5
16		6"	117.2	24.1	93.1	26.8	90	"	-1
17	*	6"	114.2	23.0	91.2	25.2	89	"	-0.5'
18	17R	6"	115.8	23.3	92.5	25.2	90	"	-0.5'
19		6"	116.7	24.8	91.9	27.0	90	"	-0'
20		6"	116.6	22.2	94.4	23.5	92	BJ31	-0.5'
21		6"	116.0	19.3	96.6	20.0	94	"	-0'
22		6"	114.4	20.5	93.9	22.6	91	BG31	-0.5'
23		6"	115.3	21.3	94.0	23.2	91	"	-0'
24		6"	117.0	23.8	93.2	25.5	91	BJ30	-0.5'
25		6"	115.1	19.8	95.3	20.8	93	"	-0'
		Average							

Remarks: Test 17 failed. Recompacted area retested (see test 18). Moisture content is above 3% due to wet weather.

Inspector: F. LOZA

Reviewed:

COMPACTION TESTS 1/7/11



Location Map

Legend

- Proposed Pre-Excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- IR Site Boundary
- Building
- Road

Notes:

PSS-AT22-01(2)

- Sampling Event Identifier
- Area Identifier
- Sample Collection Sequence Number (Depth of Sample)

mg/kg = milligram/kilogram
U = Result is less than the method reporting limit

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

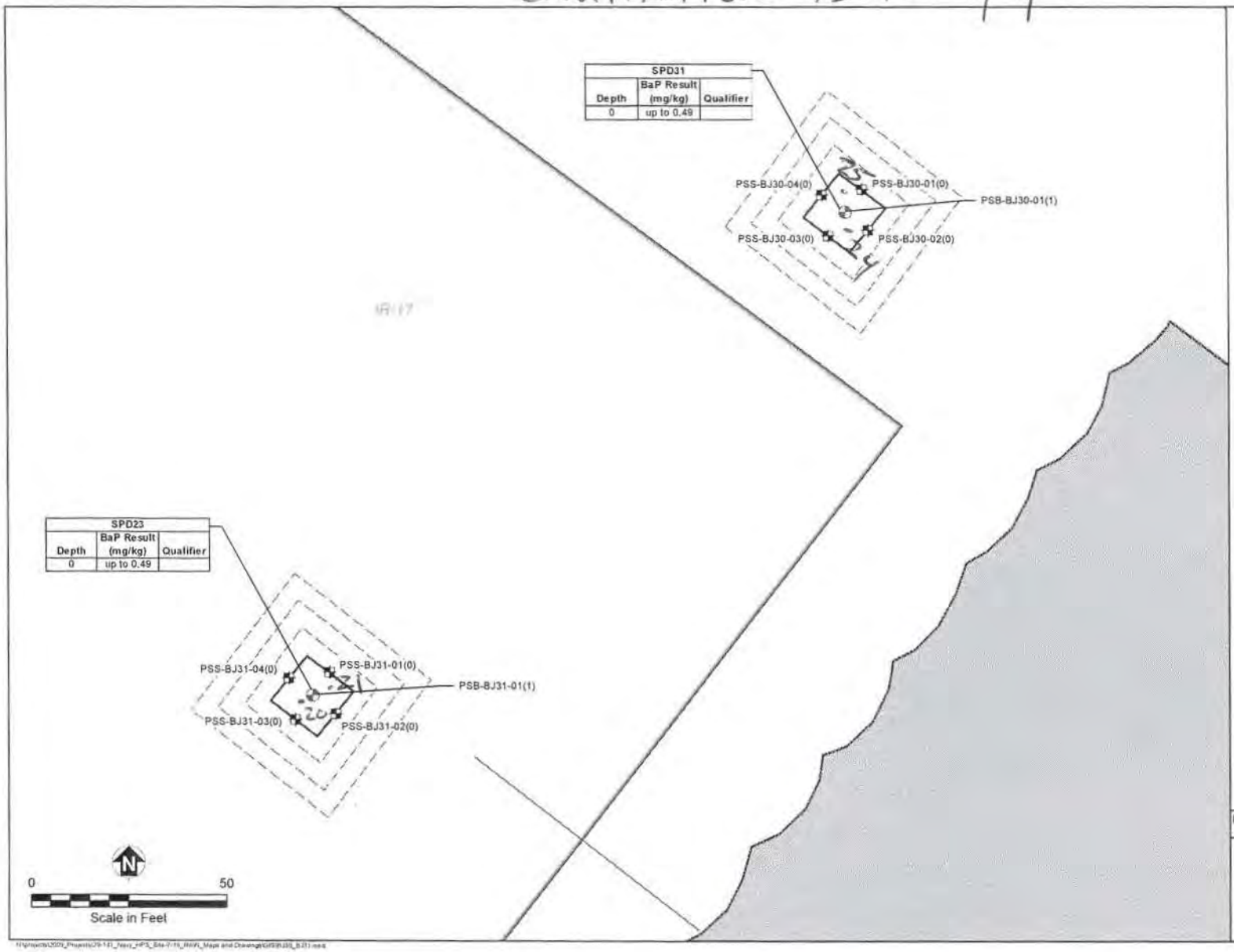
ERRG ENGINEERING/REMEDIATION RESOURCES GROUP, INC.

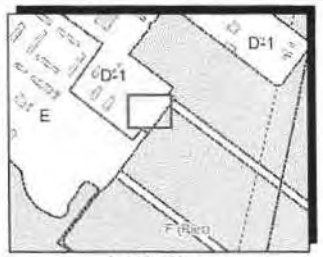
Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 12
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS
AREA AT22
Installation Restoration Sites 07 and 18 at Parcel B
Soil Hot Spots at Parcels B, D-1 and G,
and Soil Stockpiles at Parcels D-1 and G

29-141-01072011
2 of 4

COMPACTION TESTS 1/7/11





Location Map

Legend

- Proposed Pre-Excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- IR Site Boundary
- Building
- Storm Drain Line

Notes:

PSS-BJ30-01(2)

- Sampling Event Identifier
- Area Identifier
- Sample Collection Sequence Number (Depth of Sample)

BaP = Benzo(a)pyrene
mg/kg = milligram/kilogram

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

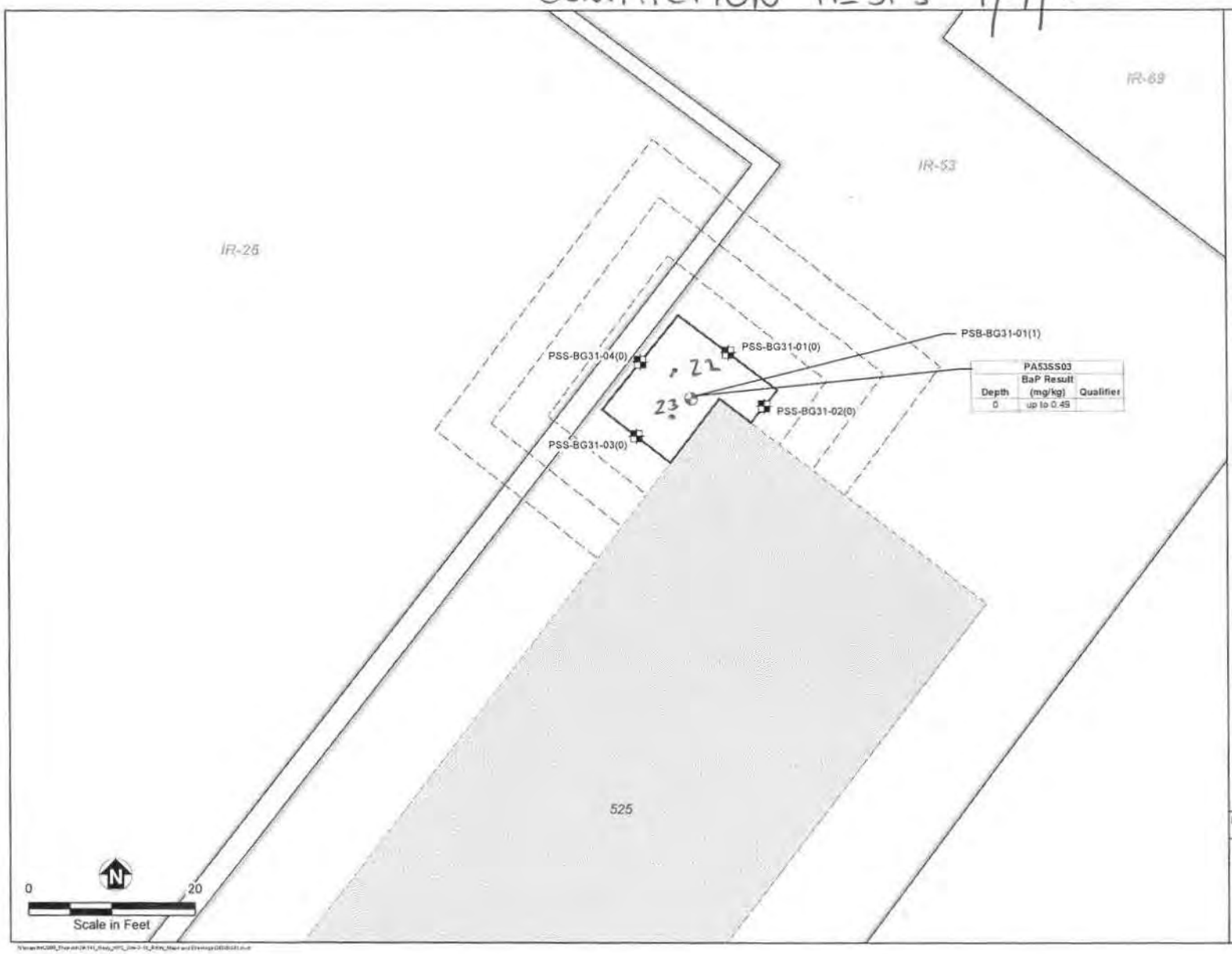
ENGINEERING/REMEDIATION RESOURCES GROUP, INC.
ERRG

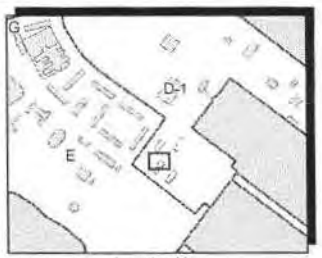
Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 11
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS AREAS BJ30 AND BJ31
Installation Restoration Sites 07 and 18 at Parcel B
Soil Hot Spots at Parcels B, D-1 and G,
and Soil Stockpiles at Parcels D-1 and G

29-141-D10724
3 of 4

COMPACTION TESTS 1/7/11





Location Map

Legend

- Proposed Pre-Excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- IR Site Boundary
- Building

Notes:

PSS-BG31-01(5)

- Sampling Event Identifier
- Sample Collection Sequence Number (Depth of Sample)
- Area Identifier

BaP = Benzo(a)pyrene
mg/kg = milligram/kilogram

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

ERRG ENGINEERING/REMEDIATION RESOURCES GROUP, INC.

Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 10
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS
AREA BG31
Installation Restoration Sites 07 and 18 at Parcel B;
Soil Hot Spots at Parcels B, D-1 and G;
and Soil Stockpiles at Parcels D-1 and G

24-141-0107211
4 of 4

Photo 1: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Completed backfill and compaction, including installation of AB in B3416 in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 7, 2011

Photo 2: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Completed backfill and compaction, including installation of AB in AV20 in Parcel G.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 7, 2011

Photo 3: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Completed backfill and compaction in B4716 in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Richard Epp (ERRG, Inc.) Date: January 7, 2011

Photo 4: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Backfill and compaction of BG31 in Parcel D-1.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Richard Epp (ERRG, Inc.) Date: January 7, 2011

Photo 5: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Backfill and compaction of AT22 in Parcel G.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Richard Epp (ERRG, Inc.) Date: January 7, 2011

Photo 6: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Backfill and compaction of BJ31 in Parcel D-1.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Richard Epp (ERRG, Inc.) Date: January 7, 2011

Photo 7: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Installation of storm water controls around backfill stockpile at B3426 in Parcel B. Backfill operations pending analytical results on step out confirmation samples.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Richard Epp (ERRG, Inc.) Date: January 7, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 27/JAN/11	REPORT NO: 108
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: James Nores	
AM WEATHER: Clear, cool	PM WEATHER: Clear, cool	MAX TEMP (F): 59	MIN TEMP (F): 50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
03	Removed the silt curtain from the bay and hauled to the rad screening building	ERRG	1	Superintendent	2
	for exit scanning prior to disposal.	ERRG	1	Construction Manager	0
		ERRG	1	Project Manager	0
		ERRG	1	QC Manager	8
		ERRG	1	H&S Officer	8
		ERRG	0	QC Staff	0
		ERRG	1	Equipment Operator	8
		ERRG	0	Truck Drivers	0
		ERRG	4	Laborer	32

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	58
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	14067
TOTAL WORK HOURS FROM START OF CONSTRUCTION	14125

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
09	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	ERRG	5cy dump truck	0
	ERRG	F-350 flatbed	0
	ERRG	JD 310 Backhoe	8
	ERRG	25KW Generator	8
	ERRG	5cy dump	0

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

1/27/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: HPS CONTRACT #

DATE 1/27/11 TIME 0800 PROJECT NUMBER 29-141

CLIENT US NAVY

SPECIFIC LOCATION IR07 PARCEL B

TYPE OF WORK PULL SILT CURTAIN

SAFETY TOPICS PRESENTED

SAFETY TOPICS ROCKS, STAFF, WATER HAZARDS

PROTECTIVE CLOTHING/EQUIPMENT LEVEL D

ISSUED LPO CARDS: _____ Yes _____ No

CHEMICAL HAZARDS

PHYSICAL HAZARDS ROCKS, EQUIPMENT

EMERGENCY PROCEDURES

HOSPITAL/CLINIC PHONE PARAMEDIC PHONE

HOSPITAL ADDRESS

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Ken Mank	ERRG	
Saul Rodriguez	ERRG	
Vicente Valencia	ERRG	
Guadalupe Trujillo	ERRG	
Oscar Ortiz	ERRG	
Liz Binning	ERRG	

Health & Safety Officer DICK ORR

SIGNATURE

SUPERINTENDENT

SIGNATURE

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 1/27/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0800 SAFETY TAILGATE - ROCKS, SLIPPERY ROCKS @ WATER LINE, STEP

REMOVING SILT CURTAIN FROM BAKER BEACH AREA, SEPARATING TO DRY.

EQUIPMENT: BACKHOE

Signed: Richard J. Epp Date: 1/27/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 27/JAN/11

REPORT NO 108

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
03	Removed the silt curtain from the bay and started dismantling it prior to staging in the rad screening building.
06	Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

01/27/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 01/27/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**				
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**				
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 01/27/2011

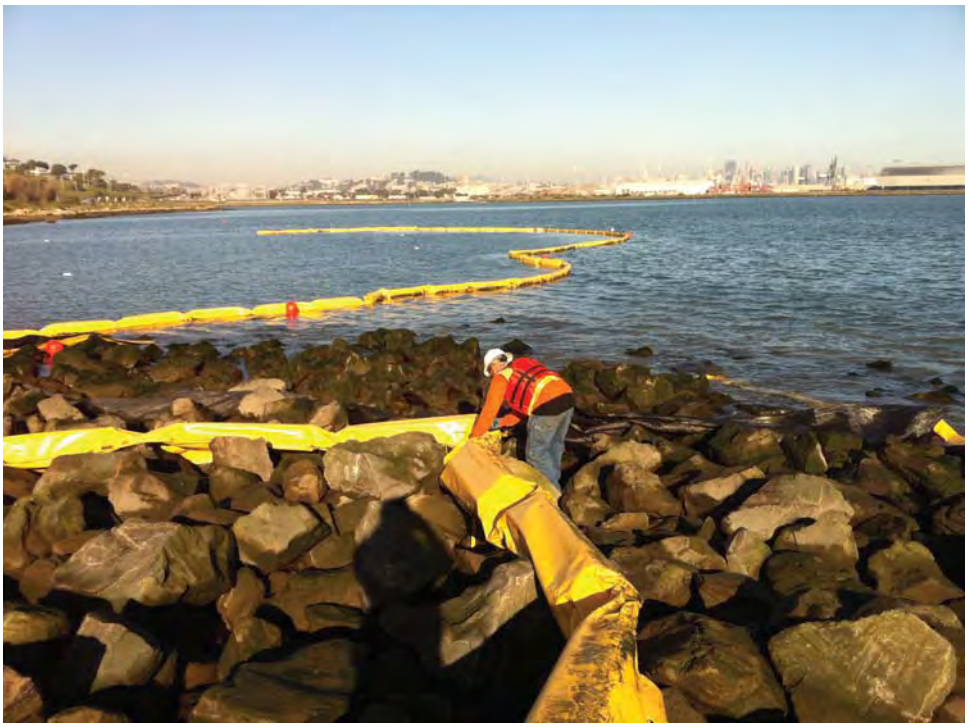


Photo 1: Shoreline Excavation and Revetment – Removal of the silt curtain.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 27, 2011

Photo 2: Shoreline Excavation and Revetment – Removal of the silt curtain.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 27, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 28/JAN/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	109

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	James Nores

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Overcast, cool	Overcast, cool	53	46

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
03	Continued removal of the silt curtain from the bay and hauled to the rad	ERRG	1	Superintendent	2
	screening building for exit scanning prior to disposal.	ERRG	1	Construction Manager	0
09	Started and completed backfill and compaction of B3426.	ERRG	1	Project Manager	0
		ERRG	1	QC Manager	8
		ERRG	1	H&S Officer	8
		ERRG	0	QC Staff	0
		ERRG	1	Equipment Operator	8
		ERRG	0	Truck Drivers	0
		ERRG	2	Laborer	16

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	42
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	14125
TOTAL WORK HOURS FROM START OF CONSTRUCTION	14167

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
09	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	ERRG	5cy dump truck	0
	ERRG	F-350 flatbed	0
	ERRG	JD 310 Backhoe	8
	ERRG	25KW Generator	8
	ERRG	5cy dump	0

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

1/28/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 1/28/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07, Parcel B, B263

TYPE OF WORK REMOVING SILT CURTAIN COMPONENTS TO BE SCANNED.
BACKFILL HOT SPOT EXCAVATIONS B3426

SAFETY TOPICS PRESENTED

SAFETY TOPICS LIFTING, STIF

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS UNOVEN SURFACES, LIFTING

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Paul Rodriguez	ERRG	[signature]
Guadalupe Parrillo	ERRG	Parrillo
OSCAR OROZCO	ERRG	[signature]
Liz Binning	ERRG	[signature]

Health & Safety Officer DICK EPP

SIGNATURE [signature]

SUPERINTENDENT JAMES NORES

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: FRIDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: OVERCAST
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 1/28/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE - UNEVEN SURFACES, ST+F

HAULING SILT FENCE COMPONENTS TO B261 FOR SCANNING, CLEANING SURFACES.

BACKFILLED & COMPACTED HOTSPOT B3426

EQUIPMENT IN USE: BACKHOE

Signed: RE Epp Date: 1/28/11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: BACKHOE **Identification Number:** UT6 D64

Project Number / Name: HPS **Rental** ☐ **ERRG** ☒

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	LD THU 1-27-11			DC FRI 1-28-11												Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	NO WORKING LIGHTS, HORN WORKS
Steering and other controls	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 28/JAN/11

REPORT NO 109

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
03	Continued dismantling the silt curtain and finished staging it in the rad screening building for the radiological exit survey.
06	Verified that activities performed conformed to the cover installation checklist.
09	Started and completed backfill and compaction of hotspots B3426. Performed compaction testing and all lifts were above 90% compaction and
	within the specified moisture range.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

01/28/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 01/28/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**				
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**				
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 01/28/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

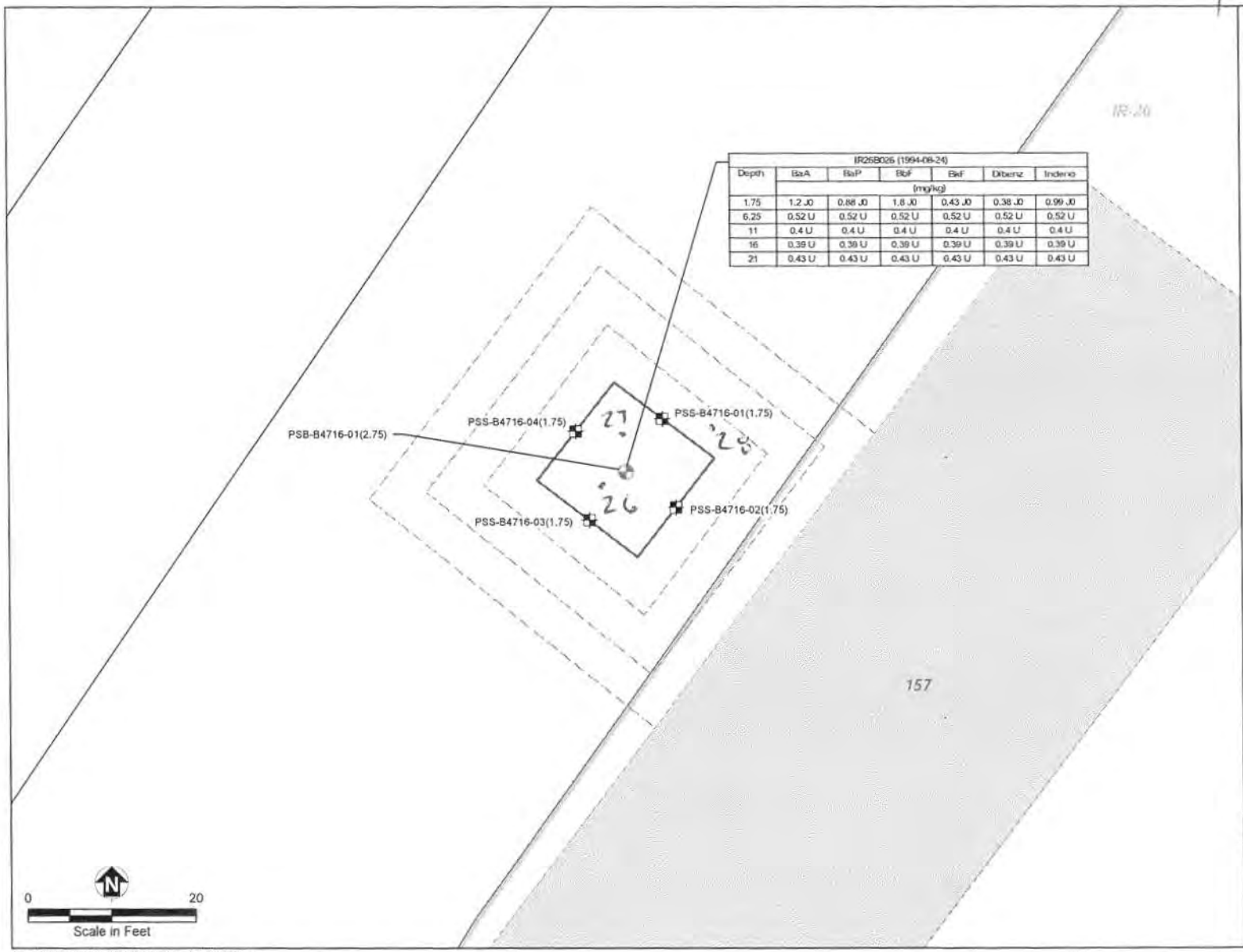
				Gauge No. MC3
Date/Time 1/28/11	Job No. 29-141	Project/Location	Source Material Am-241 / Cs-137	Density Std. 25531
Inspector E. Binning	Project Engineer E. Binning	Other		Moisture Std 17360
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-05			14.9	Backhoe bucket
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
26		6"	109.8	15.5	94.3	16.4	92	B3426	-1'
27		6"	105.0	11.6	93.5	12.4	91	"	-0.5'
28		6"	103.5	11.2	92.4	12.1	90	"	0'
		Average							

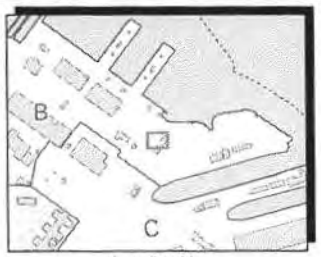
Remarks: _____

Inspector: _____ Reviewed: _____

COMPACTION TESTS 1/28/11



IR26B026 (1994-08-24)						
Depth	BaA	BaP	BbF	BkF	Dibenz	Indeno
	(mg/kg)					
1.75	1.2 J0	0.88 J0	1.8 J0	0.43 J0	0.38 J0	0.99 J0
6.25	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
11	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
16	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
21	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U



Location Map

Legend

- Proposed Pre-excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- IR Site Boundary
- Building
- Road

Notes:

PSB-B4716-01(4)

- Sampling Event Identifier
- Area Identifier
- Sample Collection Sequence Number (Depth of Sample)

BaA = Benzo(a)anthracene
BaP = Benzo(a)pyrene
BbF = Benzo(b)fluoranthene
BkF = Benzo(k)fluoranthene
Dibenz = dibenz(a,h)anthracene
Indeno = indeno(1,2,3-cd)pyrene
mg/kg = milligrams per kilogram
J0 = Reported value is an estimate
U = Result is less than the method reporting limit

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

ERRG ENGINEERING/REMEDIATION RESOURCES GROUP, INC.

Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 6
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS
AREA B4716

Installation Restoration Sites 07 and 18 at Parcel B;
Soil Hot Spots at Parcels B, D-1 and G;
and Soil Stockpiles at Parcels D-1 and G

29-141-0128 2011 2 of 2

Photo 1: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Backfill and compaction of B3426 in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 28, 2011

Photo 2: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Completed backfill and compaction in B3426 in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: January 28, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 24/FEB/11	REPORT NO: 110
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: James Nores	
AM WEATHER: Cloudy, cool	PM WEATHER: Cloudy, light rain, cool	MAX TEMP (F): 52	MIN TEMP (F): 47

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
03	Hauled radiologically screened silt curtain from the rad scanning building to	ERRG	1	Superintendent	2
	the laydown area for disposal.	ERRG	1	Construction Manager	0
10	Started and completed overexcavation of the hotspot under soil stockpile	ERRG	1	Project Manager	0
	SPD14. Stockpiled excavated hotspot material on plastic an covered with	ERRG	1	QC Manager	8
	plastic.	ERRG	1	H&S Officer	2
		ERRG	0	QC Staff	0
		ERRG	1	Equipment Operator	8
		ERRG	0	Truck Drivers	0
		ERRG	1	Laborer	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	28
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	14167
TOTAL WORK HOURS FROM START OF CONSTRUCTION	14195

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
09	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	ERRG	5cy dump truck	0
	ERRG	F-350 flatbed	8
	ERRG	JD 310 Backhoe	8
	ERRG	25KW Generator	8
	ERRG	5cy dump	0

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

2/24/11 — DATE

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 24/FEB/11

REPORT NO 110

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
03	Removed radiological exit surveyed silt curtain from the rad screening building. Hauled dismantled silt curtain to the laydown area for offsite
	disposal.
06	Verified that activities performed conformed to the cover installation checklist.
09	Started and completed excavation of hotspot under SPD14 to 1' bgs. Stockpiled excavated soils near bay for profiling and disposal.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

02/24/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 02/24/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**				
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**				
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**				
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 02/24/2011

Photo 1: Soil Stockpile Removal at Parcels D-1 and G – Excavation of hotspot beneath soil stockpile SPD14 in Parcel G.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: February 24, 2011

Photo 2: Soil Stockpile Removal at Parcels D-1 and G – Stockpiling of excavation material from beneath soil stockpile SPD14 in Parcel G..

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: February 24, 2011

Photo 3: Soil Stockpile Removal at Parcels D-1 and G – Completed overexcavation of hotspot beneath soil stockpile SPD14 in Parcel G.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: February 24, 2011

Photo 4: Radiological Screening and Remediation – Removal of rad cleared shoreline excavation spoils stockpiles from laydown area by ITSI for disposal.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: February 24, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 18/APR/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 111

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: Tyson Appel

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy,cool	Cloudy,cool	62	58

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. One barge today.	ERRG	1	Construction Manager/Superintendent	8
	Using belly dumps to haul fill to IR-07 / IR-18.	ERRG	1	Project Manager	7
	Place material on the cap in the initial 1 foot cover areas, spread and compact.	ERRG	1	QC Manager	8
		ERRG	1	H&S Manager	8
		ERRG	1	QC Staff	4
		ERRG	2	Truck Drivers	16
		ERRG	3	Equipment Operators	24
		ERRG	1	Laborer	8
		Eighteen Trucking	5	Truck Driver	24
		Jerico	4	Marine Sub	40
		RC Camese	1	Truck Driver	4

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	159
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	14195
TOTAL WORK HOURS FROM START OF CONSTRUCTION	14354

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Select Fill (85 loads)

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	4K water truck - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	815 Compactor	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	980 Loader	8
	Harris Blade	2K water truck - 1 ea	8

Schedule Activity No.	REMARKS

Tyson Appel — CONTRACTOR/SUPERINTENDENT

4/18/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 18/APR/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 111 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: Tyson Appel

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy,cool	Cloudy,cool	62	58

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
		ERRG	1	Grade Checker	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8

Schedule Activity No.	REMARKS

Tyson Appel — CONTRACTOR/SUPERINTENDENT

4/18/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point **CONTRACT #**

DATE 4/18/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Navy

SPECIFIC LOCATION IR07 / IR18

TYPE OF WORK Soil cover

SAFETY TOPICS PRESENTED

SAFETY TOPICS heavy equipment operation

PROTECTIVE CLOTHING/EQUIPMENT level D

ISSUED LPO CARDS: ____ Yes X No

CHEMICAL HAZARDS NA for COCs; fuels

PHYSICAL HAZARDS slips, trips, falls, heavy equipment operations, dust

EMERGENCY PROCEDURES 9-1-1

HOSPITAL/CLINIC SF General **PHONE** 9-1-1 **PARAMEDIC PHONE**

HOSPITAL ADDRESS Portero & 22nd

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Larry Johnson	ERRG	Larry Johnson
Larry Stack	ERRG	[illegible]
Kai Mark	ERRG	[illegible]
Guadalupe Trujillo	ERRG	Trujillo
Vicente Valencia	ERRG	[illegible]
Lilianne Kelei	ERRG	[illegible]
DAVID HASAL	ERRG	David Hasal
Liz Binning	ERRG	[illegible]
William Schmidt	ERRG	[illegible]
Tyson April	ERRG	[illegible]
JOHN SOURIAL	ERRG	[illegible]

Health & Safety Officer [illegible]

SIGNATURE H Wollenburg

SUPERINTENDENT Ty April

SIGNATURE [illegible]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ hw Heather Wollenburg
Day: Monday
Client: Dept of the Navy
Date: 4/18/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: overcast, slight rain
Page: 1 of
Site Visitors: See Tailgate Sign In Log.

Description of Field Activities:

0700 tailgate safety meeting - moving sand from barge to 1R07/18)

0800 setup 3 dust meters (see air monitoring log & map)

0930 crew member Lupe Thujillo fell ~~out of~~ from loader ~~will~~ hw while exiting down steps; he is OK. Notified John Sourial (by Vicente Valencia) & H. Wollenburg. HW notified Caitlin Garman. CG notified Goose. HW notified Ed Goodman. See incident report.

1200 lunch

1430 Dozer blade punctured tire while pushing belly dump out of sand - see incident report #2

1545 crew demob & offsite, gates locked

Equipment in use: 2 Dozers, 2 water trucks, 1 loader, 4 belly dump trucks

Signed: [signature] Date: 4/18/11

~~Multi-Meter~~ + Sound Meter

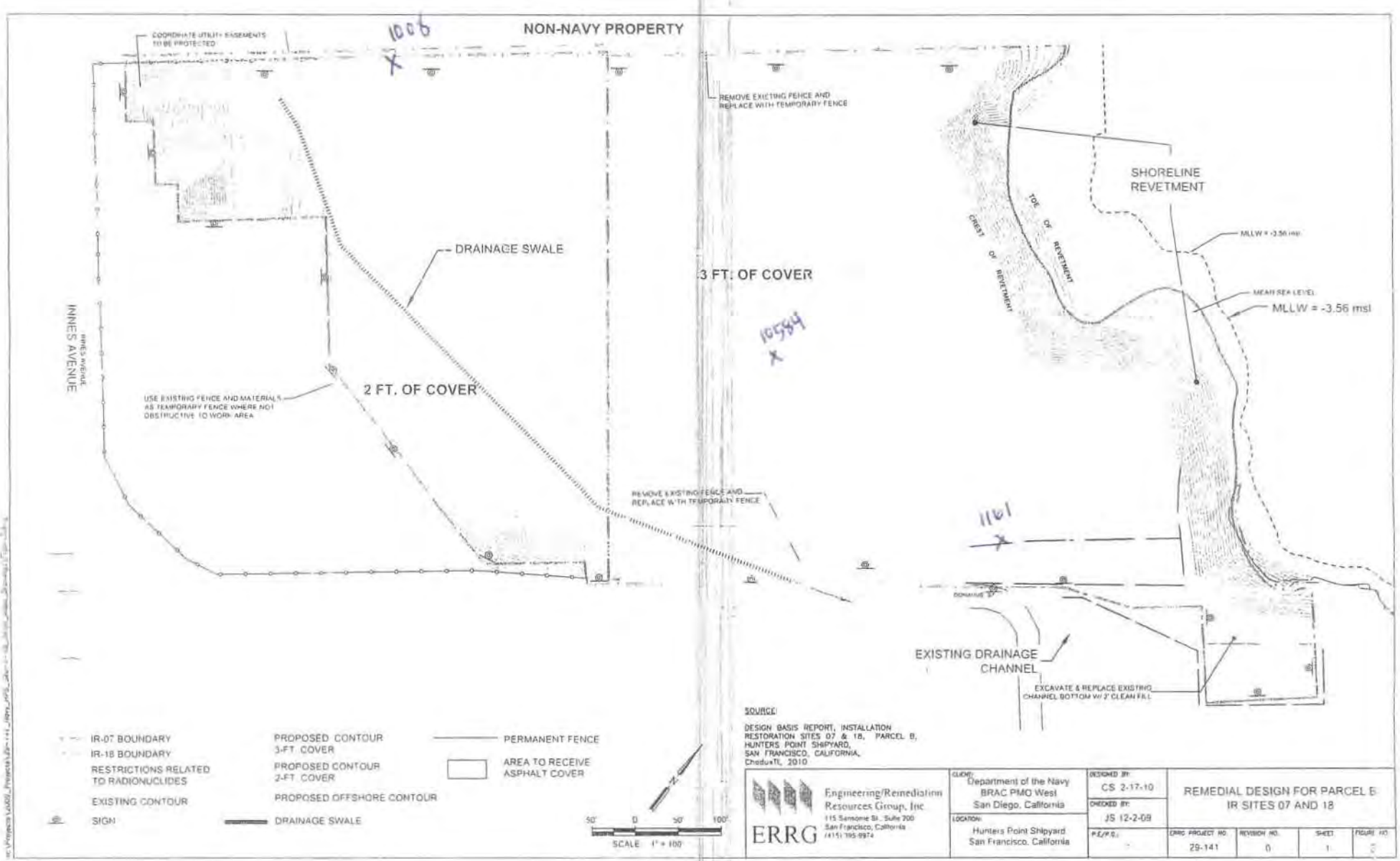
AIR Monitoring LOG SHEET

ERRG

Prepared by: H. Wollenburg
Project Name: Hunters Point
Site Location: IR07/18
Calibration (Date and Time): *10584 - 4/18/11 @ 0738 Background
*1161 - " " — high
1008 - 4/18/11 @ 0739 OK

Client: US Navy
Project No.: 201-141
Page: 1 of 1
Standard Used: zero bag

Location	Date	Time	Instrument conc ~~SLM~~	Instrument TWA ~~QRae~~	Comments
1008	4/18/11	0808	0.000	0.000	
10584*		0810	0.459	0.467	
1161*		0812	0.517	0.526	
1161*		0910	0.506	0.519	Rain, ~~Hail~~ hail
10584*		0911	0.442	0.452	Rain, ~~Hail~~ Hail
1008		0913	0.000	0.000	Rain, ~~Hail~~
1161*		1011	0.493	0.493	
10584*		1013	0.441	0.448	
1008		1016	0.000	0.000	
1008		1113	0.000	0.000	Rain
10598*		1114	0.448	0.446	Rain
1161*		1115	0.498	0.503	Rain
1161*		1241	0.491	0.501	
10584*		1243	0.458	0.449	
1008		1245	0.000	0.000	
1161*		1340	0.494	0.500	
10584*		1357	0.326	0.437	
1008		1359	0.000	0.000	
1161*		1512	0.526	0.500	rain
10584*		1514	0.312	0.416	rain
1008	↓	1516	0.000	0.000	rain


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1008
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
MEAN SEA LEVEL
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
10584
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
1161
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT. COVER
PROPOSED CONTOUR 2-FT. COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE 1" = 100'
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChaduxTL, 2010
ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-9974
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
P.E./P.G.:
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1
FIGURE NO. 2

4/18/11

Incident Report Form (IRF)

Type of Incident (Select at least one)

- ☐ Injury/Illness
- ☐ Environmental/Permit Issue
- ☐ Restricted Duty
- ☑ Property Damage
- ☐ Near Miss
- ☐ Lost Time
- ☐ Spill/Release
- ☐ Recordable
- ☐ Other

General Information (Complete for all incident types)

Preparer's Name: Heather Wollenburg
Date of Report: 4/18/11 Date of Incident: 4/18/11 Time of Incident: 14:00pm am/pm

Verbal Notification (Complete for all incident types)

ERRG PM/CM Notified: John Sourial / Tyson Appel Date 4/18/11 Time 14:00pm am/pm

Type of Activity (Provide activity being performed that resulted in the incident)

- ☐ Asbestos Work
- ☐ Confined Space Entry
- ☐ Construction Mgmt-Haz Waste
- ☐ Construction Mgmt – Non-Haz Waste
- ☐ Demolition
- ☐ Drilling Haz Waste
- ☐ Drilling-Non-Haz Waste
- ☐ Drum Handling
- ☐ Electrical Work
- ☐ Excavation Trench-Haz Waste
- ☐ Excavation Trench-Non Haz
- ☐ Facility Walk Through
- ☐ General Office Work
- ☐ Keyboard Work
- ☐ Laboratory
- ☐ Lead Abatement
- ☐ Motor Vehicle Operation
- ☐ Moving Heavy Object
- ☑ Other (Specify) Air sampling equipment operation
- ☐ Process Safety Management
- ☐ Tunneling
- ☐ Welding
- ☐ Wetlands Survey
- ☐ Working from Heights
- ☐ Working in Roadways
- ☐ WWTP Operation

Location of Incident (Select one)

- ☐ Company Premises: _____
- ☑ Field – Project/Site Name: Hunters Point Naval Shipyard Project No.: 29-141
  Location: IR07/18
- ☐ In Transit – Traveling from : _____ Traveling to: _____

Conditions: (Check all that apply)

Weather: Rain: [☐ Heavy ☑ Light] ☐ Snow ☐ Foggy ☐ Windy
Visibility: ☐ Sunny ☐ Cloudy ☐ Sunrise ☐ Sunset ☐ Night

Incident Investigation (Complete for all incident types)

Describe the Incident (Provide a brief description of the incident and how it occurred)

Belly dump truck became stuck and a dozer pushed it from behind to free it and punctured a tire with the blade.

Task Location: IR07 area

Job/Task Assignment: Installing soil cover

Specific Activity the employee was engaged in when the incident occurred:

Pushing belly dump with dozer to get it unstuck.

Activity was a Routine /Task: Yes ☑ No ☐

All equipment, materials, or chemicals the employee was using when the incident occurred:

Belly dump truck, dozer

Equipment Malfunction: Yes ☐ No ☑

Root Causes and Contributing Factors (**COMPLETE ROOT CAUSE ANALYSIS FORM**)

Bladewas frozen in-place and could not be moved. Equipment operator should have noted the problem during the morning equipment inspection. Then the issue should have been brought up to the Construction manager onsite prior to use so a new piece of equipment or repair could have been scheduled.

Describe how you may have prevented this incident? Operator should have done a complete equipment inspection, which would have noted the control deficiency and required it to be fixed.

Witnesses (Complete for all incident types):

Witness Information (First Witness)
Name: Will Lelei
Employee Number (ERRG): _____
Address: _____
City: _____
Zip Code: _____
Phone: 510-938-2937

Witness Information (Second Witness)
Name: _____
Employee Number (ERRG): _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Property Damage (Complete for Property Damage incidents only):

Property Damaged: Tire on belly dump Property Owner: RC Camese Transportation
Damage Description: tire puncture on truck
Estimated Amount: $ 500

Spill or Release (Complete for Environmental/Permit Issue incidents only):

Describe Environmental or Permit Issue: _____
Permit Type: _____
Permitted Level or Criteria (e.g., discharge limit): _____
Permit Name and Number (e.g., NPDES No. ST1234): _____
Substance and Estimated Quantity: _____
Duration of Permit Exceedence: _____

Injury information (Complete for Injury/Illness incidents only)

If ERRG Employee injured Male ☐ Female ☐ Multiple Injuries/Illnesses ☐ (Add in Additional Comments below))
Employee Name: _____ Employee Number: _____ DOB: ____/____/____
Social Security #: _____ Telephone Number: _____ Marital Status: _____
Address (Number, Street, City, State, Zip): _____
Date of Hire: ____/____/____ Occupation (Job Title): _____

If ERRG Subcontractor employee injured
Employee Name: _____ Company: _____
Subcontract Contract: _____ Phone number: _____

Injury Type

- ☐ Allergic Reaction
- ☐ Amputation
- ☐ Asphyxia
- ☐ Bruise / Contusion / Abrasion
- ☐ Burn (Chemical)
- ☐ Burn / Scald (Heat)
- ☐ Cancer
- ☐ Carpal Tunnel
- ☐ Concussion
- ☐ Cut / Laceration
- ☐ Dermatitis
- ☐ Dislocation
- ☐ Electric Shock
- ☐ Foreign Body in eye
- ☐ Fracture
- ☐ Freezing / Frost Bite
- ☐ Headache
- ☐ Hearing Loss
- ☐ Heat Exhaustion
- ☐ Hernia
- ☐ Infection
- ☐ Irritation to eye
- ☐ Ligament Damage
- ☐ Multiple (Specify)
- ☐ Muscle Spasms
- ☐ Other (Specify)
- ☐ Poisoning (Systemic)
- ☐ Puncture
- ☐ Radiation /Effects
- ☐ Strain / Sprain
- ☐ Tendonitis
- ☐ Wrist Pain

Part of Body Injured

- ☐ Abdomen
- ☐ Ankle(s)
- ☐ Arms (Multiple)
- ☐ Back
- ☐ Blood
- ☐ Body System
- ☐ Buttocks
- ☐ Chest / Ribs
- ☐ Ear(s)
- ☐ Elbow(s)
- ☐ Eye(s)
- ☐ Face
- ☐ Finger(s)
- ☐ Foot / Feet
- ☐ Hand(s)
- ☐ Head
- ☐ Hip(s)
- ☐ Kidney
- ☐ Knee(s)
- ☐ Legs(s)
- ☐ Liver
- ☐ Lower (arms)
- ☐ Lower (legs)
- ☐ Lung
- ☐ Mind
- ☐ Multiple (Specify)
- ☐ Neck
- ☐ Nervous System
- ☐ Nose
- ☐ Other (Specify)
- ☐ Reproductive System
- ☐ Shoulder(s)
- ☐ Throat
- ☐ Toe(s)
- ☐ Upper Arm(s)
- ☐ Wrist(s)

Nature of Injury

- ☐ Absorption
- ☐ Bite / Sting / Scratch
- ☐ Cardio-Vascular / Respiratory
- ☐ System Failure
- ☐ Caught in or Between
- ☐ Fall (From Elevation)
- ☐ Fall (Same Level)
- ☐ Ingestion
- ☐ Inhalation
- ☐ Lifting
- ☐ Mental Stress
- ☐ Motor Vehicle Accident
- ☐ Multiple (Specify)
- ☐ Slip or Trip
- ☐ Other (Specify)
- ☐ Overexertion
- ☐ Repeated Motion / Pressure
- ☐ Rubbed / Abraded
- ☐ Shock
- ☐ Struck Against
- ☐ Struck By
- ☐ Work Place Violence

Initial Diagnosis / Treatment Date: _____

Type of Treatment

- ☐ Admission to hospital / medical facility
- ☐ Application of bandages
- ☐ Cold / Heat Compression / Multiple Treatment
- ☐ Cold / Heat Compression / One Treatment
- ☐ First Degree Burn Treatment
- ☐ Heat Therapy / Multiple Treatment
- ☐ Multiple (Specify) _____
- ☐ Heat Therapy / One Treatment
- ☐ Non-Prescriptive medicine
- ☐ None
- ☐ Observation
- ☐ Other (Specify) _____
- ☐ Prescription – Multiple dose
- ☐ Prescription – Single dose
- ☐ Physical Therapy
- ☐ Removal of foreign bodies
- ☐ Skin Removal
- ☐ Soaking therapy – Multiple Treatment
- ☐ Soaking Therapy – One Treatment
- ☐ Stitched / Sutures
- ☐ Tetanus
- ☐ Treatment for infection
- ☐ Treatment of 2nd / 3rd degree burns
- ☐ Use of Antiseptic – multiple treatment
- ☐ Use of Antiseptic – single treatment
- ☐ Whirlpool bath therapy / multiple treatment
- ☐ Whirlpool therapy / single treatment
- ☐ X-rays negative
- ☐ X-rays positive / treatment of fracture

Number of days doctor required employee to be off work: _____
Number of days doctor restricted employee's work activity: _____

Physician Information

Name: _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Hospital Information

Name: _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Additional Comments:

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Reviewed By: _____ Date: _____

Approved By: Edward Grooman, H&S Manager Date: 4/19/11

Root Cause Analysis Form

Incident Title: Dozer Puncture Truck Tire **Project No.** 29-141

Location: Hunters Point Naval Shipyard, San Francisco, CA **Date:** 4/18/11

Root Cause Analysis (RCA)

Root Cause Categories (RCC): Select the RCC numbered below that applies for the root cause (RC) and/or contributing factor (CF) in the first column, then describe the specific root cause and corrective actions in each column. Indicate whether it is a root cause or causal factor by checking one of the boxes to the right of this information.

1. Lack of knowledge or training
2. Lack of, or inadequate, operational procedures or work standards (SOPs)
3. Inadequate communication of expectations regarding procedures or work standards
4. Inadequate tools or equipment
5. Equipment failure
6. Inadequate pre-planning of project
7. Management failure to actively oversee and control project work flow
8. Personnel failure to follow policies, procedures or operational standards
9. Uncontrollable factor (Fire, lightning, flood, animals, reptiles, etc.)

RCC #	Root Cause(s)	Corrective Actions	RC[1]	CF[2]	Due Date	Completion Date	Date Verified
8	Dozer operator did not perform a full inspection of his equipment	Employee was counselled on appropriate methods for inspecting heavy equipment	✓		4/18/11	4/18/11	4/19/11
6	Belly dump trucks are getting stuck in the soft sand that they are dumping	Replacing belly dump trucks with backend dump trucks to avoid getting truck stuck		✓	4/19/11	4/19/11	4/19/11

[1] RC = Root Cause; [2] CF = Contributing Factors (check which applies)

Investigation Team Members

Name	Job Title	Date
Heather Wollenburg	Site Safety Officer	4/19/11

Results of Solution Verification and Validation

Reviewed By

Name	Job Title	Date
Edward Grooman	Health and Safety Manager	4/19/11

Determination of Root Cause(s)

For minor losses or near misses the information may be gathered by the supervisor or other personnel immediately following the loss. Based on the complexity of the situation, this information may be all that is necessary to enable the investigation team to analyze the loss, to determine the root cause, and to develop recommendations. More complex situations may require the investigation team to revisit the loss site or re-interview key witnesses to obtain answers to questions that may arise during the investigation process.

Photographs or videotapes of the scene and damaged equipment should be taken from all sides and from various distances. This point is especially important when the investigation team will not be able to review the loss scene.

The investigation team must use the Root Cause Analysis Flow Chart to assist in identifying the root cause(s) of a loss. Any loss my have one or more "root causes" and "contributing factors". The "root cause" is the primary or immediate cause of the incident, while a "contributing factor" is a condition or event that contributes to the incident happening, but is not the primary cause of the incident. Root causes and contributing factors that relate to the *person* involved in the loss, his other peers, or the supervisor should be referred to as "personal factors". Causes that pertain to the *system* within which the loss or injury occurred should be referred to as "job factors".

Personal Factors

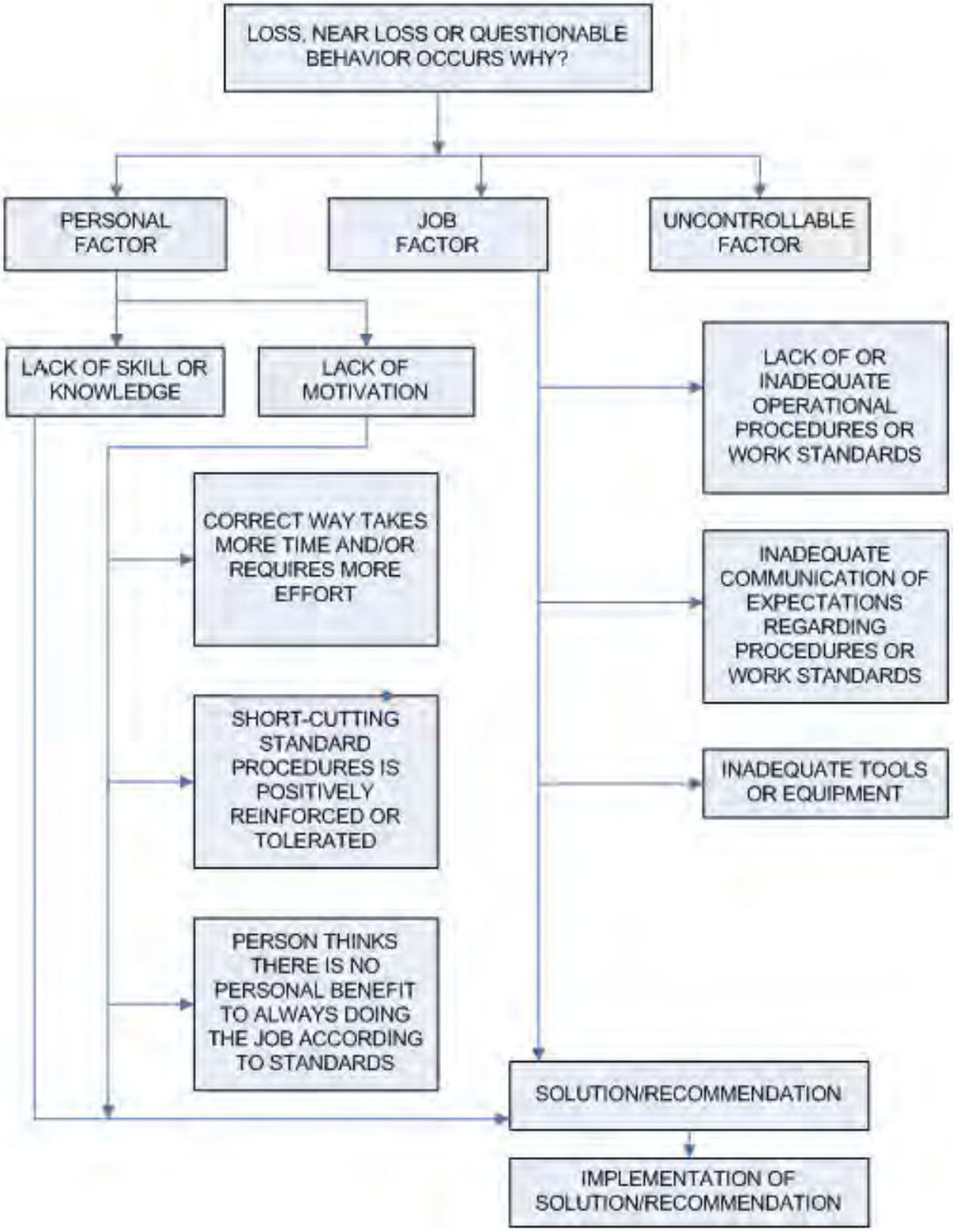
- Lack of skill of knowledge
- Correct way takes more time and/or requires more effort
- Short-cutting standard procedures is positively reinforced or tolerated
- Person thinks that there is no personal benefit to always doing the job according to standards

Job Factors

- Lack of or inadequate operational procedures or work standards
- Inadequate communication of expectations regarding procedures or standards
- Inadequate tools or equipment

The root cause(s) could be any one or combination of these seven possibilities or some other "uncontrollable factor". In the vast majority of losses, the root cause is very much related to one or more of these seven factors. Uncontrollable factors should be used rarely and only after a through review eliminates "all" seven other factors.

Root Cause Analysis
Flow Chart



ERRG

Incident Report Form (IRF)

Type of Incident (Select at least one)

- ☐ Injury/Illness
- ☐ Environmental/Permit Issue
- ☐ Restricted Duty
- ☐ Property Damage
- ☑ Near Miss
- ☐ Lost Time
- ☐ Spill/Release
- ☐ Recordable
- ☐ Other

General Information (Complete for all incident types)

Preparer's Name: Heather Wollenburg

Date of Report: 4/18/11 Date of Incident: 4/18/11 Time of Incident: 09:30am am/pm

Verbal Notification (Complete for all incident types)

ERRG PM/CM Notified: John Sourial / Tyson Appel Date 4/18/11 Time 09:30am am/pm

Type of Activity (Provide activity being performed that resulted in the incident)

- ☐ Asbestos Work
- ☐ Confined Space Entry
- ☐ Construction Mgmt-Haz Waste
- ☐ Construction Mgmt – Non-Haz Waste
- ☐ Demolition
- ☐ Drilling Haz Waste
- ☐ Drilling-Non-Haz Waste
- ☐ Drum Handling
- ☐ Electrical Work
- ☐ Excavation Trench-Haz Waste
- ☐ Excavation Trench-Non Haz
- ☐ Facility Walk Through
- ☐ General Office Work
- ☐ Keyboard Work
- ☐ Laboratory
- ☐ Lead Abatement
- ☑ Motor Vehicle Operation
- ☐ Moving Heavy Object
- ☐ Other (Specify) _____
- ☐ Process Safety Management
- ☐ Tunneling
- ☐ Welding
- ☐ Wetlands Survey
- ☐ Working from Heights
- ☐ Working in Roadways
- ☐ WWTP Operation

Location of Incident (Select one)

- ☐ Company Premises: _____
- ☑ Field – Project/Site Name: Hunters Point Naval Shipyard Project No.: 29-141
  Location: IR07/18
- ☐ In Transit – Traveling from : _____ Traveling to: _____

Conditions: (Check all that apply)

Weather: Rain: [☐ Heavy ☑ Light] ☐ Snow ☐ Foggy ☐ Windy

Visibility: ☐ Sunny ☐ Cloudy ☐ Sunrise ☐ Sunset ☐ Night

Incident Investigation (Complete for all incident types)

Describe the Incident (Provide a brief description of the incident and how it occurred)

Lupe Trujillo's shirt sleeve got caught on handle while stepping off the loader (the second step from the top). He stumbled and then fell backwards onto his back onto the sand.

He was immediately asked if he was "ok" and indicated he was not injured after the fall.

Task Location: Offload area at Dry Dock 3

Job/Task Assignment: Load belly dumps with sand

Specific Activity the employee was engaged in when the incident occurred:

Exiting loader

Activity was a Routine /Task: Yes ☑ No ☐

All equipment, materials, or chemicals the employee was using when the incident occurred:

7CY loader

Equipment Malfunction: Yes ☐ No ☑

Root Causes and Contributing Factors (**COMPLETE ROOT CAUSE ANALYSIS FORM**)

Employee was not using three-points of contact when exiting the loader and was exiting too quickly to be safe.

Describe how you may have prevented this injury: Use three points of contact when exiting the equipment and move slower.

Witnesses (Complete for all incident types):

Witness Information (First Witness)
Name: Vicente Valencia
Employee Number (ERRG): _____
Address: _____
City: _____
Zip Code: _____
Phone: 925-260-3844

Witness Information (Second Witness)
Name: _____
Employee Number (ERRG): _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Property Damage (Complete for Property Damage incidents only):

Property Damaged: _____ Property Owner: _____
Damage Description: _____
Estimated Amount: $ _____

Spill or Release (Complete for Environmental/Permit Issue incidents only):

Describe Environmental or Permit Issue: _____
Permit Type: _____
Permitted Level or Criteria (e.g., discharge limit): _____
Permit Name and Number (e.g., NPDES No. ST1234): _____
Substance and Estimated Quantity: _____
Duration of Permit Exceedence: _____

Injury information (Complete for Injury/Illness incidents only)

If ERRG Employee injured Male ☐ Female ☐ Multiple Injuries/Illnesses ☐ (Add in Additional Comments below))
Employee Name: _____ Employee Number: _____ DOB: ____/____/____
Social Security #: _____ Telephone Number: _____ Marital Status: _____
Address (Number, Street, City, State, Zip): _____
Date of Hire: ____/____/____ Occupation (Job Title): _____

If ERRG Subcontractor employee injured
Employee Name: _____ Company: _____
Subcontract Contract: _____ Phone number: _____

Injury Type

- ☐ Allergic Reaction
- ☐ Amputation
- ☐ Asphyxia
- ☐ Bruise / Contusion / Abrasion
- ☐ Burn (Chemical)
- ☐ Burn / Scald (Heat)
- ☐ Cancer
- ☐ Carpal Tunnel
- ☐ Concussion
- ☐ Cut / Laceration
- ☐ Dermatitis
- ☐ Dislocation
- ☐ Electric Shock
- ☐ Foreign Body in eye
- ☐ Fracture
- ☐ Freezing / Frost Bite
- ☐ Headache
- ☐ Hearing Loss
- ☐ Heat Exhaustion
- ☐ Hernia
- ☐ Infection
- ☐ Irritation to eye
- ☐ Ligament Damage
- ☐ Multiple (Specify)
- ☐ Muscle Spasms
- ☐ Other (Specify)
- ☐ Poisoning (Systemic)
- ☐ Puncture
- ☐ Radiation /Effects
- ☐ Strain / Sprain
- ☐ Tendonitis
- ☐ Wrist Pain

Part of Body Injured

- ☐ Abdomen
- ☐ Ankle(s)
- ☐ Arms (Multiple)
- ☑ Back
- ☐ Blood
- ☐ Body System
- ☐ Buttocks
- ☐ Chest / Ribs
- ☐ Ear(s)
- ☐ Elbow(s)
- ☐ Eye(s)
- ☐ Face
- ☐ Finger(s)
- ☐ Foot / Feet
- ☐ Hand(s)
- ☐ Head
- ☐ Hip(s)
- ☐ Kidney
- ☐ Knee(s)
- ☐ Legs(s)
- ☐ Liver
- ☐ Lower (arms)
- ☐ Lower (legs)
- ☐ Lung
- ☐ Mind
- ☐ Multiple (Specify)
- ☐ Neck
- ☐ Nervous System
- ☐ Nose
- ☐ Other (Specify)
- ☐ Reproductive System
- ☐ Shoulder(s)
- ☐ Throat
- ☐ Toe(s)
- ☐ Upper Arm(s)
- ☐ Wrist(s)

Nature of Injury

- ☐ Absorption
- ☐ Bite / Sting / Scratch
- ☐ Cardio-Vascular / Respiratory
- ☐ System Failure
- ☐ Caught in or Between
- ☑ Fall (From Elevation)
- ☐ Fall (Same Level)
- ☐ Ingestion
- ☐ Inhalation
- ☐ Lifting
- ☐ Mental Stress
- ☐ Motor Vehicle Accident
- ☐ Multiple (Specify)
- ☐ Slip or Trip
- ☐ Other (Specify)
- ☐ Overexertion
- ☐ Repeated Motion / Pressure
- ☐ Rubbed / Abraded
- ☐ Shock
- ☐ Struck Against
- ☐ Struck By
- ☐ Work Place Violence

Initial Diagnosis / Treatment Date: _____

Type of Treatment

- ☐ Admission to hospital / medical facility
- ☐ Application of bandages
- ☐ Cold / Heat Compression / Multiple Treatment
- ☐ Cold / Heat Compression / One Treatment
- ☐ First Degree Burn Treatment
- ☐ Heat Therapy / Multiple Treatment
- ☐ Multiple (Specify) _____
- ☐ Heat Therapy / One Treatment
- ☑ Non-Prescriptive medicine
- ☐ None
- ☐ Observation
- ☐ Other (Specify) _____
- ☐ Prescription – Multiple dose
- ☐ Prescription – Single dose
- ☐ Physical Therapy
- ☐ Removal of foreign bodies
- ☐ Skin Removal
- ☐ Soaking therapy – Multiple Treatment
- ☐ Soaking Therapy – One Treatment
- ☐ Stitched / Sutures
- ☐ Tetanus
- ☐ Treatment for infection
- ☐ Treatment of 2nd / 3rd degree burns
- ☐ Use of Antiseptic – multiple treatment
- ☐ Use of Antiseptic – single treatment
- ☐ Whirlpool bath therapy / multiple treatment
- ☐ Whirlpool therapy / single treatment
- ☐ X-rays negative
- ☐ X-rays positive / treatment of fracture

Number of days doctor required employee to be off work: _____
Number of days doctor restricted employee's work activity: _____

Physician Information

Name: _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Hospital Information

Name: _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Additional Comments:

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Reviewed By: _____ Date: _____

Approved By: Edward Grooman, H&S Manager Date: 4/19/11

Root Cause Analysis Form

Incident Title: _____ **Project No.** 29-141

Location: Hunters Point Naval Shipyard, San Francisco, CA **Date:** 4/19/11

Root Cause Analysis (RCA)

Root Cause Categories (RCC): Select the RCC numbered below that applies for the root cause (RC) and/or contributing factor (CF) in the first column, then describe the specific root cause and corrective actions in each column. Indicate whether it is a root cause or causal factor by checking one of the boxes to the right of this information.

1. Lack of knowledge or training
2. Lack of, or inadequate, operational procedures or work standards (SOPs)
3. Inadequate communication of expectations regarding procedures or work standards
4. Inadequate tools or equipment
5. Equipment failure
6. Inadequate pre-planning of project
7. Management failure to actively oversee and control project work flow
8. Personnel failure to follow policies, procedures or operational standards
9. Uncontrollable factor (Fire, lightning, flood, animals, reptiles, etc.)

RCC #	Root Cause(s)	Corrective Actions	RC[1]	CF[2]	Due Date	Completion Date	Date Verified
8	Loader operator did not use the '3' points of contact for dismounting vehicle	Review proper dismounting procedure with employee	✓		4/18/11	4/18/11	4/19/11

[1] RC = Root Cause; [2] CF = Contributing Factors (check which applies)

Investigation Team Members

Name	Job Title	Date
Heather Wollenburg	Site Safety Officer	4/18/11

Results of Solution Verification and Validation

Reviewed By

Name	Job Title	Date
Edward Grooman	Health and Safety Manager	4/19/11

Determination of Root Cause(s)

For minor losses or near misses the information may be gathered by the supervisor or other personnel immediately following the loss. Based on the complexity of the situation, this information may be all that is necessary to enable the investigation team to analyze the loss, to determine the root cause, and to develop recommendations. More complex situations may require the investigation team to revisit the loss site or re-interview key witnesses to obtain answers to questions that may arise during the investigation process.

Photographs or videotapes of the scene and damaged equipment should be taken from all sides and from various distances. This point is especially important when the investigation team will not be able to review the loss scene.

The investigation team must use the Root Cause Analysis Flow Chart to assist in identifying the root cause(s) of a loss. Any loss my have one or more "root causes" and "contributing factors". The "root cause" is the primary or immediate cause of the incident, while a "contributing factor" is a condition or event that contributes to the incident happening, but is not the primary cause of the incident. Root causes and contributing factors that relate to the *person* involved in the loss, his other peers, or the supervisor should be referred to as "personal factors". Causes that pertain to the *system* within which the loss or injury occurred should be referred to as "job factors".

Personal Factors

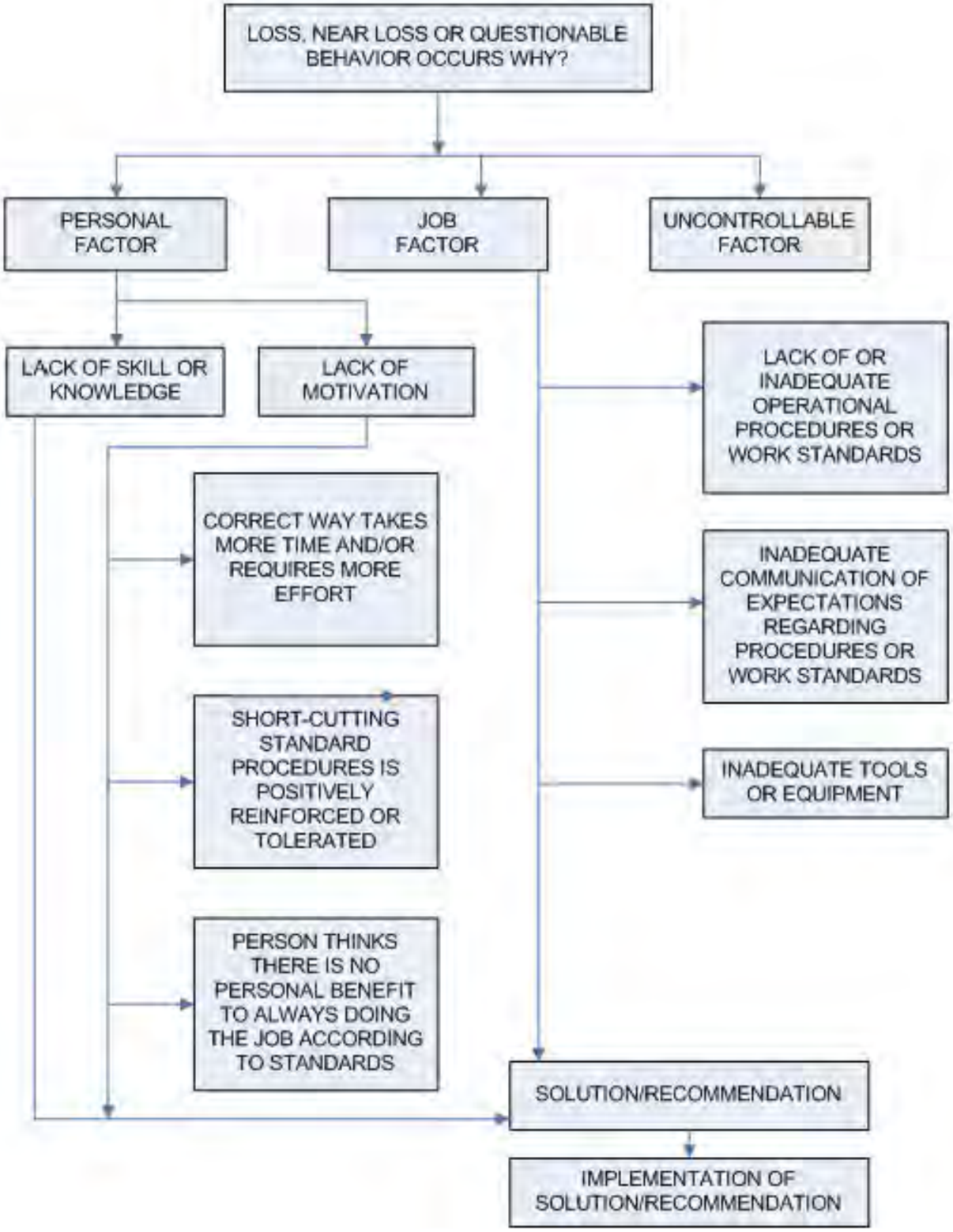
- Lack of skill of knowledge
- Correct way takes more time and/or requires more effort
- Short-cutting standard procedures is positively reinforced or tolerated
- Person thinks that there is no personal benefit to always doing the job according to standards

Job Factors

- Lack of or inadequate operational procedures or work standards
- Inadequate communication of expectations regarding procedures or standards
- Inadequate tools or equipment

The root cause(s) could be any one or combination of these seven possibilities or some other "uncontrollable factor". In the vast majority of losses, the root cause is very much related to one or more of these seven factors. Uncontrollable factors should be used rarely and only after a through review eliminates "all" seven other factors.

Root Cause Analysis
Flow Chart



CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 18/APR/11

REPORT NO 111

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
06	Cover Installation (reheld the initial for this DFOW to refresh the crew after the 4 month winter shutdown)	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Remobilized to the site. Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock
	barge offloading operation to IR-07 & -18 using belly dump trucks. Continued spreading and compacting first lift of cover soil across the entire
	site. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	A belly dump truck tire was punctured by the dozer blade while pushing the belly dump out of a soft spot in IR-18. No injuries were incurred.
06	The loader operator got his shirt sleeve caught on a handle while stepping off the loader, stumbled, and fell backwards on his back onto the pile
	of sand. No injuries were incurred.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/18/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

INITIAL PHASE CHECKLIST

SPEC SECTION	DATE
02 66 00, 31 00 00, 31 05 22, 33 24 13	18/APR/11

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62473-09-D-2608	Cover Installation	06	

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED 24 HOURS IN ADVANCE: - YES ■ NO □

NAME	POSITION	COMPANY/GOVERNMENT
Elizabeth Binning	Quality Control Manager	ERRG
Tyson Appel	Construction Manager/Superintendent	ERRG
Heather Wollenburg	SSHO	ERRG
Larry Johnson	Operator	ERRG
Larry Stack	Operator	ERRG/Harris Blade
Guatalupe Trujillo	Operator	ERRG
Vilamu Lelei	Laborer	ERRG
Ken Mark	Laborer	ERRG

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE WITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINATE PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENT: Procedures are in compliance. All submittals have been submitted to the ROICC and been approved.

PRELIMINARY WORK

ENSURE PRELIMINARY WORK IS COMPLETE AND CORRECT. IF NOT, WHAT ACTION IS TAKEN?

All preliminary work has been completed.

WORKMANSHIP

ESTABLISH LEVEL OF WORKMANSHIP.

WHERE IS WORK LOCATED? IR-07, IR-18, and the dry dock in Parcel B, HPS, SF

IS SAMPLE PANEL REQUIRED? - YES □ NO ■

WILL IT BE INIITAL WORK BE CONSIDERED AS A SAMPLE? - YES □ NO ■

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENT: No differences were identified.

CHECK SAFETY

REVIEW JOB CONDITIONS USING EM 385-1-1 AND JOB HAZARD ANALYSIS

COMMENT: EM 385-1-1 & site specific AHAs reviewed by SSHO.

OTHER

OTHER ITEMS OR REMARKS

Other personnel present at meeting: Vicente Valencia (Laborer, ERRG) and David Hasal (Grade Checker, ERRG)

Elizabeth Binning — 4/18/2011

QC MANAGER — DATE

Cover Installation

Date: 04/18/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being in 6” compacted lifts
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 04/18/2011

Photo 1: Cover Installation – Spreading first lift of soil from the Decker Island backfill source across the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Heather Wollenburg (ERRG, Inc.) Date: April 18, 2011

Photo 2: Cover Installation – Offloading soil from the barge in the dry dock area to be hauled to IR-07&-18.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Heather Wollenburg (ERRG, Inc.) Date: April 18, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 19/APR/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 112

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: Tyson Appel

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy,cool	Cloudy,cool	66	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. One barge today.	ERRG	1	Construction Manager/Superintendent	12
	Using belly dumps to haul fill to IR-07 / IR-18.	ERRG	1	Project Manager	1
	Place material on the cap in the initial 1 foot cover areas, spread and compact.	ERRG	1	QC Manager	12
		ERRG	1	H&S Manager	12
		ERRG	1	QC Staff	12
		ERRG	1	Truck Drivers	8
		ERRG	3	Equipment Operators	48
		ERRG	1	Laborer	16
		Eighteen Trucking	4	Truck Driver	46
		Jerico	4	Marine Sub	40
		RC Camese	1	Truck Driver	4

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	219
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	14354
TOTAL WORK HOURS FROM START OF CONSTRUCTION	14573

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Select Fill (151 loads)

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	4K water truck - 1ea	12
	Harris Blade	D6R Bulldozer-1ea	12
	Harris Blade	815 Compactor	4
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	12
	Harris Blade	2K water truck - 1 ea	2

Schedule Activity No.	REMARKS

Tyson Appel — CONTRACTOR/SUPERINTENDENT

4/19/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 19/APR/11	REPORT NO: 112 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: Tyson Appel	
AM WEATHER: Cloudy,cool	PM WEATHER: Cloudy,cool	MAX TEMP (F): 66	MIN TEMP (F): 52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	12
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8

Schedule Activity No.	REMARKS

Tyson Appel — CONTRACTOR/SUPERINTENDENT

4/19/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 4/19/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07

TYPE OF WORK soil cover installation

SAFETY TOPICS PRESENTED

SAFETY TOPICS pushing belly dump, equip inspections, PPE use, falls from equip

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves ~~and PFD (personal flotation device)~~ as necessary.
haw

CHEMICAL HAZARDS ~~Potential for low level radiation~~ haw

PHYSICAL HAZARDS slips, trips, falls, heavy equipment operation

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Larry Stack	ERRG	[signature]
DAVID HASAL	ERRG	[signature]
Ken Mark	ERRG	[signature]
Liliana Ellis	ERRG	[signature]
Guadalupe Trujillo	ERRG	Trujillo
VICENTE VALENCIA	ERRG	[signature]
Tyson Adam	ERRG	[signature]
Larry Johnson	ERRG	Larry John
Lie Binning	ERRG	[signature]
JOHN SOURIAL	ERRG	[signature]
Elizabeth Creek	ERRG	[signature]
Adam Zwiebel	ROICC	[signature]
Shirley Ng	ROICC	[signature]
Peter Stroganoff	ROICC	[signature]
William Schmidt	ERRG	[signature]

Health & Safety Officer Heather Wollenburg **SUPERINTENDENT** Ty Appl

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenburg
Day: Tuesday
Client: Dept of the Navy
Date: 4/19/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: Overcast
Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.

Description of Field Activities:

0700 tailgate safety meeting - moving sand from barge
0740 set up 3 dust meters (see air monitoring log & map

1050 dozer damaged back end of belly dump while pushing it - could not be pushed any more (left site @ 1330) - see incident report

1300 CQC Meeting

continue offloading barge sand

1900 offsite

Equipment in use: 815 sheepsfoot, 2 dozers, 1 loader, 4 (5) belly dumps 1:84" compactor, 2 water & hw trucks

Signed: HW
Date: 4/~~20~~19/11 hw

AIR MONITORING LOG SHEET

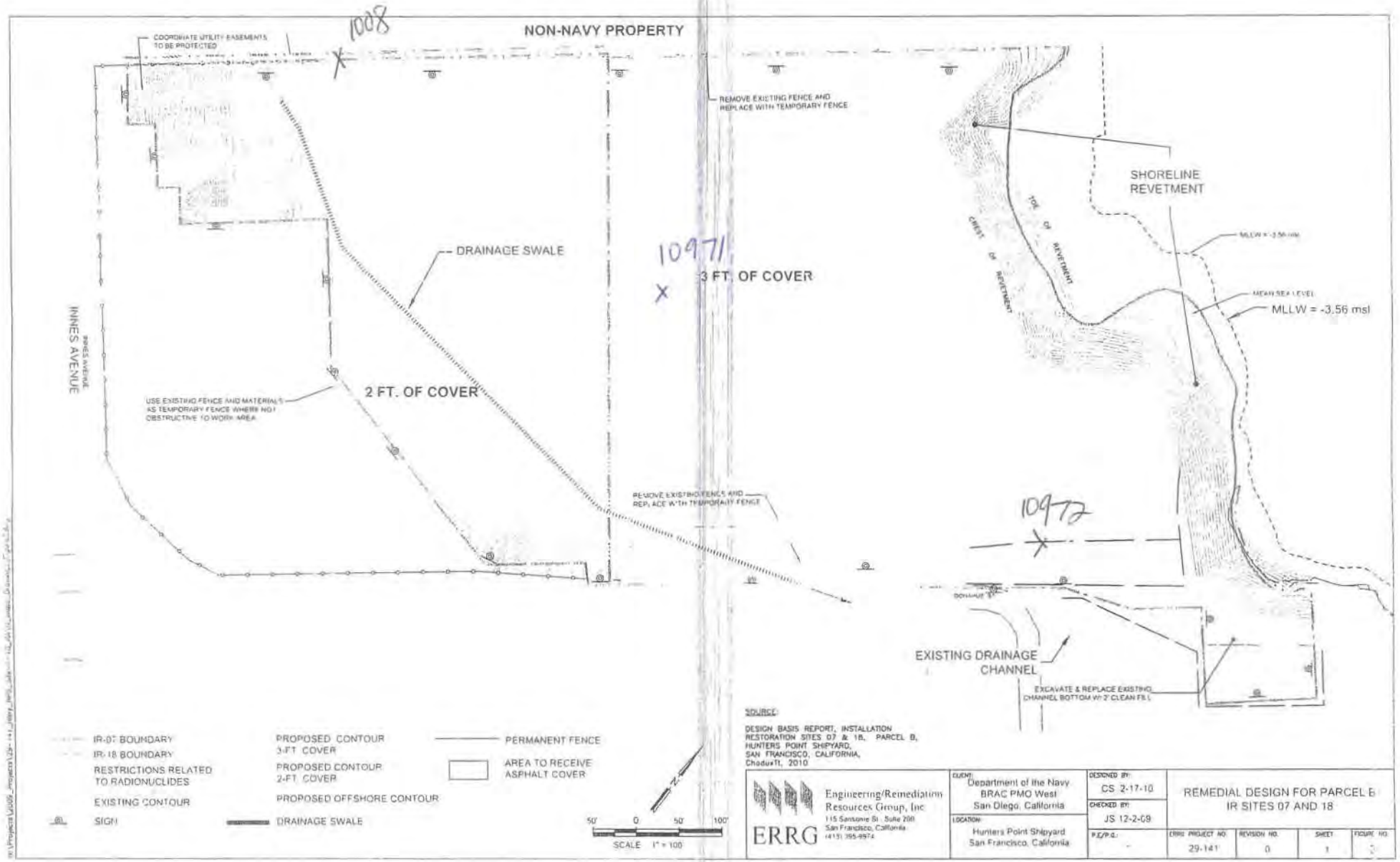
ERRG

Prepared by: H. Wollenberg
Project Name: HPNS
Site Location: IR07/18
Calibration (Date and Time): 4/19/11 @ 0732 - 10172 - OK

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: Zero Air

Location	Date	Time	conc. Instrument ~~PID~~ haw	TWA DataRAM	Comments
10972	4/19/11	0744	~~0.0~~ 0.108	0.109	installing soil covers
1008	4/19/11	0748	0.000	0.000	
10972		0916	0.050	0.035	
10971		0917	0.011	0.263	
1008		0921	0.000	0.000	
10972		1210	0.181	0.090	
10971		1212	0.044	0.011	
1008		1215	0.00	0.000	
10972		1331	0.333	0.141	
10971		1333	0.011	0.016	
1008		1326	0.026	0.000	
10972		1441	0.372	0.169	
10971		1443	0.015	0.016	
1008		1448	0.000	0.000	
10972		1545	0.412	0.190	
10971		1547	0.015	0.016	
1008		1551	0.000	0.000	
10972		1705	0.379	0.218	
1008		1710	0.000	0.000	
10971		1715	0.023	0.015	
1008		1820	0.005	0.010	
10971		1825	0.012	0.012	
10972		1826	0.123	0.223	

4/19/11



SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, October 11, 2010

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California (415) 395-9574	CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 2-17-10	REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18	
	LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 12-2-09		
		P.E./P.G.: -	ERRG PROJECT NO. 29-141	REVISION NO. 0
			SHEET 1	FIGURE NO. 2

Incident Report Form (IRF)

Type of Incident (Select at least one)

- ☐ Injury/Illness
- ☐ Environmental/Permit Issue
- ☐ Restricted Duty
- ☑ Property Damage
- ☐ Near Miss
- ☐ Lost Time
- ☐ Spill/Release
- ☐ Recordable
- ☐ Other

General Information (Complete for all incident types)

Preparer's Name: Heather Wollenburg
Date of Report: 4/20/11 Date of Incident: 4/19/11 Time of Incident: 10:45 am am/pm

Verbal Notification (Complete for all incident types)

ERRG PM/CM Notified: John Sourial / Tyson Appel Date 4/19/11 Time 11:00 am am/pm

Type of Activity (Provide activity being performed that resulted in the incident)

- ☐ Asbestos Work
- ☐ Confined Space Entry
- ☐ Construction Mgmt-Haz Waste
- ☐ Construction Mgmt – Non-Haz Waste
- ☐ Demolition
- ☐ Drilling Haz Waste
- ☐ Drilling-Non-Haz Waste
- ☐ Drum Handling
- ☐ Electrical Work
- ☐ Excavation Trench-Haz Waste
- ☐ Excavation Trench-Non Haz
- ☐ Facility Walk Through
- ☐ General Office Work
- ☐ Keyboard Work
- ☐ Laboratory
- ☐ Lead Abatement
- ☑ Motor Vehicle Operation
- ☐ Moving Heavy Object
- ☐ Other (Specify) _____
- ☐ Process Safety Management
- ☐ Tunneling
- ☐ Welding
- ☐ Wetlands Survey
- ☐ Working from Heights
- ☐ Working in Roadways
- ☐ WWTP Operation

Location of Incident (Select one)

- ☐ Company Premises: _____
- ☑ Field – Project/Site Name: Hunters Point Naval Shipyard Project No.: 29-141
  Location: IR07/18
- ☐ In Transit – Traveling from : _____ Traveling to: _____

Conditions: (Check all that apply)

Weather: Rain: [☐ Heavy ☐ Light] ☐ Snow ☐ Foggy ☐ Windy
Visibility: ☐ Sunny ☑ Cloudy ☐ Sunrise ☐ Sunset ☐ Night

Incident Investigation (Complete for all incident types)

Describe the Incident (Provide a brief description of the incident and how it occurred)

Belly dump truck became stuck in the uncompacted soil and had to be pushed from behind with a dozer to free it and in the process damaged the truck's rear push plate.

Task Location: IR07 area

Job/Task Assignment: Installing soil cover

Specific Activity the employee was engaged in when the incident occurred:

Pushing belly dump with dozer to get it unstuck.

Activity was a Routine /Task: Yes ☑ No ☐

All equipment, materials, or chemicals the employee was using when the incident occurred:

Belly dump truck, dozer

Equipment Malfunction: Yes ☐ No ☑

Root Causes and Contributing Factors (**COMPLETE ROOT CAUSE ANALYSIS FORM**)

Dozer pushing belly dump to get it unstuck was due to drop area not compacted enough and wrong syle of truck unloading the soil

Describe how you may have prevented this injury: Use different trucks or better compact haul road; when possible

Witnesses (Complete for all incident types):

Witness Information (First Witness)
Name: Will Lelei
Employee Number (ERRG): _____
Address: _____
City: _____
Zip Code: _____
Phone: 510-938-2937

Witness Information (Second Witness)
Name: _____
Employee Number (ERRG): _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Property Damage (Complete for Property Damage incidents only):

Property Damaged: Push plate on belly dump Property Owner: RC Camese Transportation
Damage Description: push plate damaged on truck
Estimated Amount: $ 1500

Spill or Release (Complete for Environmental/Permit Issue incidents only):

Describe Environmental or Permit Issue: _____
Permit Type: _____
Permitted Level or Criteria (e.g., discharge limit): _____
Permit Name and Number (e.g., NPDES No. ST1234): _____
Substance and Estimated Quantity: _____
Duration of Permit Exceedence: _____

Injury information (Complete for Injury/Illness incidents only)

If ERRG Employee injured Male ☐ Female ☐ Multiple Injuries/Illnesses ☐ (Add in Additional Comments below))
Employee Name: _____ Employee Number: _____ DOB: ____/____/____
Social Security #: _____ Telephone Number: _____ Marital Status: _____
Address (Number, Street, City, State, Zip): _____
Date of Hire: ____/____/____ Occupation (Job Title): _____

If ERRG Subcontractor employee injured
Employee Name: _____ Company: _____
Subcontract Contract: _____ Phone number: _____

Injury Type

- ☐ Allergic Reaction
- ☐ Amputation
- ☐ Asphyxia
- ☐ Bruise / Contusion / Abrasion
- ☐ Burn (Chemical)
- ☐ Burn / Scald (Heat)
- ☐ Cancer
- ☐ Carpal Tunnel
- ☐ Concussion
- ☐ Cut / Laceration
- ☐ Dermatitis
- ☐ Dislocation
- ☐ Electric Shock
- ☐ Foreign Body in eye
- ☐ Fracture
- ☐ Freezing / Frost Bite
- ☐ Headache
- ☐ Hearing Loss
- ☐ Heat Exhaustion
- ☐ Hernia
- ☐ Infection
- ☐ Irritation to eye
- ☐ Ligament Damage
- ☐ Multiple (Specify)
- ☐ Muscle Spasms
- ☐ Other (Specify)
- ☐ Poisoning (Systemic)
- ☐ Puncture
- ☐ Radiation /Effects
- ☐ Strain / Sprain
- ☐ Tendonitis
- ☐ Wrist Pain

Part of Body Injured

- ☐ Abdomen
- ☐ Ankle(s)
- ☐ Arms (Multiple)
- ☐ Back
- ☐ Blood
- ☐ Body System
- ☐ Buttocks
- ☐ Chest / Ribs
- ☐ Ear(s)
- ☐ Elbow(s)
- ☐ Eye(s)
- ☐ Face
- ☐ Finger(s)
- ☐ Foot / Feet
- ☐ Hand(s)
- ☐ Head
- ☐ Hip(s)
- ☐ Kidney
- ☐ Knee(s)
- ☐ Legs(s)
- ☐ Liver
- ☐ Lower (arms)
- ☐ Lower (legs)
- ☐ Lung
- ☐ Mind
- ☐ Multiple (Specify)
- ☐ Neck
- ☐ Nervous System
- ☐ Nose
- ☐ Other (Specify)
- ☐ Reproductive System
- ☐ Shoulder(s)
- ☐ Throat
- ☐ Toe(s)
- ☐ Upper Arm(s)
- ☐ Wrist(s)

Nature of Injury

- ☐ Absorption
- ☐ Bite / Sting / Scratch
- ☐ Cardio-Vascular / Respiratory
- ☐ System Failure
- ☐ Caught in or Between
- ☐ Fall (From Elevation)
- ☐ Fall (Same Level)
- ☐ Ingestion
- ☐ Inhalation
- ☐ Lifting
- ☐ Mental Stress
- ☐ Motor Vehicle Accident
- ☐ Multiple (Specify)
- ☐ Slip or Trip
- ☐ Other (Specify)
- ☐ Overexertion
- ☐ Repeated Motion / Pressure
- ☐ Rubbed / Abraded
- ☐ Shock
- ☐ Struck Against
- ☐ Struck By
- ☐ Work Place Violence

Initial Diagnosis / Treatment Date: _____

Type of Treatment

- ☐ Admission to hospital / medical facility
- ☐ Application of bandages
- ☐ Cold / Heat Compression / Multiple Treatment
- ☐ Cold / Heat Compression / One Treatment
- ☐ First Degree Burn Treatment
- ☐ Heat Therapy / Multiple Treatment
- ☐ Multiple (Specify) _____
- ☐ Heat Therapy / One Treatment
- ☐ Non-Prescriptive medicine
- ☐ None
- ☐ Observation
- ☐ Other (Specify) _____
- ☐ Prescription – Multiple dose
- ☐ Prescription – Single dose
- ☐ Physical Therapy
- ☐ Removal of foreign bodies
- ☐ Skin Removal
- ☐ Soaking therapy – Multiple Treatment
- ☐ Soaking Therapy – One Treatment
- ☐ Stitched / Sutures
- ☐ Tetanus
- ☐ Treatment for infection
- ☐ Treatment of 2nd / 3rd degree burns
- ☐ Use of Antiseptic – multiple treatment
- ☐ Use of Antiseptic – single treatment
- ☐ Whirlpool bath therapy / multiple treatment
- ☐ Whirlpool therapy / single treatment
- ☐ X-rays negative
- ☐ X-rays positive / treatment of fracture

Number of days doctor required employee to be off work: _____
Number of days doctor restricted employee's work activity: _____

Physician Information

Name: _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Hospital Information

Name: _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Additional Comments:

_____
_____
_____
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_____

Reviewed By: _____ Date: _____

Approved By: Edward Grooman, H&S Manager Date: 4/20/11

Root Cause Analysis Form

Incident Title: Dozer Damages Truck Push Plate **Project No.** 29-141

Location: Hunters Point Naval Shipyard, San Francisco, CA **Date:** 4/20/11

Root Cause Analysis (RCA)

Root Cause Categories (RCC): Select the RCC numbered below that applies for the root cause (RC) and/or contributing factor (CF) in the first column, then describe the specific root cause and corrective actions in each column. Indicate whether it is a root cause or causal factor by checking one of the boxes to the right of this information.

1. Lack of knowledge or training
2. Lack of, or inadequate, operational procedures or work standards (SOPs)
3. Inadequate communication of expectations regarding procedures or work standards
4. Inadequate tools or equipment
5. Equipment failure
6. Inadequate pre-planning of project
7. Management failure to actively oversee and control project work flow
8. Personnel failure to follow policies, procedures or operational standards
9. Uncontrollable factor (Fire, lightning, flood, animals, reptiles, etc.)

RCC #	Root Cause(s)	Corrective Actions	RC[1]	CF[2]	Due Date	Completion Date	Date Verified
6	Belly dump trucks are getting stuck in the soft sand that they are dumping	Replacing belly dump trucks with backend dump trucks to avoid getting truck stuck	✓		4/20/11	4/20/11	4/20/11
9	Articulated Dump trucks not be used yet	Trucks had been ordered, but had not arrived yet		✓	4/20/11	4/20/11	4/20/11

[1] RC = Root Cause; [2] CF = Contributing Factors (check which applies)

Investigation Team Members

Name	Job Title	Date
Heather Wollenburg	Site Safety Officer	4/20/11

Results of Solution Verification and Validation

Reviewed By

Name	Job Title	Date
Edward Grooman	Health and Safety Manager	4/20/11

Determination of Root Cause(s)

For minor losses or near misses the information may be gathered by the supervisor or other personnel immediately following the loss. Based on the complexity of the situation, this information may be all that is necessary to enable the investigation team to analyze the loss, to determine the root cause, and to develop recommendations. More complex situations may require the investigation team to revisit the loss site or re-interview key witnesses to obtain answers to questions that may arise during the investigation process.

Photographs or videotapes of the scene and damaged equipment should be taken from all sides and from various distances. This point is especially important when the investigation team will not be able to review the loss scene.

The investigation team must use the Root Cause Analysis Flow Chart to assist in identifying the root cause(s) of a loss. Any loss my have one or more "root causes" and "contributing factors". The "root cause" is the primary or immediate cause of the incident, while a "contributing factor" is a condition or event that contributes to the incident happening, but is not the primary cause of the incident. Root causes and contributing factors that relate to the *person* involved in the loss, his other peers, or the supervisor should be referred to as "personal factors". Causes that pertain to the *system* within which the loss or injury occurred should be referred to as "job factors".

Personal Factors

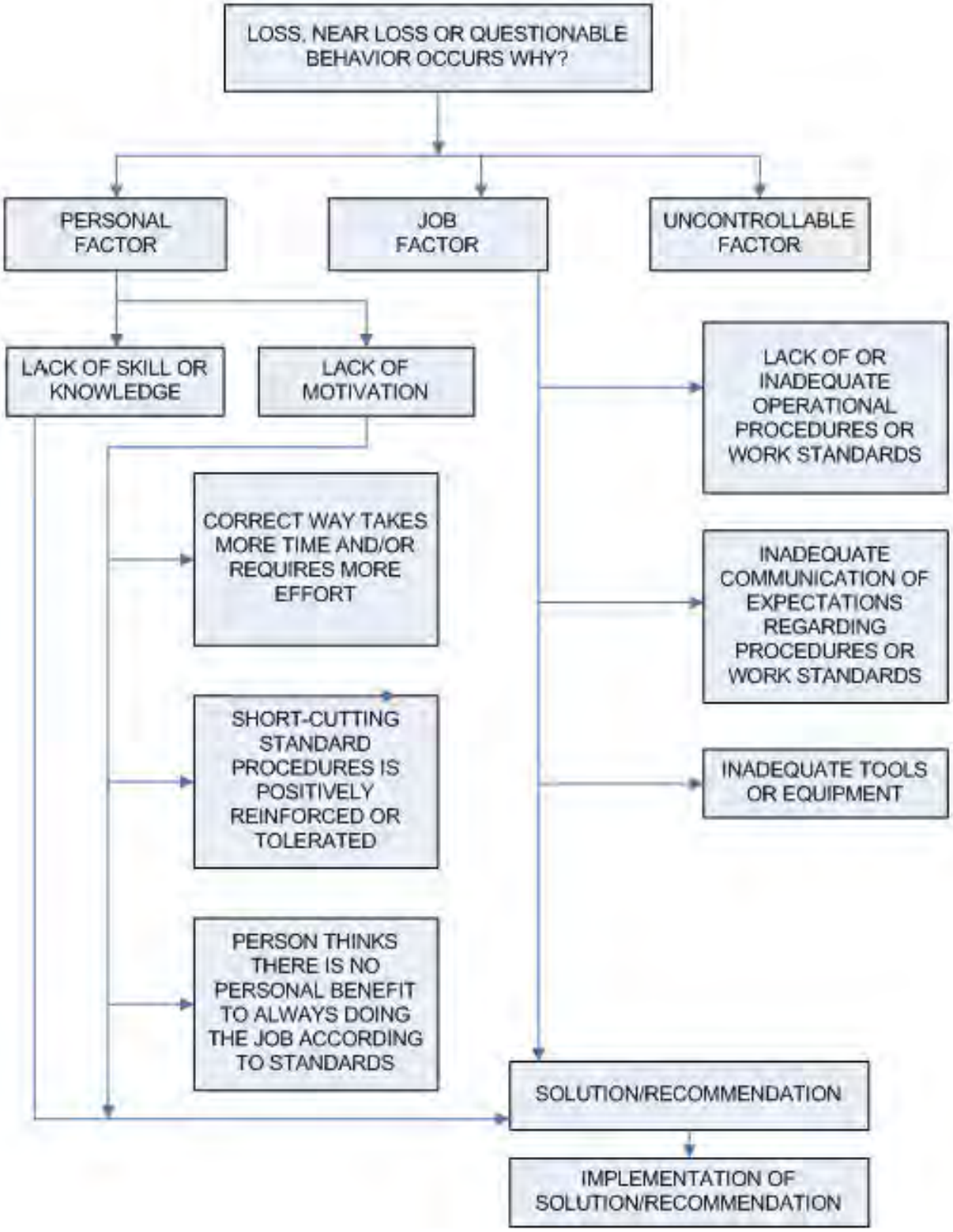
- Lack of skill of knowledge
- Correct way takes more time and/or requires more effort
- Short-cutting standard procedures is positively reinforced or tolerated
- Person thinks that there is no personal benefit to always doing the job according to standards

Job Factors

- Lack of or inadequate operational procedures or work standards
- Inadequate communication of expectations regarding procedures or standards
- Inadequate tools or equipment

The root cause(s) could be any one or combination of these seven possibilities or some other "uncontrollable factor". In the vast majority of losses, the root cause is very much related to one or more of these seven factors. Uncontrollable factors should be used rarely and only after a through review eliminates "all" seven other factors.

Root Cause Analysis
Flow Chart



CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 19/APR/11

REPORT NO 112

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using belly dump trucks. Continued spreading and compacting first lift of cover soil across the entire site. Verified
	that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	A belly dump truck push plate was damage by the dozer while pushing the belly dump out of the uncompacted sand on site. No injuries were
	incurred.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/19/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 04/19/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being in 6” compacted lifts
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**				
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 04/19/2011

Photo 1: Cover Installation – Offloading soil from the barge in the dry dock area to be hauled to IR-07&-18.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 19, 2011

Photo 2: Cover Installation – Offloading soil from the barge in the dry dock area to be hauled to IR-07&-18.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 19, 2011

Photo 3: Cover Installation – Placing and spreading first lift of soil from the Decker Island backfill source across the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 19, 2011

Photo 4: Cover Installation – Spreading and compacting first lift of soil from the Decker Island backfill source across the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 19, 2011

Photo 5: Cover Installation – Compaction of the first lift of soil across the site.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 19, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 20/APR/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 113

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: James Nores / Tyson Appel

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy, cool	Cloudy, cool, light rain	65	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. One barge today.	ERRG	1	Construction Manager/Superintendent	13
	Using belly dumps and offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	3
	Place material on the cap in the initial 1 foot cover areas, spread and compact.	ERRG	1	QC Manager	13
		ERRG	1	H&S Manager	13
	15:15 ERS noted missing dolphin- Jerico tied off to dolphin w/in 4/19-4/20 period	ERRG	1	QC Staff	10
	and wood piers gave way due to deteriorated wood (Dry Dock 3)	ERRG	3	Truck Drivers	23
		ERRG	4	Equipment Operators	70
		ERRG	1	Laborer	12.5
		Eighteen Trucking	4	Truck Driver	49.5
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Grade Checker	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	246.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	14573
TOTAL WORK HOURS FROM START OF CONSTRUCTION	14819.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Select Fill (224 loads)

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	4K water truck - 1ea	12
	Harris Blade	D6R Bulldozer-1ea	12
	Harris Blade	CAT 30 ton articulated offroad dump truck	4
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	12
	Harris Blade	4K water truck - 1 ea	0

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

4/20/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 20/APR/11	REPORT NO: 113 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: James Nores / Tyson Appel	
AM WEATHER: Cloudy, cool	PM WEATHER: Cloudy, cool, light rain	MAX TEMP (F): 65	MIN TEMP (F): 53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	12
	Harris Blade	84" Smooth Drum Compactor - 1 ea	12
	harris Blade	Volvo 35 ton articulated offroad dump truck	0
	Harris Blade	Volvo 40 ton articulated offroad dump truck	7

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

4/20/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 4/20/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07

TYPE OF WORK soil cover install

SAFETY TOPICS PRESENTED

SAFETY TOPICS pushing dozer, equip checks, slips, trips, falls

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS slips, trips, falls

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Larry Stack	ERRG	[signature]
Larry Johnson	ERRG	Larry Johnson
Villiamu Leiei	ERRG	[signature]
Oscar Orozco	ERRG	[signature]
Ken Mark	ERRG	[signature]
DAVID HASAL	ERRG	[signature]
Sergio [illegible]	ERRG	[signature]
[illegible]	ERRG	[signature]
[illegible]	ERRG	[signature]
VICENTE VALENCIA	ERRG	Vicente Valencia
Liz Binning	ERRG	[signature]
HARINDER	J.V. Carmen	[signature]
KARMJIT SINGH	KS Trucking	[signature]
[illegible]	[illegible]	[signature]
[illegible]	DMA	[signature]
[illegible]	[illegible]	[signature]
[illegible]	REG PGE	[signature]

Health & Safety Officer [signature]

SIGNATURE Heather Wollenburg

SUPERINTENDENT [signature]

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ hw H. Wollenburg
Day: Wednesday
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: Overcast
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 4/20/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0645 Tailgate Safety meeting - imprint Sand from Dry Dock - 3 barges scheduled - 2 arrived
0700 used belly dumps & articulated off-road dump trucks

1215 Naomi - BAAQMD visit

1515 ~~URS~~ hw ERS-JV notified ERRC of ~~potential barge~~ hw to pier - dolphin missing & pier asphalt cracked John Sourial notified - see attached incident report - dolphin missing was a result of our sub Jerico tying off to it ~~on it~~ hw

1830 begin Washing truck tires

1905 crew offsite

Equipment in use: 2 Dozers, 1 Loader, 2 water trucks, 5 belly dump trucks, 2 articulated off road dump trucks, 1 84" compactor

Signed: hw Date: 4/20/11

AIR MONITORING LOG SHEET

ERRG

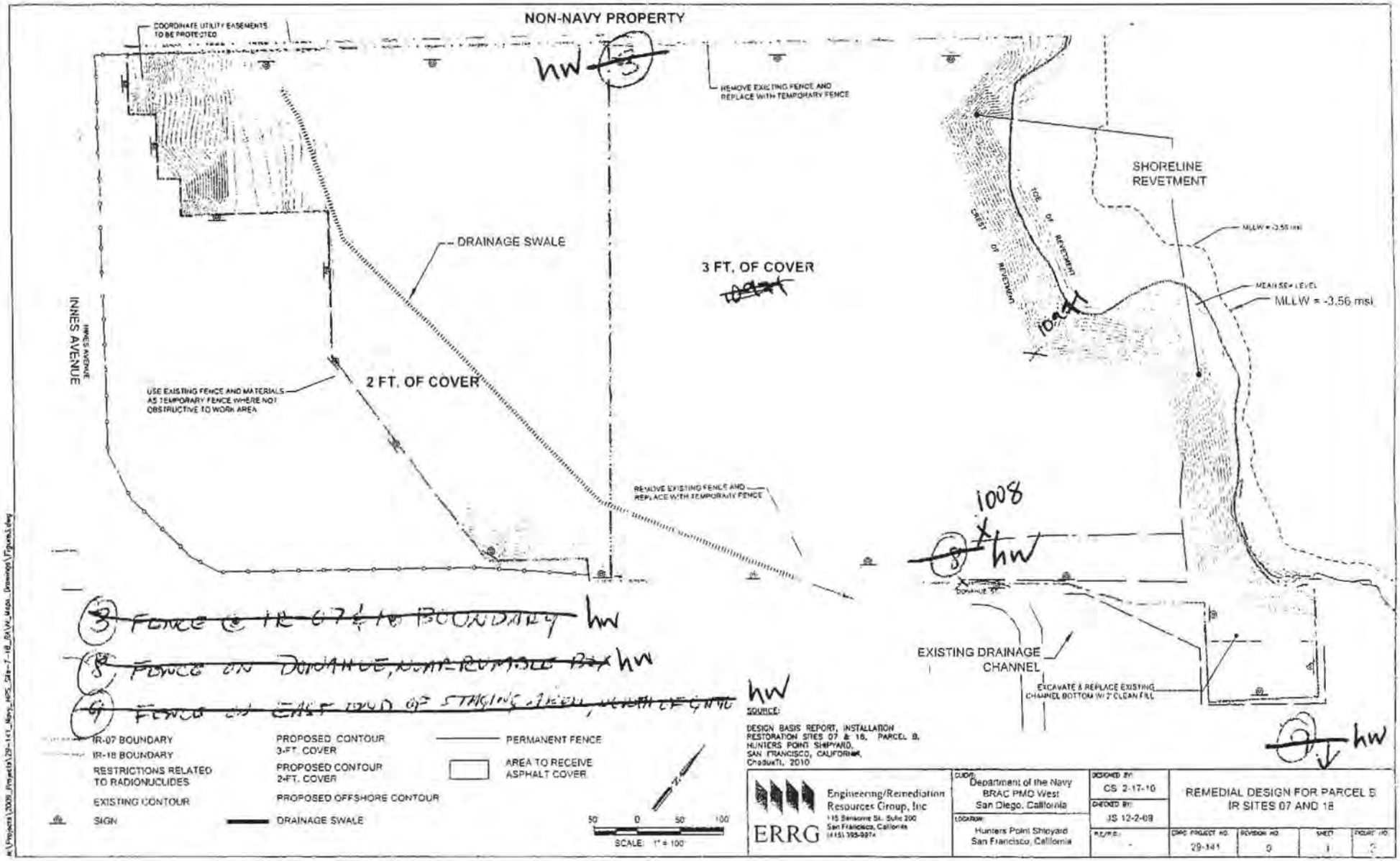
Prepared by: H. Wollenburg
Project Name: Hunters Point
Site Location: IR07
Calibration (Date and Time): see previous sheets

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used:

Location	Date	Time	Instrument conc. ~~PID~~	Instrument TWA DataRAM	Comments
1008	4/20/11	0642	0.003	0.025	Mob: safety mtg. setup meters
10971		0643	0.021	0.021	
10972		0645	0.090	0.080	
1008		0748	0.003	0.003	importing soil
10971		0749	0.016	0.016	
10972		0753	0.068	0.068	
1008		0915	0.000	0.001	
10971		0916	0.014	0.016	
10972		0918	0.100	0.077	
1008		1015	0.000	0.000	
10971		1016	0.049	0.016	
10972		1020	0.107	0.084	
10972		1115	0.118	0.008	
10971		1116	0.012	0.017	
1008		1118	0.000	0.000	
1008		1315	0.002	0.002	change battery, unit off ~~[illegible]~~ 1315
10972		1321	0.129	0.096	
~~10972~~ 10971		1325	0.012	0.024	change battery, unit off 1325
1008		1509	0.000	0.000	adjust mode cont. data log
10972		1514	0.085	0.092	
10971		1517	0.004	0.010	adjust mode cont data log
1008		1609	0.000	0.000	
10971		1611	0.009	0.011	~~cut/off, no battery~~
10972		1615	—	—	off, no battery
10972		1632	0.081	0.090	
10972		1755	0.101	0.083	
10971		1758	0.000	0.006	
1008		1759	0.000	0.000	

4/20/11

10972


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
2 FT. OF COVER
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
MEAN SEA LEVEL
MLLW = -3.56 msl
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT. COVER
PROPOSED CONTOUR 2-FT. COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE: 1" = 100'
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, CH2MHILL, 2010
ERRG
Engineering/Remediation Resources Group, Inc
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
DRAWING PROJECT NO. 29-141
REVISION NO. 0

Incident Report Form (IRF)

Type of Incident (Select at least one)

- ☐ Injury/Illness
- ☐ Environmental/Permit Issue
- ☐ Restricted Duty
- ☑ Property Damage
- ☐ Near Miss
- ☐ Lost Time
- ☐ Spill/Release
- ☐ Recordable
- ☐ Other

General Information (Complete for all incident types)

Preparer's Name: Heather Wollenburg

Date of Report: 4/21/11 Date of Incident: 4/20/11 Time of Incident: unknown am/pm

Verbal Notification (Complete for all incident types)

ERRG PM/CM Notified: John Sourial / Tyson Appel Date 4/20/11 Time 15:15 pm am/pm

Type of Activity (Provide activity being performed that resulted in the incident)

- ☐ Asbestos Work
- ☐ Confined Space Entry
- ☐ Construction Mgmt-Haz Waste
- ☐ Construction Mgmt – Non-Haz Waste
- ☐ Demolition
- ☐ Drilling Haz Waste
- ☐ Drilling-Non-Haz Waste
- ☐ Drum Handling
- ☐ Electrical Work
- ☐ Excavation Trench-Haz Waste
- ☐ Excavation Trench-Non Haz
- ☐ Facility Walk Through
- ☐ General Office Work
- ☐ Keyboard Work
- ☐ Laboratory
- ☐ Lead Abatement
- ☐ Motor Vehicle Operation
- ☐ Moving Heavy Object
- ☑ Other (Specify) Barge entry into Dry Dock
- ☐ Process Safety Management
- ☐ Tunneling
- ☐ Welding
- ☐ Wetlands Survey
- ☐ Working from Heights
- ☐ Working in Roadways
- ☐ WWTP Operation

Location of Incident (Select one)

- ☐ Company Premises: _____
- ☑ Field – Project/Site Name: Hunters Point Naval Shipyard Project No.: 29-141
  Location: IR07/18 - Dry Dock 3
- ☐ In Transit – Traveling from : _____ Traveling to: _____

Conditions: (Check all that apply)

Weather: Rain: [☐ Heavy ☐ Light] ☐ Snow ☐ Foggy ☐ Windy

Visibility: ☐ Sunny ☑ Cloudy ☐ Sunrise ☐ Sunset ☐ Night

Incident Investigation (Complete for all incident types)

Describe the Incident (Provide a brief description of the incident and how it occurred)

Marine vessel tied off to dolphin (a stand-alone structure, usually consisting of a cluster of piles, a concrete mass supported by a number of piles, or a sheet pile cell, which is used to guide and/or moor vessels).

The dolphin toppled over and sunk when one of our subcontractor's marine vessels was tying off to it.

Task Location: Dry Dock 3

Job/Task Assignment: Entry into Dry Dock

Specific Activity the employee was engaged in when the incident occurred:

Subcontractor Jerico was operating the marine vessel at the time the dolphin toppled over.

Activity was a Routine /Task: Yes ☑ No ☐

All equipment, materials, or chemicals the employee was using when the incident occurred:

Jerico Barge

Equipment Malfunction: Yes ☐ No ☑

Root Causes and Contributing Factors (**COMPLETE ROOT CAUSE ANALYSIS FORM**)

Barge tied off to a deteriorating dolphin, incapable of properly mooring the vessel. The wood piers that were holding it up were extremely deteriorated.

Describe how you may have prevented this injury: Only tie-off to structurally sound cleats or anchor points.

The wood piers that were holding it up were extremely deteriorated. Apparently, the second dolphin is also unstable, and should probably be removed before it damages property. It is also a safety hazard.

Witnesses (Complete for all incident types):

Witness Information (First Witness)
Name: _____
Employee Number (ERRG): _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Witness Information (Second Witness)
Name: _____
Employee Number (ERRG): _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Property Damage (Complete for Property Damage incidents only):

Property Damaged: Dolphin at Dry Dock 3 Property Owner: US Navy
Damage Description: dolphin deteriorated due to wood piers
Estimated Amount: $ unknown

Spill or Release (Complete for Environmental/Permit Issue incidents only):

Describe Environmental or Permit Issue: _____
Permit Type: _____
Permitted Level or Criteria (e.g., discharge limit): _____
Permit Name and Number (e.g., NPDES No. ST1234): _____
Substance and Estimated Quantity: _____
Duration of Permit Exceedence: _____

Injury information (Complete for Injury/Illness incidents only)

If ERRG Employee injured Male ☐ Female ☐ Multiple Injuries/Illnesses ☐ (Add in Additional Comments below))
Employee Name: _____ Employee Number: _____ DOB: ____/____/____
Social Security #: _____ Telephone Number: _____ Marital Status: _____
Address (Number, Street, City, State, Zip): _____
Date of Hire: ____/____/____ Occupation (Job Title): _____

If ERRG Subcontractor employee injured
Employee Name: _____ Company: _____
Subcontract Contract: _____ Phone number: _____

Injury Type

- ☐ Allergic Reaction
- ☐ Amputation
- ☐ Asphyxia
- ☐ Bruise / Contusion / Abrasion
- ☐ Burn (Chemical)
- ☐ Burn / Scald (Heat)
- ☐ Cancer
- ☐ Carpal Tunnel
- ☐ Concussion
- ☐ Cut / Laceration
- ☐ Dermatitis
- ☐ Dislocation
- ☐ Electric Shock
- ☐ Foreign Body in eye
- ☐ Fracture
- ☐ Freezing / Frost Bite
- ☐ Headache
- ☐ Hearing Loss
- ☐ Heat Exhaustion
- ☐ Hernia
- ☐ Infection
- ☐ Irritation to eye
- ☐ Ligament Damage
- ☐ Multiple (Specify)
- ☐ Muscle Spasms
- ☐ Other (Specify)
- ☐ Poisoning (Systemic)
- ☐ Puncture
- ☐ Radiation /Effects
- ☐ Strain / Sprain
- ☐ Tendonitis
- ☐ Wrist Pain

Part of Body Injured

- ☐ Abdomen
- ☐ Ankle(s)
- ☐ Arms (Multiple)
- ☐ Back
- ☐ Blood
- ☐ Body System
- ☐ Buttocks
- ☐ Chest / Ribs
- ☐ Ear(s)
- ☐ Elbow(s)
- ☐ Eye(s)
- ☐ Face
- ☐ Finger(s)
- ☐ Foot / Feet
- ☐ Hand(s)
- ☐ Head
- ☐ Hip(s)
- ☐ Kidney
- ☐ Knee(s)
- ☐ Legs(s)
- ☐ Liver
- ☐ Lower (arms)
- ☐ Lower (legs)
- ☐ Lung
- ☐ Mind
- ☐ Multiple (Specify)
- ☐ Neck
- ☐ Nervous System
- ☐ Nose
- ☐ Other (Specify)
- ☐ Reproductive System
- ☐ Shoulder(s)
- ☐ Throat
- ☐ Toe(s)
- ☐ Upper Arm(s)
- ☐ Wrist(s)

Nature of Injury

- ☐ Absorption
- ☐ Bite / Sting / Scratch
- ☐ Cardio-Vascular / Respiratory
- ☐ System Failure
- ☐ Caught in or Between
- ☐ Fall (From Elevation)
- ☐ Fall (Same Level)
- ☐ Ingestion
- ☐ Inhalation
- ☐ Lifting
- ☐ Mental Stress
- ☐ Motor Vehicle Accident
- ☐ Multiple (Specify)
- ☐ Slip or Trip
- ☐ Other (Specify)
- ☐ Overexertion
- ☐ Repeated Motion / Pressure
- ☐ Rubbed / Abraded
- ☐ Shock
- ☐ Struck Against
- ☐ Struck By
- ☐ Work Place Violence

Initial Diagnosis / Treatment Date: _____

Type of Treatment

- ☐ Admission to hospital / medical facility
- ☐ Application of bandages
- ☐ Cold / Heat Compression / Multiple Treatment
- ☐ Cold / Heat Compression / One Treatment
- ☐ First Degree Burn Treatment
- ☐ Heat Therapy / Multiple Treatment
- ☐ Multiple (Specify) _____
- ☐ Heat Therapy / One Treatment
- ☐ Non-Prescriptive medicine
- ☐ None
- ☐ Observation
- ☐ Other (Specify) _____
- ☐ Prescription – Multiple dose
- ☐ Prescription – Single dose
- ☐ Physical Therapy
- ☐ Removal of foreign bodies
- ☐ Skin Removal
- ☐ Soaking therapy – Multiple Treatment
- ☐ Soaking Therapy – One Treatment
- ☐ Stitched / Sutures
- ☐ Tetanus
- ☐ Treatment for infection
- ☐ Treatment of 2nd / 3rd degree burns
- ☐ Use of Antiseptic – multiple treatment
- ☐ Use of Antiseptic – single treatment
- ☐ Whirlpool bath therapy / multiple treatment
- ☐ Whirlpool therapy / single treatment
- ☐ X-rays negative
- ☐ X-rays positive / treatment of fracture

Number of days doctor required employee to be off work: _____
Number of days doctor restricted employee's work activity: _____

Physician Information

Name: _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Hospital Information

Name: _____
Address: _____
City: _____
Zip Code: _____
Phone: _____

Additional Comments:

With respect to the wharf damage, ERRG believes that nobody struck it with a barge. It is more likely that the soil upon which the piles are sitting is compromised by currents and heavy traffic in the vicinity. The entire structure is very deteriorated, and it is thought that two or three of the piles shifted (settled) a bit, causing the damage that is see in the photos. A slight shift at the base of these piles would translate into a noticeable deflection at the top. Also, the portion of the wharf that shifted is top-heavy due to a concrete block affixed to top. This increases the tendency for this structure to overturn if the foundation is destabilized. Hopefully, it will not shift anymore. We'll check it periodically and let you know if the condition worsens.

John Sourial will be speaking with the Navy ROICC and PM today to determine whether or not they want ERRG to pay for replacement or remove the damage.

Reviewed By: Heather Wollenburh, SSHO Date: 4/21/11

Approved By: Edward Grooman, H&S Manager Date: 4/22/11

Root Cause Analysis Form

Incident Title: Dolphin Toppled Over **Project No.** 29-141

Location: Hunters Point Naval Shipyard, San Francisco, CA **Date:** 4/22/11

Root Cause Analysis (RCA)

Root Cause Categories (RCC): Select the RCC numbered below that applies for the root cause (RC) and/or contributing factor (CF) in the first column, then describe the specific root cause and corrective actions in each column. Indicate whether it is a root cause or causal factor by checking one of the boxes to the right of this information.

1. Lack of knowledge or training
2. Lack of, or inadequate, operational procedures or work standards (SOPs)
3. Inadequate communication of expectations regarding procedures or work standards
4. Inadequate tools or equipment
5. Equipment failure
6. Inadequate pre-planning of project
7. Management failure to actively oversee and control project work flow
8. Personnel failure to follow policies, procedures or operational standards
9. Uncontrollable factor (Fire, lightning, flood, animals, reptiles, etc.)

RCC #	Root Cause(s)	Corrective Actions	RC[1]	CF[2]	Due Date	Completion Date	Date Verified
9	Age of piles and current undercutting from nearby vessels	Remove dolphin	✓		Unknown	Unknown	Unknown
		Review using other dolphin					

[1] RC = Root Cause; [2] CF = Contributing Factors (check which applies)

Investigation Team Members

Name	Job Title	Date
Heather Wollenburg	Site Safety Officer	4/21/11

Results of Solution Verification and Validation

No tie-ups to dolphins allowed at this time.

Reviewed By

Name	Job Title	Date
Edward Grooman	Health and Safety Manager	4/22/11

Determination of Root Cause(s)

For minor losses or near misses the information may be gathered by the supervisor or other personnel immediately following the loss. Based on the complexity of the situation, this information may be all that is necessary to enable the investigation team to analyze the loss, to determine the root cause, and to develop recommendations. More complex situations may require the investigation team to revisit the loss site or re-interview key witnesses to obtain answers to questions that may arise during the investigation process.

Photographs or videotapes of the scene and damaged equipment should be taken from all sides and from various distances. This point is especially important when the investigation team will not be able to review the loss scene.

The investigation team must use the Root Cause Analysis Flow Chart to assist in identifying the root cause(s) of a loss. Any loss my have one or more "root causes" and "contributing factors". The "root cause" is the primary or immediate cause of the incident, while a "contributing factor" is a condition or event that contributes to the incident happening, but is not the primary cause of the incident. Root causes and contributing factors that relate to the *person* involved in the loss, his other peers, or the supervisor should be referred to as "personal factors". Causes that pertain to the *system* within which the loss or injury occurred should be referred to as "job factors".

Personal Factors

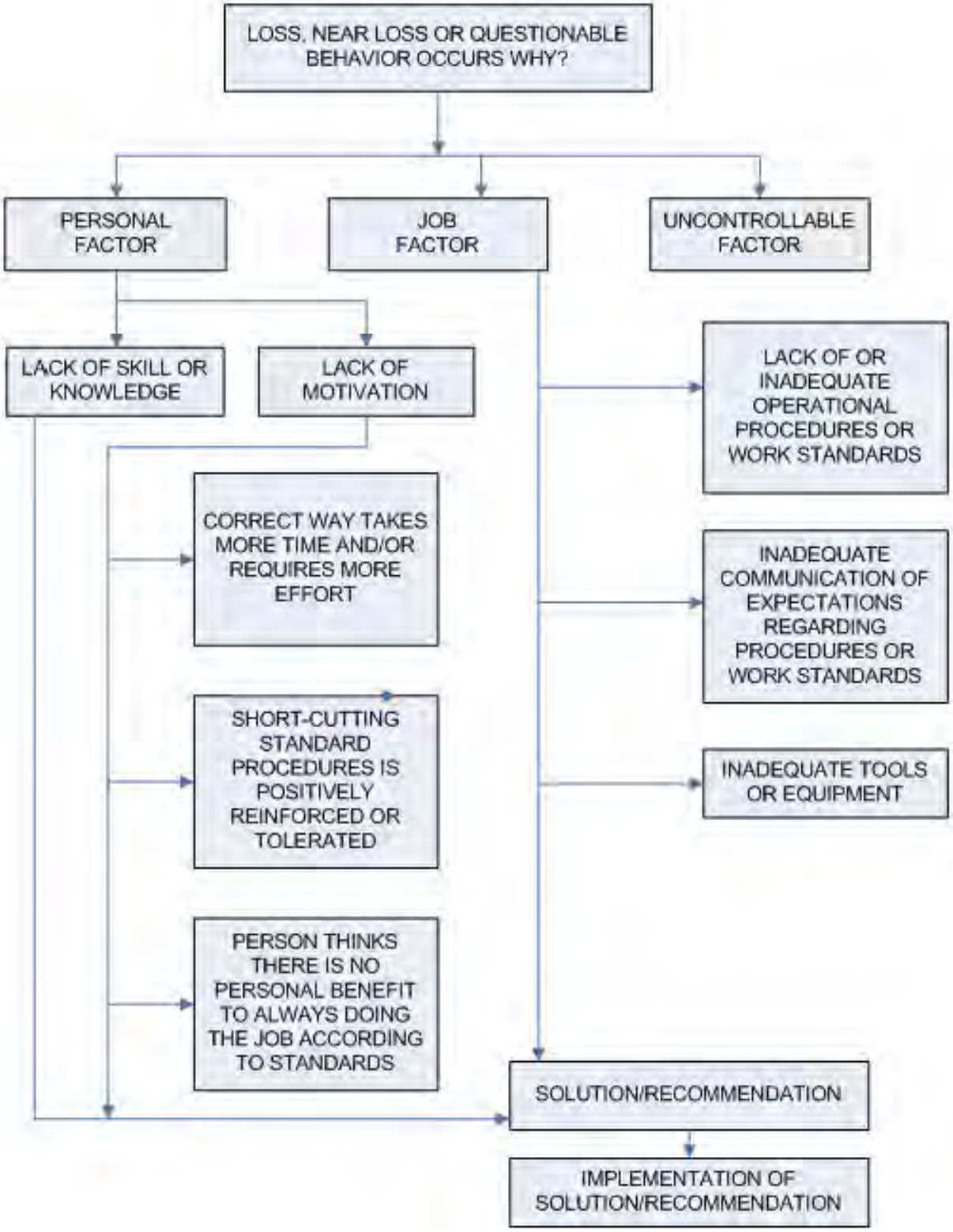
- Lack of skill of knowledge
- Correct way takes more time and/or requires more effort
- Short-cutting standard procedures is positively reinforced or tolerated
- Person thinks that there is no personal benefit to always doing the job according to standards

Job Factors

- Lack of or inadequate operational procedures or work standards
- Inadequate communication of expectations regarding procedures or standards
- Inadequate tools or equipment

The root cause(s) could be any one or combination of these seven possibilities or some other "uncontrollable factor". In the vast majority of losses, the root cause is very much related to one or more of these seven factors. Uncontrollable factors should be used rarely and only after a through review eliminates "all" seven other factors.

Root Cause Analysis
Flow Chart



CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 20/APR/11

REPORT NO 113

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using belly dump trucks and offroad dump trucks. Continued spreading and compacting first lift of cover soil across the
	entire site. Performed compaction tests on 1st lift of cover. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Tests of 1st lift in G5, H6, I6, I5, H5, H4, & G2 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	A dolphin was damaged and sunk when one of our barging subcontractor's marine vessels was tying off to it. No injuries were incurred.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/20/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 04/20/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being in 6” compacted lifts
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Failing compaction tests performed on 4/20 will be retested to meet this requirement.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Failing compaction tests performed on 4/20 will be retested to meet this requirement.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**				
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**				
Are retests located within 10 feet of the previous test location	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration					

QC Manager: Elizabeth Binning	Date: 04/20/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Gauge No. MC3				
Date/Time 4/20/11	Job No. 29-141	Project/Location HPS 1R-07+-18	Source Material Am-241 / Cs-137	Density Std. 25911
Inspector E. Binning	Project Engineer E. Binning	Other		Moisture Std 17255
Curve No. BS-D1A-05	Max. Density (PCF) 102.5	Min. Density (PCF)	Optimum Water (%) 14.9	Equipment in Use Smooth drum compactor
Specified % Compaction 90%	Specified % Water +/- 3%		Lab Test Method ASTM D-1557	Field Test Method ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
1		6"	109.0	11.8	97.2	12.1	95	E5	-1.5
2		6"	111.9	13.1	98.8	13.3	96	D5	-1.5
3		6"	114.5	13.8	100.7	13.7	98	F5	-1.5
4	*	6"	99.5	8.3	91.1	9.2	89	G5	-2.5
5		6"	111.8	15.5	96.3	16.1	94	G6	-2.5
6	*	6"	100.6	9.3	91.3	10.2	89	H6	-2.5
7	*	6"	118.7	21.4	97.3	22.0	95	I6	-2.5
8	*	6"	104.4	9.9	94.6	10.4	92	I5	-2.5
9	*	6"	101.9	8.7	93.2	9.4	91	H5	-2.5
10	*	6"	101.4	10.7	90.7	11.9	88	H4	-2.5
11		6"	107.9	11.8	96.1	12.2	94	H3	-2.5
		Average							

Remarks: Tests 4, 6, 7, 8, 9, 10 failed ~~ethod~~ compaction or did not meet the moisture content specifications

Inspector: _____ Reviewed: _____

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

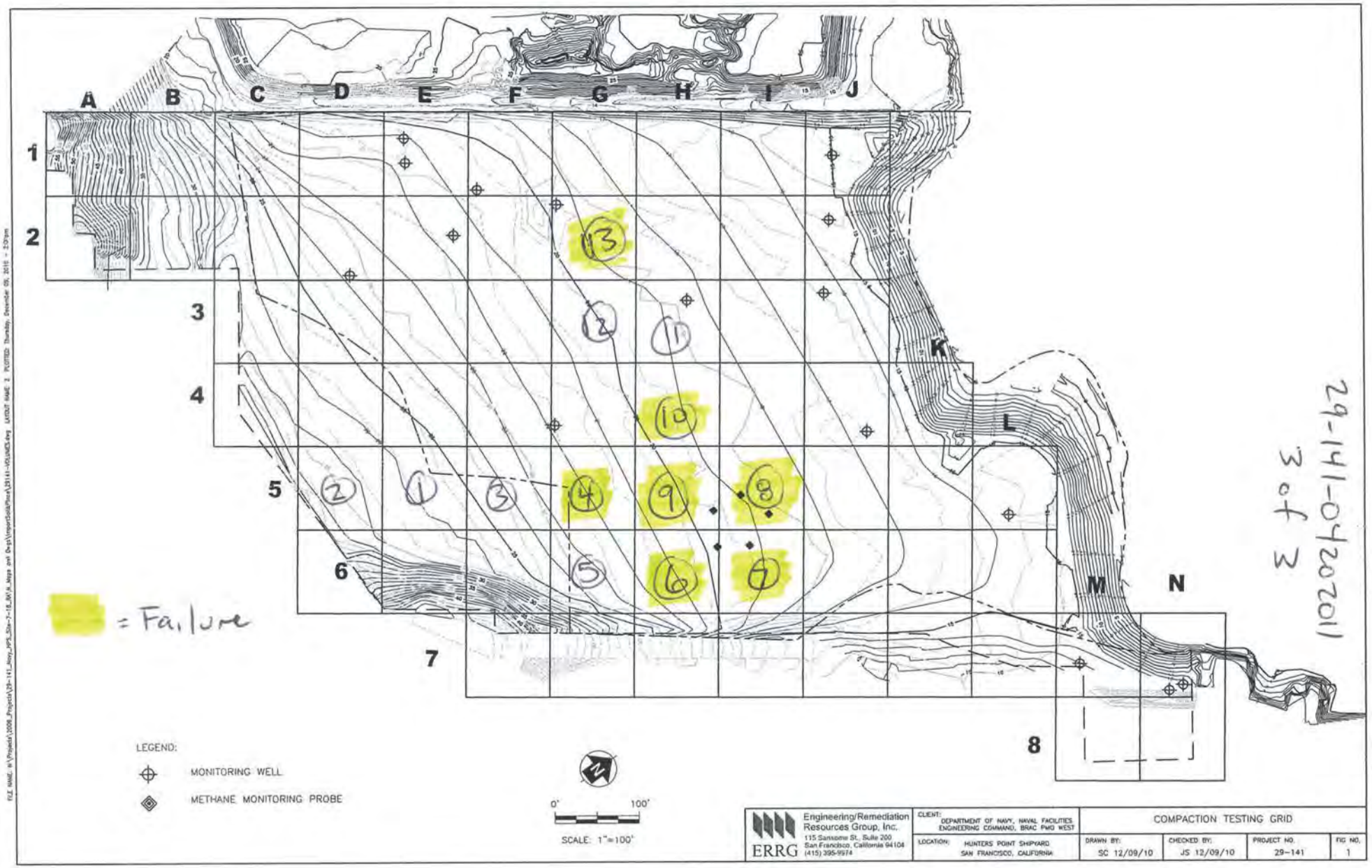
Gauge No. MC3				
Date/Time 4/20/11	Job No. 29-141	Project/Location HPS-1R-07-18	Source Material Am-241 / Cs-137	Density Std. 25911
Inspector E. Binning	Project Engineer E. Binning	Other		Moisture Std 17255
Curve No. BS-DIA-05	Max. Density (PCF) 102.5	Min. Density (PCF)	Optimum Water (%) 14.9	Equipment in Use Smooth Drum
Specified % Compaction 90 %	Specified % Water +/- 3 %		Lab Test Method ASTM D-1557	Field Test Method ASTM D-2922 ASTM D-3017

Gauge Readings

Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
12		6"	112.0	11.9	100.1	11.9	98	G3	-2.5'
13	*	6"	118.7	24.1	94.6	25.5	92	G2	-2.5'
Average									

Remarks: Test 13 did not meet the moisture content requirements. Note, it was raining when ~~that~~ test 13 was performed.

Inspector: _____ Reviewed: _____



29-141-042011
3 of 3

Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9974 ERRG	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	COMPACTION TESTING GRID		
		DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141
				FIG NO. 1

FILE NAME: w:\Projects\2008_Projects\29-141_Navy_HPS_52a-7-18_BAY_N_Maps and Docs\Compaction\29141-GRIDLINES.dwg LAYOUT NAME: 2 PLOTTED: Thursday, December 09, 2010 - 2:37pm

Photo 1: Cover Installation – Hauling soil from Dry Dock 3 via belly dump trucks to IR-07 & -18.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 20, 2011

Photo 2: Cover Installation – Hauling soil from Dry Dock 3 via offroad dump trucks to IR-07 & -18.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 20, 2011

Photo 3: Cover Installation – Placing and spreading first lift of soil from the Decker Island backfill source across the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 20, 2011

Photo 4: Cover Installation – Compacting the first lift of soil from the Decker Island backfill source across the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 20, 2011

Photo 5: Cover Installation – Compaction testing of the first lift of soil across the site.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 20, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 21/APR/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	114

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey / James Nores

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny, clear	60	49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. Two barges today.	ERRG	1	Construction Manager/Superintendent	11
	Using 3 offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	26
	Place material on the cap in the initial 1 foot cover areas, spread and compact.	ERRG	1	QC Manager	13
		ERRG	1	H&S Manager	13
		ERRG	1	QC Staff	23
		ERRG	3	Truck Drivers	46
		ERRG	4	Equipment Operators	46
		ERRG	1	Laborer	23
		ERRG	1	Project Manager	8
		Jerico	4	Marine Subcontractor	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	242.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	14819.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	15062

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Select Fill (177 loads)

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	4K water truck - 1ea	12
	Harris Blade	D6R Bulldozer-1ea	12
	Harris Blade	CAT 30 ton articulated offroad dump truck	12
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	12
	Harris Blade	4K water truck - 1 ea	0

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

4/21/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 21/APR/11	REPORT NO: 114 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey / James Nores	
AM WEATHER: Sunny, clear	PM WEATHER: Sunny, clear	MAX TEMP (F): 60	MIN TEMP (F): 49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	12
	Harris Blade	84" Smooth Drum Compactor - 1 ea	12
	harris Blade	Volvo 35 ton articulated offroad dump truck	12
	Harris Blade	Volvo 40 ton articulated offroad dump truck	12

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

4/21/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 4/21/11 **TIME** ~~0600~~ 0700 hrs **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07/18

TYPE OF WORK install soil cover

SAFETY TOPICS PRESENTED

SAFETY TOPICS equipment inspections, slips, trips, falls, dust, speeding

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS slips, trips, falls, heavy equip operation, truck driving

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Rafael Loza	ERRG	Rafael Loza
Vicente Valencia	ERRG	[illegible]
Chris Stack	ERRG	[illegible]
Ken Mark	ERRG	[illegible]
Larry Johnson	ERRG	Larry Johnson
Larry Stack	ERRG	[illegible]
Viliamu Ielei	ERRG	[illegible]
Oscar Orozco	ERRG	Oscar Orozco
Guadalupe Trujillo	ERRG	Guadalupe Trujillo
Sergio Asuleau	ERRG	[illegible]
Ty Apm	ERRG	[illegible]
Elizabeth Creek	ERRG	[illegible]
Byng Bailey	ERRG	[illegible]
William Schmidt	ERRG	William Schmidt
Liz Binning	ERRG	[illegible]
Virginia Demetrios	ERRG	[illegible]
James Norris	ERRG	[illegible]

Health & Safety Officer [illegible]

SIGNATURE Heather Wollenburg

SUPERINTENDENT Ty APM

SIGNATURE [illegible]

AIR MONITORING LOG SHEET

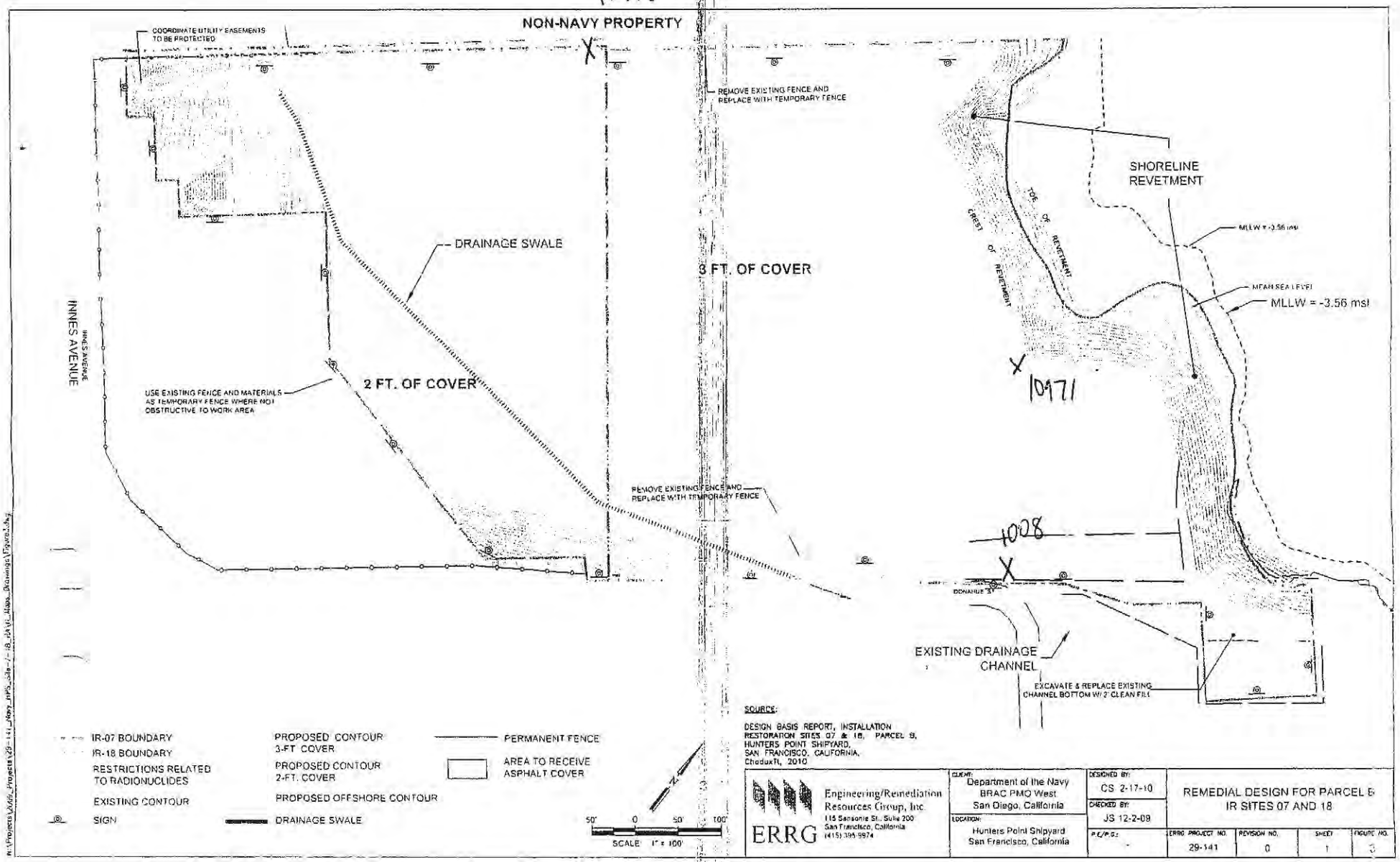
ERRG

Prepared by: H. Wollenberg / E. Creek
Project Name: Hunters Point
Site Location: IR07/18
Calibration (Date and Time): see previous

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used: ~~zero bag~~

Location	Date	Time	conc. Instrument ~~PID~~	TWA DataRAM	Comments
10972	04/21/11	0638	0.097	0.104	setup meters before work begins
10971	04/21/11	0640	0.009	0.015	
1008	04/21/11	0642	0.000	0.000	
1008		0745	0.000	0.000	
10971		0746	0.009	0.011	
10972		0750	0.111	0.100	
1008		0842	0.000	0.000	
10971		0844	0.009	0.012	
10972		0847	0.103	0.102	
10972		0947	0.103	0.103	
10971		0950	0.014	0.012	
1008		0952	0.000	0.000	
10972		1043	0.101	0.103	
10971		1047	0.013	0.012	
1008		1049	0.000	0.000	
1008		1255	0.000	0.000	
10971		1258	0.011	0.012	
~~1008~~ hw		hw 1259	0.123	0.108	
1008		1350	0.000	0.000	
10971		1351	0.020	0.012	
10972		1355	0.135	0.110	
1008		1443	0.000	0.000	
10971		1444	0.014	0.013	
10972		1447	0.129	0.113	
1008		1554	0.000	0.000	
10971		1555	0.013	0.013	
10972		1559	0.127	0.115	
1008		~~1642~~ 1637 ea	0.000	0.000	
10971		1654	0.012	0.012	
10972		1657	0.138	0.117	
1008		1733	0.000	0.000	
10971		1736	0.012	0.013	
10972		1738	0.140	0.119	

4/21/11



SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, CheduxTI, 2010

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California (415) 395-9974	CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 2-17-10	REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
		CHECKED BY: JS 12-2-09	
	LOCATION: Hunters Point Shipyard San Francisco, California	P.E./P.G.: -	ERRG PROJECT NO. 29-141 / REVISION NO. 0 / SHEET 1 / FIGURE NO. 3

N:\Projects\2009_Projects\29-141_Navy_HPS_Site-7-18_RAW_Rdgs_Drawings\Figure3.dwg

DAILY FIELD ACTIVITY LOG

Prepared by: ~~Richard Epp~~ hw Heather Wollenburg
RG Day: Thursday
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: overcast, dry
Site Visitors: See Tailgate Sign In Log
Client: Dept of the Navy
Date: 4/21/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 Safety stand down to discuss community, noise, dust, track out, safety, equipment inspections, speed. Reviewed AHAs & safety tailgate
- install 3 dust meters

(NO NOISE)

Notices from Navy: no work before 7a, ensure barge crew are wearing PFDs, dust, no track out. Notify ROICC for every near miss and incidents

Navy decided dolphin does not need to be replaced. Barge crew (Jerico) told not to tie off to anything w/o first verifying integrity.

1730 stop, demob

1830 offsite

Equipment in use: 4K water truck, 3 articulated dump trucks, 2 dozers (1 is LGP), 1 loader, 1:84" compacter, 3:250 trucks

Signed: [signature] Date: 4/21/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 21/APR/11

REPORT NO 114

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first lift of cover soil across the entire site. Continued
	performing compaction tests on 1st lift of cover. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Tests of 1st lift in J1, I1, H2, J3, C4, D4, J4, K5, D6, E6,
	and F6 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Retested and acheived compaction in 1st lift of G2, H4, I5, H5,
	G5, H6, and I6.

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/21/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 04/21/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20 and 4/21 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20 and 4/21 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13 and 4/21.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13 and 4/21.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13 and 4/21.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20 and 4/21 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			
Are retests located within 10 feet of the previous test location	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 04/21/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 4/21/11	Job No. 29-141	Project/Location HPS IR-07+-18	Source Material Am-241 / Cs-137	Density Std. 25911
Inspector W. Schmidt	Project Engineer E. Binning	Other		Moisture Std 17255
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-05	102.5		14.9 %	smooth Drum compactor
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90 %	+/- 3 %		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
14	*	6"	113.3	17.3	96.0	18.0	94	J-1	-2.5'
15	*	6"	112.3	15.3	97.0	18.6	95	I-1	-2.5'
16		6"	117.8	18.0	99.8	17.9	97	H-1	-2.5'
17		6"	109.8	15.7	94.1	16.7	92	G-1	-2.5'
18		6"	115.3	13.3	102.0	13.0	99	F-1	-2.5'
19		6"	109.0	13.9	96.9	14.3	94	E-1	-2.5'
20		6"	105.3	12.7	92.5	13.7	90	D-1	-2.5'
21		6"	119.0	21.2	97.8	17.8	95	C-1	-2.5'
22		6"	106.6	12.7	93.9	13.5	92	B-1	-1.5'
23	*	6"	95.0	11.0	84.0	13.1	82	A-1	-1.5'
24		6"	106.5	12.9	93.5	13.8	91	A-2	-1.5'
		Average							

Remarks: Tests 14 + 15 failed due to high moisture.
Test 23 failed due to low compaction

Inspector: _____ Reviewed: _____

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 4/21/11	Job No.: 29-141	Project/Location: HRS IR-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 25911
Inspector: W. Schmidt	Project Engineer: E. Binning	Other:		Moisture Std: 17255
Curve No.: BS-DIA-05	Max. Density (PCF): 102.5	Min. Density (PCF):	Optimum Water (%): 14.9	Equipment in Use: smooth drum compactor
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
25		6"	107.2	12.6	94.6	13.3	92	B-2	-1.5'
26		6"	110.5	12.1	98.4	12.3	96	C-2	-2.5'
27		6"	105.7	12.4	93.3	13.3	91	D-2	-2.5
28		6"	114.3	12.0	102.3	11.9	100	E-2	-2.5'
29		6"	114.4	17.3	97.1	17.8	95	F-2	-2.5'
30	13R	6"	111.5	17.0	94.6	17.9	92	G-2	-2.5'
31	*	6"	117.7	25.2	92.5	27.2	90	H-2	-2.5'
32		6"	111.3	16.9	94.4	17.8	92	I-2	-2.5'
33		6"	116.2	15.8	100.4	15.7	98	J-2	-2.5'
34	*	6"	114.1	19.0	96.1	18.6	93	J-3	-2.5'
35		6"	110.0	11.9	98.2	13.1	95	I-3	-2.5'
		Average							

Remarks: Test 30 is a retest of test 13. Tests 31 & 34 failed due to high moisture.

Inspector: _____ Reviewed: _____

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 4/21/11	Job No. 29-141	Project/Location HPS IR-07+18	Source Material Am-241 / Cs-137	Density Std. 25911
Inspector W. Schmidt	Project Engineer E. Biming	Other		Moisture Std 17255
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-D1A-05	102.5		14.9%	smooth drum compactor
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
36		6"	106.4	12.7	93.7	13.5	91	F3	-2.5'
37		6"	114.3	14.2	100.1	13.3	98	E3	-2.5'
38		6"	110.3	13.2	97.1	13.6	95	D3	-2.5'
39		6"	114.0	14.1	99.9	14.1	97	C3	~~-2.5'~~ -1.5' EB
40	23R	6"	109.4	14.0	95.4	14.7	92	A1	-1.5'
41	*	6"	128.6	21.7	106.9	20.3	104	C4	-1.5'
42	*	6"	118.0	21.7	96.3	22.5	94	D4	-1.5'
43		6"	112.0	12.1	99.9	12.0	98	E4	-2.5'
44		6"	111.7	13.1	98.5	13.3	96	F4	-2.5'
45		6"	111.2	14.5	96.6	15.0	94	G4	-2.5'
46	10R	6"	114.5	17.0	97.4	17.5	95	H4	-2.5'
		Average							

Remarks: Tests 41 + 42 failed due to high moisture. Test 40 is a retest of test 23. Test 46 is a retest of test 10.

Inspector: _____ Reviewed: _____

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. / Density Std.
4/21/11	29-141	HPS 1R-07+-18	Am-241 / Cs-137	Gauge No. MC3 / Density Std. 25911
Inspector	**Project Engineer**	**Other**		**Moisture Std**
W. Schmidt	E. Binning			17255
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Equipment in Use**
BS-DIA-05	102.5		14.9	smooth drum compactor
Specified % Compaction	**Specified % Water**		**Lab Test Method**	**Field Test Method**
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	**Retest**	**Test Depth**	**Total Density**	**Total Water**	**Dry Density**	**% Water**	**%Proctor (% compact)**	**Location**	**Elevation**
47		6"	107.7	13.5	94.2	14.3	92	I4	-2.5'
48	*	6"	111.6	17.1	94.4	18.1	92	J4	-2.5'
49		6"	111.9	15.1	96.9	15.6	94	K4	-2.5'
50		6"	107.7	13.3	94.5	14.1	92	L5	-2.5'
51	*	6"	120.0	18.7	101.3	18.0	99	K5	-2.5'
52		6"	107.1	12.0	95.0	12.8	93	J5	-2.5'
53	8R	6"	106.6	11.8	94.8	12.5	93	I5	-2.5'
54	9R	6"	103.2	11.1	92.2	11.9	90	H5	-2.5'
55	4R	6"	116.5	16.7	99.8	16.7	97	G5	-2.5'
56	*	6"	117.7	18.6	99.1	19.3	96	D6	-2.5'
57	*	6"	119.3	19.6	99.7	18.5	97	E6	-2.5'
		Average							

Remarks: Tests 48, 51, 56, 57 failed ~~for~~ ~~com~~ due to high moisture. Test 53 is a retest of test 8, test 54 is a retest of test 9, + test 55 is a retest of test 4.

Inspector: _____ Reviewed: _____

ERRG

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Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

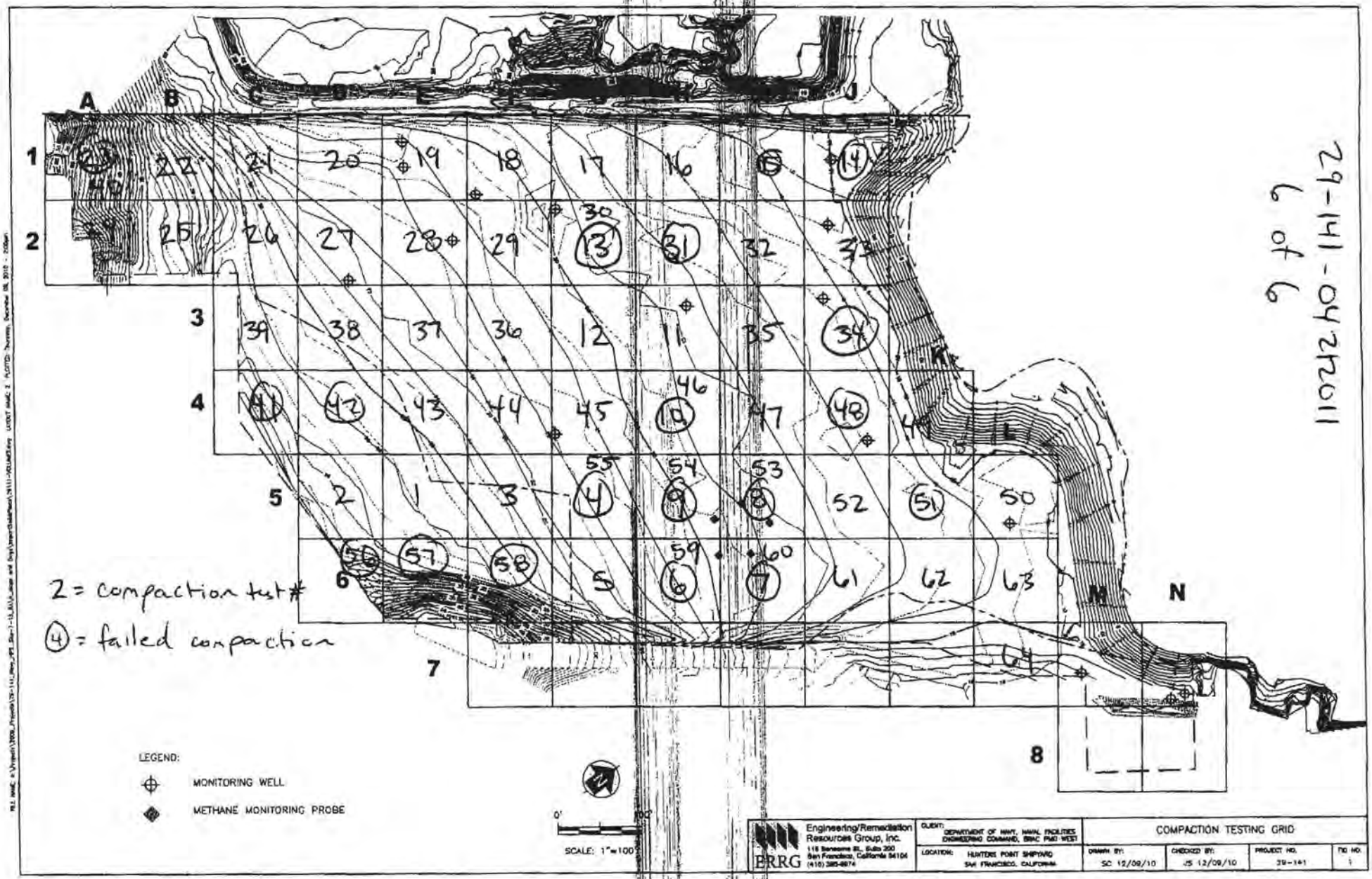
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No.
4/21/11	29-141	HPS IR-07+-18	Am-241 / Cs-137	MC3
Inspector	**Project Engineer**	**Other**		**Density Std.**
W. Schmidt	E. Binning			25911
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Moisture Std**
BS-DIA-05			14.9	17255
Specified % Compaction	**Specified % Water**		**Lab Test Method**	**Equipment in Use**
90%	+/- 3%		ASTM D-1557	smooth drum compactor
				Field Test Method
				ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	**Retest**	**Test Depth**	**Total Density**	**Total Water**	**Dry Density**	**% Water**	**%Proctor (% compact)**	**Location**	**Elevation**
58	*	6"	103.7	12.7	91.0	13.3	~~89~~	EB F6	-2.5'
59	6R	6"	105.3	11.9	93.4	12.5	91	H6	-2.5'
60	7R	6"	110.1	13.5	96.6	13.9	94	I6	-2.5'
61		6"	105.9	12.0	93.9	12.4	91	J6	-2.5'
62		6"	108.2	13.2	95.0	13.9	93	K6	-2.5'
63		6"	107.9	14.6	93.3	15.6	91	L6	-2.5'
64		6"	109.6	15.7	91.9	17.1	91	L7	-2.5'
		Average							

Remarks: Test# 59 is a retest of test 6. Test 60 is a retest of test 7. Test 58 failed compaction

Inspector: _____ Reviewed: _____



29-141-04272011
6 of 6

Moisture Content and Sand Cone Samples

Prepared by: E. Binning
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 4/21/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-01	30	G2	-2.5	17.9	7118	1316
HPS-MC-02	34	J3	-2.5	18.6	6971	1680
HPS-MC-03	16	H1	-2.5	17.9	7092	2144
HPS-MC-04	47	I4	-2.5	14.3	7269	1924
HPS-MC-05	60	I6	-2.5	13.9	7233	1938

Photo 1: Cover Installation – Spreading cover soil on southeast slope of IR-18.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 21, 2011

Photo 2: Cover Installation – Compacted first lift of cover soil on IR-07 & -18.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 21, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 22/APR/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 115

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey / James Nores

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Overcast	Overcast	58	48

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. One barge today.	ERRG	1	Construction Manager/Superintendent	4
	Using 3 offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	15.5
	Place material on the cap in the initial 1 foot cover areas, spread and compact.	ERRG	1	QC Manager	8.5
		ERRG	1	H&S Manager	8.5
		ERRG	1	QC Staff	16
		ERRG	5	Truck Drivers	36
		ERRG	4	Equipment Operators	32.5
		ERRG	1	Laborer	12
		ERRG	1	Project Manager	8.5
		Jerico	4	Marine Subcontractor	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	181.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	15062
TOTAL WORK HOURS FROM START OF CONSTRUCTION	15243.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Select Fill (120 loads)

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	4K water truck - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 30 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Harris Blade	4K water truck - 1 ea	4

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

4/22/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 22/APR/11	REPORT NO: 115 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey / James Nores	
AM WEATHER: Overcast	PM WEATHER: Overcast	MAX TEMP (F): 58	MIN TEMP (F): 48

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8.5
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Volvo 40 ton articulated offroad dump truck	8

Schedule Activity No.	REMARKS

James Nores — CONTRACTOR/SUPERINTENDENT

4/22/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 4/22/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07/18

TYPE OF WORK install soil cover

SAFETY TOPICS PRESENTED leaks, damage

SAFETY TOPICS equipment inspections, truck tracking, dust, speeds, community

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS Slips, trips, falls, heavy equipment operation

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente VALENCIA	ERRG	[signature]
Sergio Aguilar	ERRG	[signature]
Guadalupe Tavarillo	ERRG	[signature]
Villanueva Lelei	ERRG	[signature]
Rafael Loza	ERRG	[signature]
Larry Johnson	ERRG	[signature]
Chris Stack	ERRG	[signature]
Oscar Oran	ERRG	[signature]
Ken Mark	ERRG	[signature]
James Nores	ERRG	[signature]
Larry Stack	ERRG	[signature]
Elizabeth Creel	ERRG	[signature]
JOHN SOURIAL	ERRG	[signature]
Bing Bailey	ERRG	[signature]
Liz Binning	ERRG	[signature]
David Lubiszewski	EEC	[signature]
Tyson Appel	ERRG	[signature]

Health & Safety Officer H. Wollenburg

SIGNATURE [signature]

SUPERINTENDENT Bing Bailey

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenberg | Client: Dept of the Navy
Day: Friday | Date: 4/22/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots | Project No.: 29-141
Weather: overcast | Page: 1 of
Site Visitors: See Tailgate Sign In Log.

Description of Field Activities: continue import & place fill on IR07/18

0700 Safety stand down (same issues as yesterday) no mechanic work bt 7A or after 7PM. PPE at all times, no dust → slow down in cover area

0800 HW spoke w/ skipper (Travis) w/ Jerico regarding the following ① Excavator w/ clam swing radius ② soil off conveyer ③ PFD ④ general safety & awareness

1300 continue placing 1' soil cover over entire area & on hillside

1530 crew offsite except Larry — cutting Dirt on hill

1545 Larry offsite

Equipment ~~onsite~~ used him: 1: 4k Water Truck, 2 Dozers, 3 articulated dump trucks, 1: 84" compactor, 1: loader

Signed: [signature] Date: 4/22/11

AIR MONITORING LOG SHEET

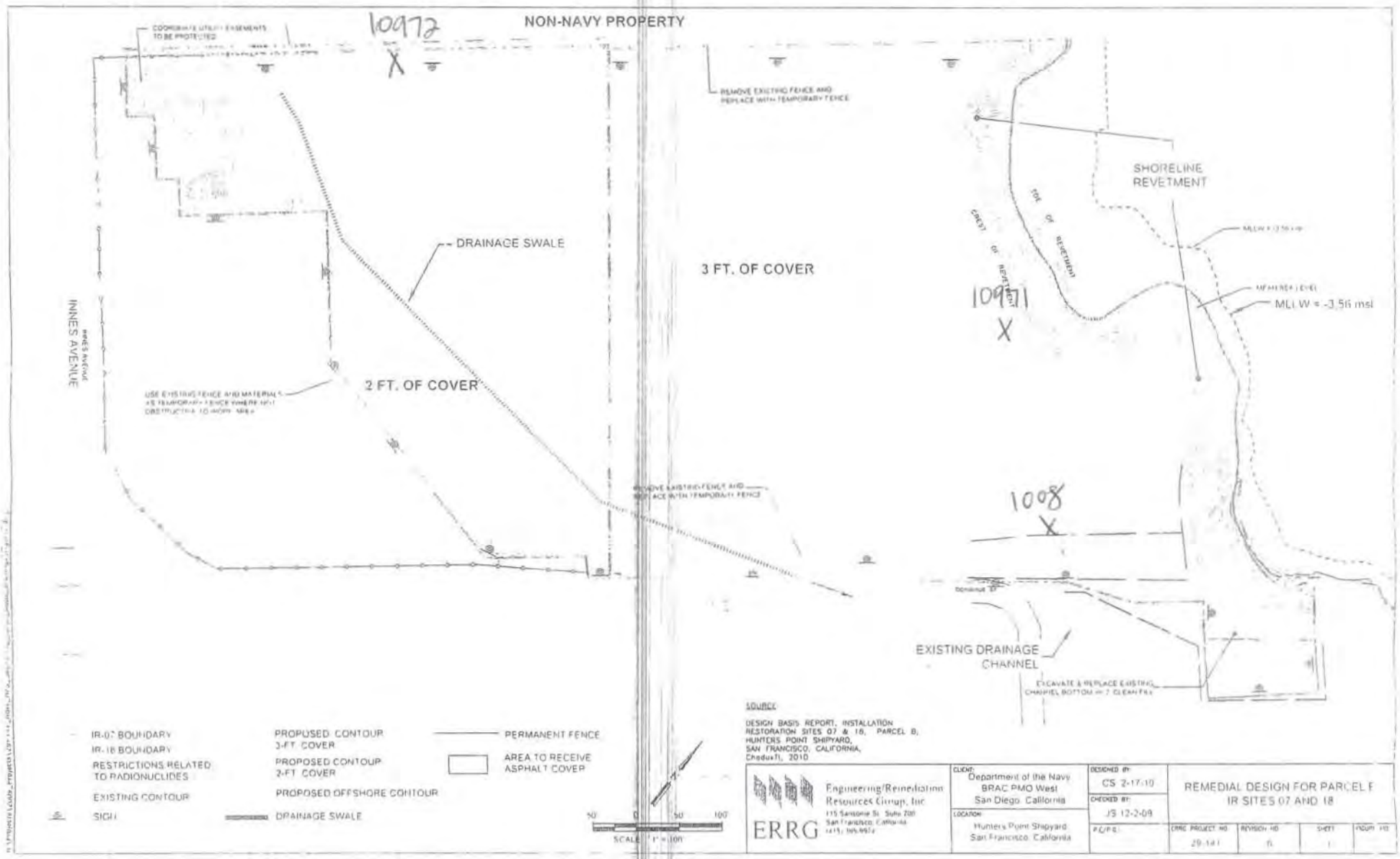
ERRG

Prepared by: H.Wollenburg/E.Creek
Project Name: HPNS IR07 11X
Site Location: Hunters Point
Calibration (Date and Time): See previous sheets

Client: USNAVY
Project No.: 29-741
Page: 1 of 1
Standard Used: 740 bag

Location	Date	Time	Conc. Instrument TWA ~~PID~~	DataRAM	Comments
1008	4/22/11	0718	0.000	0.000	
10971		0721	0.029	0.035	
10972		0728	0.101	0.110	
1008		0835	0.000	0.000	
10972		0840	0.120	0.103	~~[illegible]~~
10971		0850	0.027	0.031	PDR off@ 0838, change battery@ 0845
1008		0937	0.000	0.000	
10971		0938	0.012	0.024	
10972		0941	0.095	0.107	
1008		1036	0.000	0.000	
10971		1037	0.026	0.023	
10972		1040	0.115	0.106	
1008		1138	0.000	0.000	
10971		1139	0.026	0.024	
10972		1142	0.098	0.107	
1008		1235	0.000	0.000	
10971		1236	0.024	0.024	
10972		1239	0.128	0.105	
1008		1341	0.000	0.000	PDR off@ 1335, change battery 1340
10971		1343	0.023	0.023	
10972		1345	0.096	0.109	
1008		1440	0.000	0.000	
10971		1441	0.025	0.023	
10972		1447	0.121	0.109	
10972		1542	—	—	PID off@1542
10971		1547	0.042	0.024	
1008		1548	0.029	0.000	

4/22/11



SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadux11, 2010

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St. Suite 200 San Francisco, California (415) 395-9972	CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 2-17-10	REMEDIAL DESIGN FOR PARCEL E IR SITES 07 AND 18
	LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 12-2-09	
		P.C./P.E.:	ERRG PROJECT NO. 29-141 · REVISION NO. 6 · SHEET 1 · FIGURE NO.

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Case 330 Haul Truck **Identification Number:** _____

Project Number / Name: Hunters Point 29-141 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects									4-21-11 CS			4-22-11 CS			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	Transmission Fluid & oil level over full
Tracks	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	
Steps and handgrips	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	
Guards on moving parts?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	
Engine belts and hoses	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: Rec'd @ 1800 on 4/20/11 - not operated

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Harris 4K water truck **Identification Number:** 10279

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Mon 4/18/11			Tues 4/19			Wed 4/20			Thur 4/21			Fri 4/22			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	Driver side step bent 4/19/11
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken:

Front bumper Right side bent in 4/19/11
Initial inspection

AFS 525 3001
Driver

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: HB White 4K water truck **Identification Number:** CRS10-414

Project Number / Name: 29-141 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Hrs 2666
	/			/			Wed 4/20 KM			Thu 4/21 KM			Fri 4/22 KM			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken:

Right side below door heat shield dent by exhaust Found during initial Inspection 4/20/11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D-6 Dozer **Identification Number:** _____

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☒ **ERRG** ☐ Larry Johnson

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	4-18-11			4-19-11			4-20-11			4-21-11			4-22-11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Defect(s):
Tires and rims	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Tracks	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☒	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: 6 way not working - Repaired

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: DEN LGP **Identification Number:** AR7N46

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	Mon ZBA			Tues ZBA			Wed ZBA			Thurs ZBA			Fri ZBA			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

Golipe TRUJILLO

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 84" compactor **Identification Number:** _____

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	TUESDAY			WENSDAY			TURSDAY			FRIDAY						
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Defect(s):
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Windshield wipers operative?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Cat 972H Loader **Identification Number:** CX9V38

Project Number / Name: 29-141 HPNS IR07/18 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:							SA 4/20/11			SA 4/21/11			SA 4/22/11			
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Defect(s):
Tires and rims	☐	☐	☐	☐	☐	☐	☒	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☑	☐	☐	☑	☐	
Steps and handgrips	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG WILL LEIE;

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD **Identification Number:** DT06-19

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	WEDNSDAY			TUESDAY			FRIDAY									Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: DAMAGE STAIRS RIGHT SIDE N CRACK WINDOW D LEFT SIDE

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD ~~ADT~~ **Identification Number:** TG5 x 55

Project Number / Name: 29-141 [redacted] HF [redacted] **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
							WED-20			THEU-21			FRI-May 22			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 22/APR/11

REPORT NO 115

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first lift of cover soil across the entire site. Continued
	performing compaction tests on 1st lift of cover. Started performing compaction tests on the 2nd lift. Verified that activities performed conformed to
	the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Tests of 1st lift in J1 failed compaction.
	Tests of 2nd lift in C4 and B2 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Retested and acheived compaction in 1st lift of D6, E6, K5, J4,
	J3, H2, D4, and C4

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/22/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 04/22/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**				To be performed prior to geotextile installation.
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			
Are retests located within 10 feet of the previous test location	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 04/22/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC-3
Date/Time 4-22-11	Job No. 29-141	Project/Location HPS 1R-07-18	Source Material Am-241 / Cs-137	Density Std. 25911
Inspector R. Loza	Project Engineer E. Binning	Other		Moisture Std 17255
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-05	102.5		14.9	Smooth drum compactor
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	± 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
65	56R	6"	109.4	12.0	97.4	12.3	95%	D-6	1.5'
66	57R	6"	109.2	13.0	96.2	13.5	93	E-6	1.5
67	*5R	6"	104.7	9.9	94.8	10.5	92	K-5	2.5'
68	~~5R~~ 67R	6"	109.1	12.0	97.0	12.4	95	K-5	2.5'
69	48R	6"	109.7	12.1	97.6	12.4	95	J-4	2.5'
70	34R	6"	110.7	14.7	96.0	15.3	94	J-3	2.5
71	14R	6"	98.4	11.5	86.9	13.3	85	J-1	2.5'
72	31R	6"	107.6	11.3	96.4	11.9	94%	H-2	2.5
73	42R	6"	110.0	12.5	97.5	12.7	95%	D-4	1.5
74	41R	6"	105.2	12.0	93.2	12.8	91%	C-4	1.5
		Average							

Remarks: Test 65 is a retest of 56. Test 66 is a retest of 57. Test 67 failed due to low moisture. Test 68 is a retest of 67. Test 69 is a retest of 48. Test 70 is a retest of 34. Test 71 is a retest of 14. Test 72 is a retest of 31. Test 73 is a retest of 42. Test 74 is a retest of 41

Inspector: _____ Reviewed: _____

ERRG

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Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

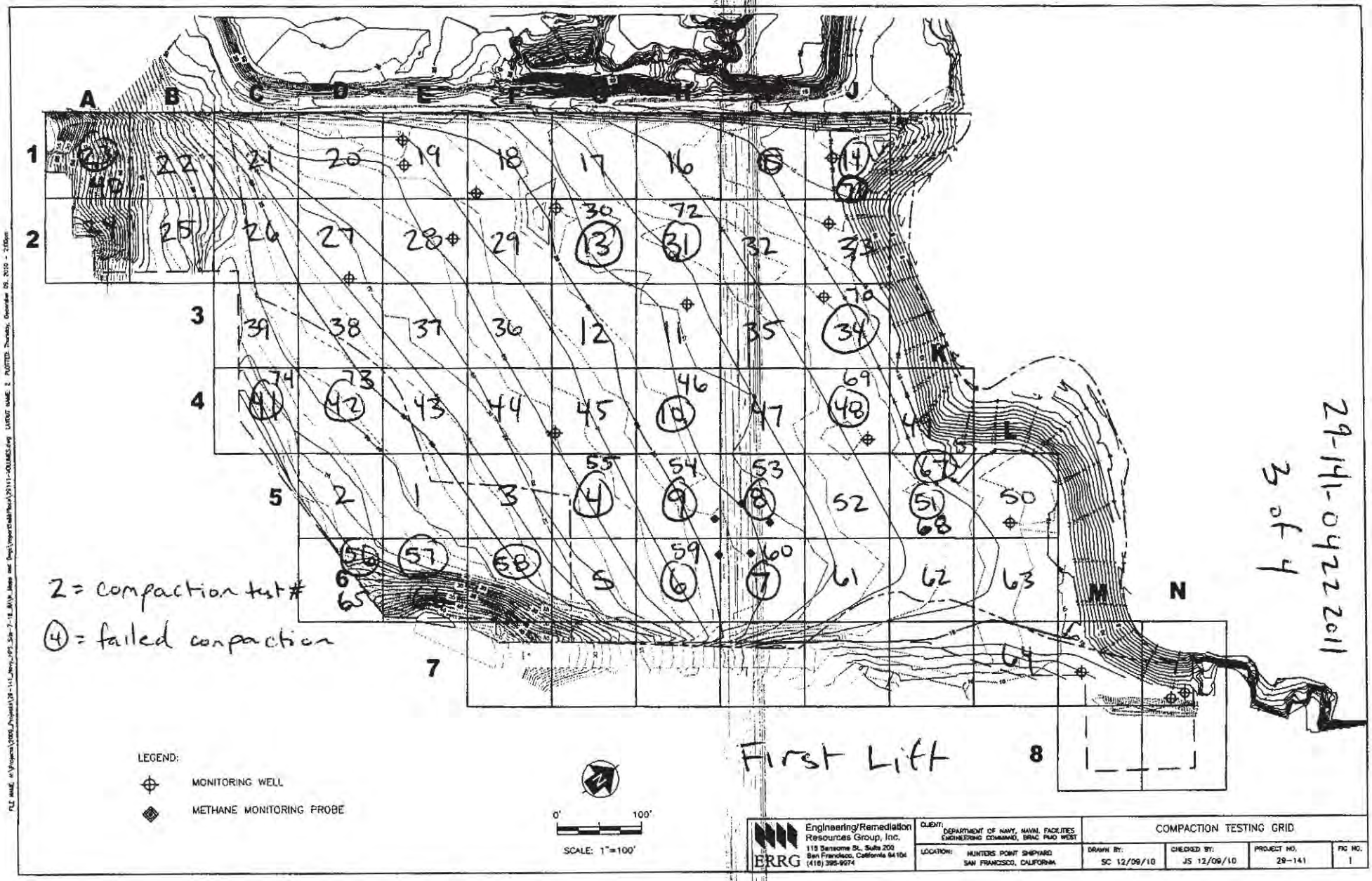
				Gauge No. MC3
Date/Time 4/22/11	Job No. 29-141	Project/Location HPS IR-07 & -18	Source Material Am-241 / Cs-137	Density Std. 25911
Inspector R. Loza	Project Engineer E. Binning	Other		Moisture Std 17255
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-D1A-05	102.5		14.9	smooth drum compactor
Specified % Compaction		Specified % Water	Lab Test Method	Field Test Method
90%		+/- 3%	ASTM D-1557	ASTM D-2922 ASTM D-3017

Gauge Readings

Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
75		6"	105.3	12.8	92.5	13.8	90%	D-3	~~1 Ft~~ 2' EB
76		6"	107.4	12.3	95.1	12.9	93%	C-3	1 Ft
77	*	6"	104.0	10.1	93.9	10.7	92%	C-4	1 Ft
78		6"	106.4	11.6	94.8	12.2	92%	C-2	~~1 Ft~~ 2' EB
79	*	6"	103.5	8.9	94.7	9.3	92%	B-2	1 Ft
80		6"	108.5	12.6	95.9	13.0	94%	C-1	~~1 Ft~~ 2' EB
81		6"	108.9	11.1	97.8	11.9	95%	B-1	1 Ft
82		6"	106.9	12.2	94.7	12.9	92%	A-1	1 Ft
83		6"	107.8	11.7	96.1	12.1	94%	A-2	1 Ft
		Average							

Remarks: Tests 77 & 79 failed due to low moisture.

Inspector: _____ Reviewed: _____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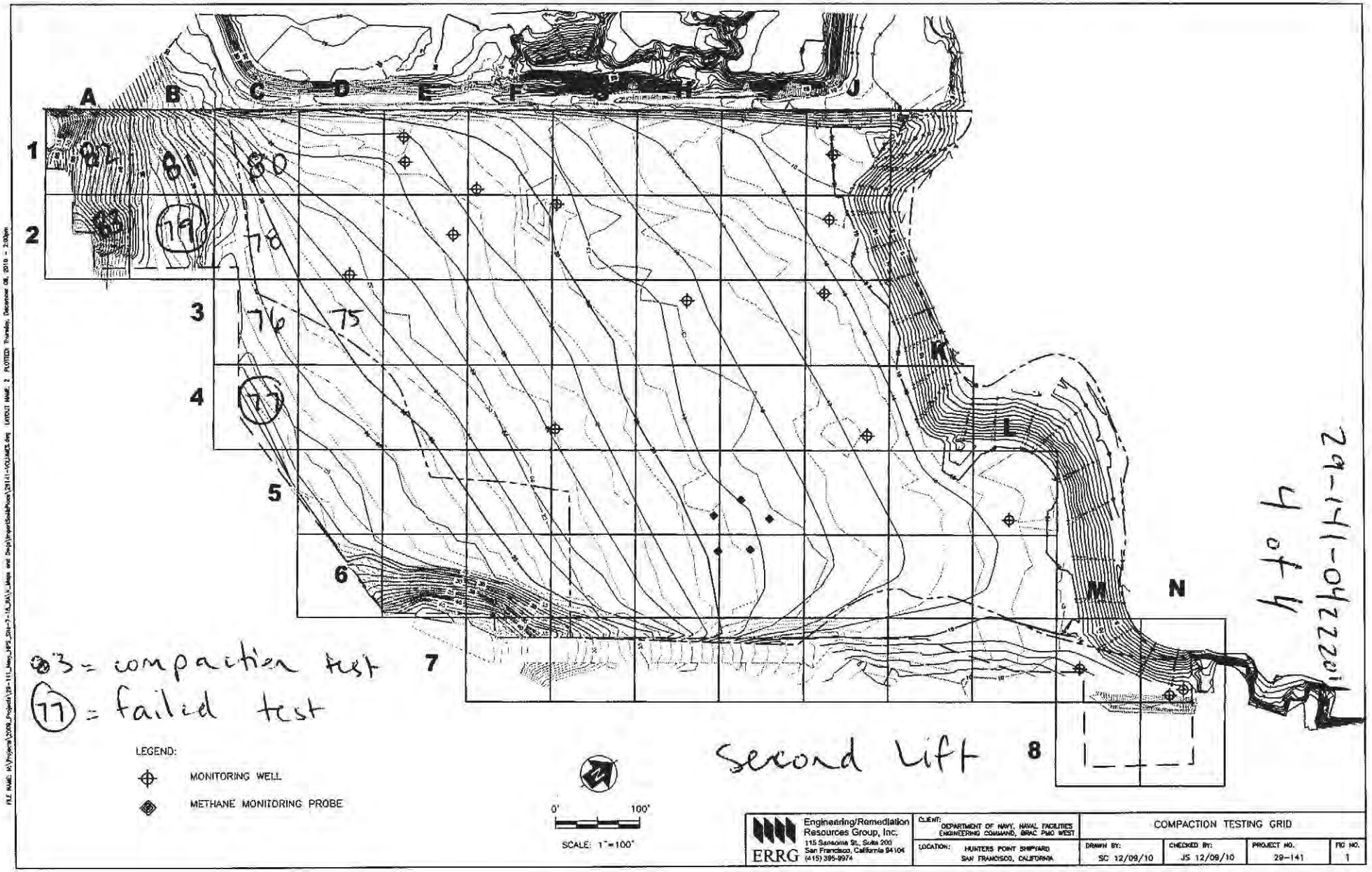
6
7
8
2 = compaction test #
④ = failed compaction
First Lift
29-141-0422 2011
3 of 4
LEGEND:
MONITORING WELL
METHANE MONITORING PROBE
0'
100'
SCALE: 1"=100'
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-9074
ERRG
CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST
LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA
COMPACTION TESTING GRID
DRAWN BY: SC 12/09/10
CHECKED BY: JS 12/09/10
PROJECT NO. 29-141
FIG NO. 1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83
79
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76
75
77
83 = compaction test
77 = failed test
Second Lift
LEGEND:
MONITORING WELL
METHANE MONITORING PROBE
0'
100'
SCALE: 1"=100'
29-141-0422201
4 of 4
ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-9974
CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST
LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA
COMPACTION TESTING GRID
DRAWN BY: SC 12/09/10
CHECKED BY: JS 12/09/10
PROJECT NO. 29-141
FIG NO. 1

Photo 1: Cover Installation – Loading offroad dump trucks at Dry Dock 3 with barged in cover material.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 22, 2011

Photo 2: Cover Installation – Compacting the second lift of cover soil on IR-07 & -18.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 22, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 25/APR/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	116

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	Jim Nores

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Raining	Overcast, Sunny	62	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. No barges today.	ERRG	1	Construction Manager	0
	Using 3 offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	8
	Place material on the cap in the initial 1 foot cover areas, spread and compact.	ERRG	1	QC Manager	8
	Add black Mirafi along revetment transition to fill along entire shoreline.	ERRG	1	H&S Manager	8
		ERRG	1	QC Staff	8
		ERRG	5	Truck Drivers	40
		ERRG	4	Equipment Operators	32
		ERRG	1	Laborer	16
		ERRG	1	Project Manager	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	128
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	15243.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	15371.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06		Select Fill (36 loads)
06		Mirafi 140N black fabric (3 rolls)

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	4K water truck - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 30 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	0
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	0
	Harris Blade	972 Loader	8
	Harris Blade	4K water truck - 1 ea	8

Schedule Activity No.	REMARKS

Jim Nores — CONTRACTOR/SUPERINTENDENT

4/25/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	25/APR/11		
CONTRACT NO	N62473-09-D-2608	TITLE AND LOCATION	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF
REPORT NO	116 cont.		
CONTRACTOR	Engineering/Remediation Resources Group, Inc.	SUPERINTENDENT	Jim Nores
AM WEATHER	Raining	PM WEATHER	Overcast, Sunny
MAX TEMP (F)	62	MIN TEMP (F)	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Volvo 40 ton articulated offroad dump truck	8

Schedule Activity No.	REMARKS

Jim Nores — CONTRACTOR/SUPERINTENDENT

4/25/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 4/25/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07/18

TYPE OF WORK Veg. removal, grade 1' area

SAFETY TOPICS PRESENTED

SAFETY TOPICS Equipment inspections, heavy equip operation

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS ~~Potential for low level radiation~~ hw

PHYSICAL HAZARDS Slips, trips, falls, weather

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Sergio Aguilar	ERRG	[signature]
Guadalupe Trujillo	ERRG	[signature]
VICENTE VALENCIA	ERRG	[signature]
[illegible]	ERRG	[signature]
Larry Johnson	ERRG	Larry Johnson
Larry Stack	ERRG	[signature]
Chris Stack	ERRG	[signature]
Brian Kerr	ERRG	[signature]
Ken Mark	ERRG	[signature]
Villanueva Lelec	ERRG	[signature]
Rafael Loza	ERRG	Rafael Loza
Liz Binning	ERRG	[signature]
Elizabeth Creek	ERRG	[signature]
JOHN SOURIAL	ERRG	[signature]

Health & Safety Officer [signature]

SIGNATURE Heather Wollenburg

SUPERINTENDENT Dantes Nores

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenburg | Client: Dept of the Navy
Day: Monday | Date: 4/25/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots | Project No.: 29-141
Weather: raining | Page: 1 of
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities: ~~install~~ hw grade check lft area; clear vegetation on hill

0700 Raining, foggy
tailgate safety meeting - review equipment inspections, be careful - low visibility working in rainy, foggy weather

* no dust meters & no air samples collected due to rain.

1200 lunch
- continue installing soil cover & grade

1300 sunny weather - installed 2 dust meters
2 water trucks going

- continue adding soil along revetment. Black mirafi placed over riprap edge of / soil border

1500 begin demob
1530 crew offsite

EQuipment being used: 3 offroad dumps, 2 dozers, 1:loader, 1:84" compactor, 2:4k water trucks

Signed: [signature] Date: 4/25/11

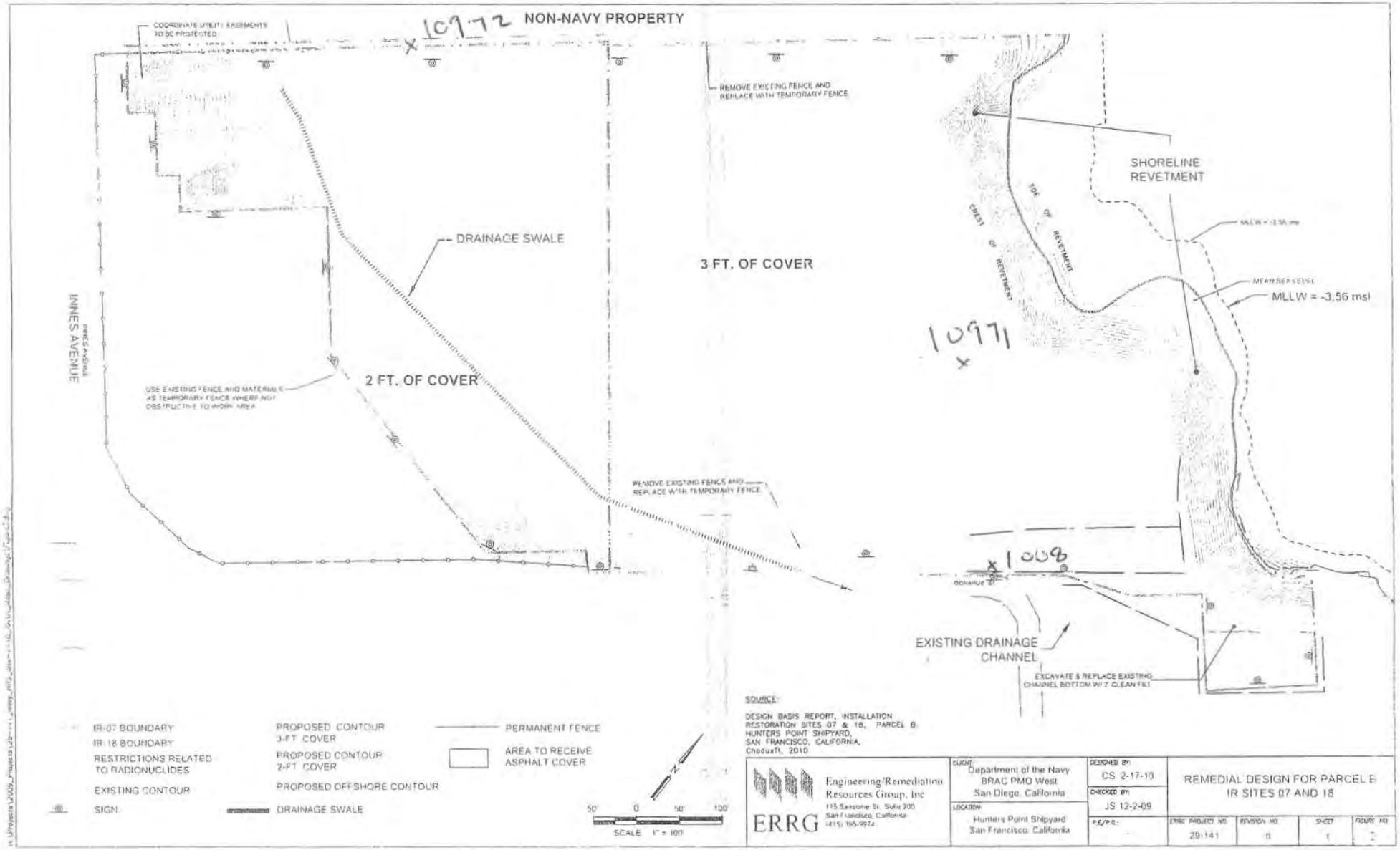
AIR MONITORING LOG SHEET

ERRG

Prepared by: H. Wollenburg
Project Name: HPNS IR07/18
Site Location: IR07/18
Calibration (Date and Time): 4/18/11

Client: USNAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: ambient zero

Location	Date	Time	Instrument ~~PID~~	Instrument DataRAM TWA	Comments
1008	4/25/11	1340	0.000	0.000	raining but now
1097I - middle	↓	1345	0.000	0.007	
1008		1450	0.000	0.000	
1097I	↓	1452	0.048	0.018	



SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChaduxTt, 2010

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St. Suite 200 San Francisco, California (415) 395-9974	CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 2-17-10	REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
	LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 12-2-09	
		P.E./P.G.:	ERRG PROJECT NO. 29-141 / REVISION NO. 0 / SHEET 1 / FIGURE NO. 2

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 25/APR/11

REPORT NO 116

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first lift of cover soil across the entire site. Continued
	performing compaction tests on 1st and 2nd lift of cover. Installed the geotextile interface between the shoreline revetment and the cover soil.
	Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Retested and achieved compaction in 1st lift of J1 and I1.

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/25/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 04/25/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			
Are retests located within 10 feet of the previous test location	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up				
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up				
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up				
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up				
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up				
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up				
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up				
Has the geotextile been protected from damage prior to and during soil placement?	Follow up				
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up				
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				
Receivables					
Material properties sheet		X			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 04/25/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

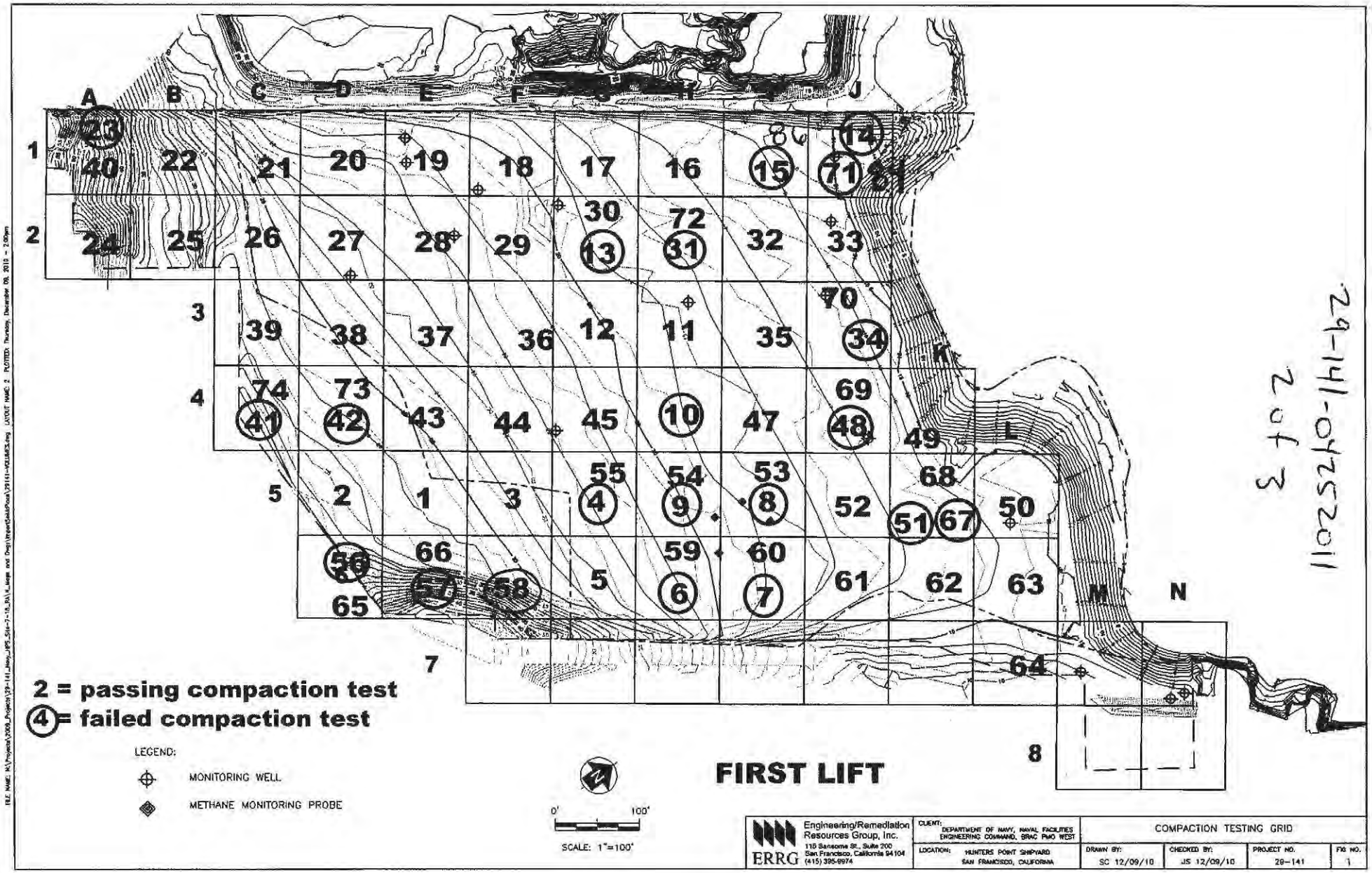
				Gauge No. MC3
Date/Time: 4/25/11	Job No.: 29-141	Project/Location: HPS IR-07+18	Source Material: Am-241 / Cs-137	Density Std.: 25872
Inspector: R. Loza	Project Engineer: E. Binning	Other:		Moisture Std: 17264
Curve No.: BS-DIA-05	Max. Density (PCF): 102.5	Min. Density (PCF):	Optimum Water (%): 14.9	Equipment in Use: smooth drum compactor
Specified % Compaction: 90 %	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings								
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
84	R71	6"	110.1	16.9	93.0	17.5	91	J1	-2.5'
85	*	6"	105.9	10.1	95.8	10.5	93	J1	-2'
86	R15	6"	110.0	16.8	93.2	17.5	91	I1	-2.5'
87		6"	105.2	13.0	92.2	14.1	90	I1	-2'
88		6"	106.5	11.4	95.1	11.9	93	H1	-2'
89		6"	114.1	15.9	98.2	16.1	96	G1	-2'
90	R85	6"	111.4	13.3	98.1	13.5	95	J1	-2'
91		6"	105.3	12.6	92.7	13.6	90	F1	-2'
92		6"	110.4	11.5	98.9	11.9	96	E1	-2'
93		6"	110.4	12.3	98.1	12.5	95	D1	-2'
		Average							

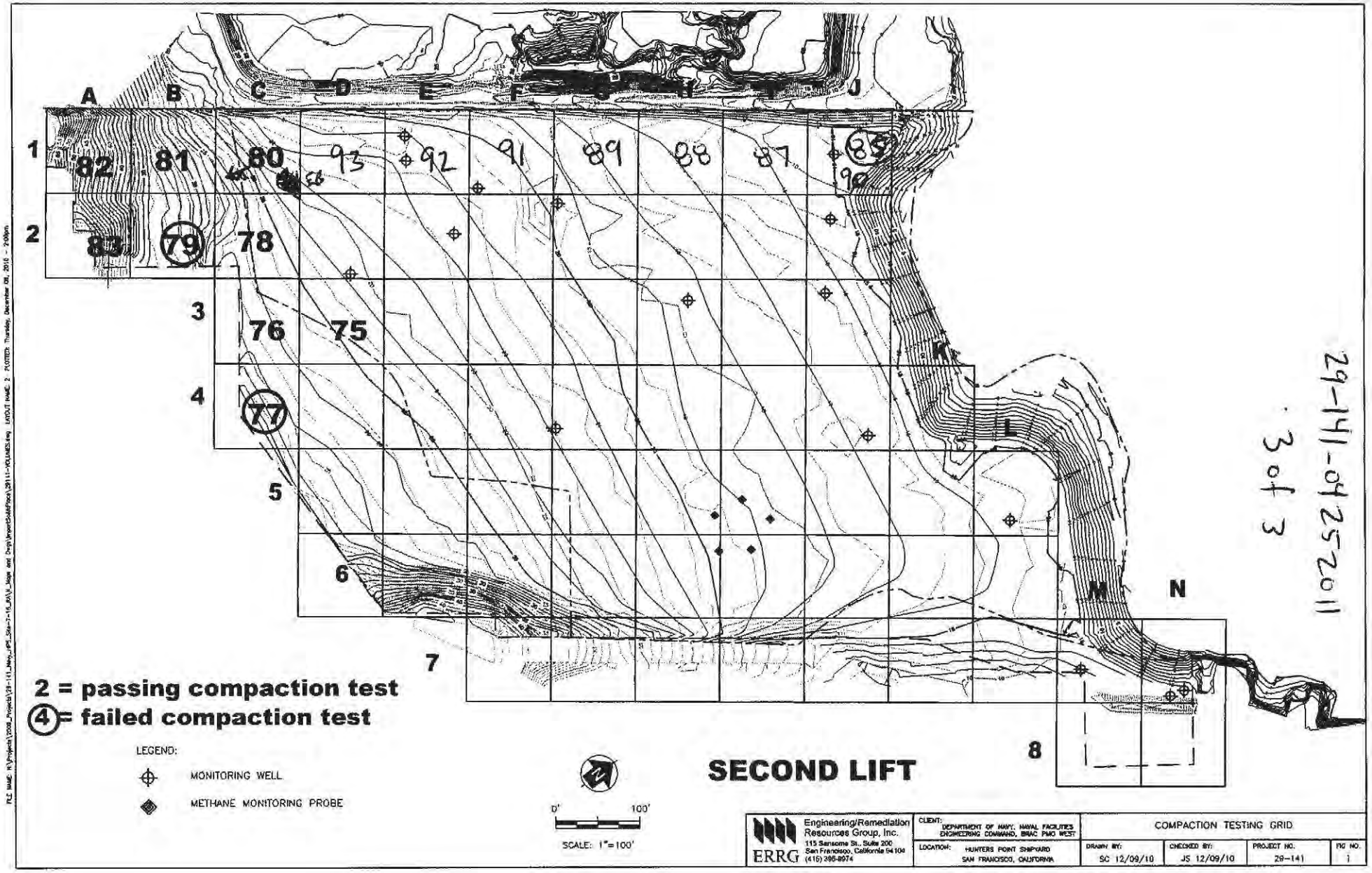
Remarks: Test 85 failed due to low moisture. Test 84 is a retest of test 71. Test 86 is a retest of test 15. Test 90 is a retest of test 85.

Inspector:

Reviewed:



29-141-04252011
2 of 3



29-141-04252011
3 of 3

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 398-8874	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1

Moisture Content and Sand Cone Samples

Prepared by: E. Binning
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 4/25/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-06	86	I1	-2.5	17.5	7099	1926

Photo 1: Cover Installation – Installation of the geotextile along the soil cover and shoreline revetment interface. Geotextile was placed on subgrade prior to placing and compacting bottom foot of cover soil against the revetment.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 25, 2011

Photo 2: Cover Installation – Compacting the soil along the shoreline revetment interface.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 25, 2011

Photo 3: Cover Installation – Spreading the second lift of cover soil on IR-07 & -18.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: April 25, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 26/APR/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 117

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny	62	49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. No barges today.	ERRG	1		
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	8
	Place material on the cap in the initial 1 foot cover areas, spread and compact.	ERRG	1	QC Manager	8
	Began placing demarcation fabric and tape in SE corner of cover area.	ERRG	1	H&S Manager	8
		ERRG	1	QC Staff	8
		ERRG	3	Truck Drivers	24
		ERRG	4	Equipment Operators	32
		ERRG	1	Laborer	16
		ERRG	1	Project Manager	4

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	108
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	15371.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	15479.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06		Skip Loader (1ea)

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	4K water truck - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 30 ton articulated offroad dump truck	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Harris Blade	4K water truck - 1 ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

4/26/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 26/APR/11	REPORT NO: 117 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny, clear	PM WEATHER: Sunny	MAX TEMP (F): 62	MIN TEMP (F): 49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	0
	Harris Blade	Volvo 40 ton articulated offroad dump truck	0
	United Rentals	JD 210 Skip Loader	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

4/26/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 4/26/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07/18

TYPE OF WORK grade 1' cover area

SAFETY TOPICS PRESENTED

SAFETY TOPICS Heavy equipment op., slips, trips, falls

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS Potential for low level radiation

PHYSICAL HAZARDS

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente Valencia	ERRG	[signature]
Guadalupe Trujillo	ERRG	[signature]
Sergio Aguilar	ERRG	[signature]
Rafael Loza	ERRG	[signature]
Larry Johnson	ERRG	[signature]
Larry Stack	ERRG	[signature]
Viliamo Lelei	ERRG	[signature]
Ken Mark	ERRG	[signature]
Chris Stack	ERRG	[signature]
Elizabeth Creek	ERRG	[signature]
JOHN SOURIAL	ERRG	[signature]

Health & Safety Officer [signature]

SIGNATURE Heather Wollenburg

SUPERINTENDENT King Bailey

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenberg | Client: Dept of the Navy
Day: Tuesday | Date: 4/26/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots | Project No.: 29-141
Weather: sunny, clear | Page: 1 of
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities: prep entrance area to lay fabric, compaction on lift

0700 Tailgate safety meeting; review daily activities:
① set up air station by fence
② drag / compact / compaction test entrance area
③ begin laying demarcation layer eq tape in entrance area
④ move stockpile by B404 to laydown area, cover & lay on plastic
⑤ complete SWPPP controls @ site

0830 air sampling units turned on (site #9)
0930 air sampling units turned on (site #10)
- crew getting stockpile
- compaction achieved @ entrance area

1200 lunch
1300 QC Meeting
1315 Begin installing demarcation layers @ entrance
1430 Larry x2 offsite
1530 crew offsite

Equipment being used: 1 2k water truck (1:4k picked up); 1:4k water truck, 2 Dozers, 1:84" compactor, 1:972 loader, 1 JD410 skip loader, ~~3 offroad dumps~~ hw

Signed: [signature] Date: 4/26/11

AIR MONITORING LOG SHEET

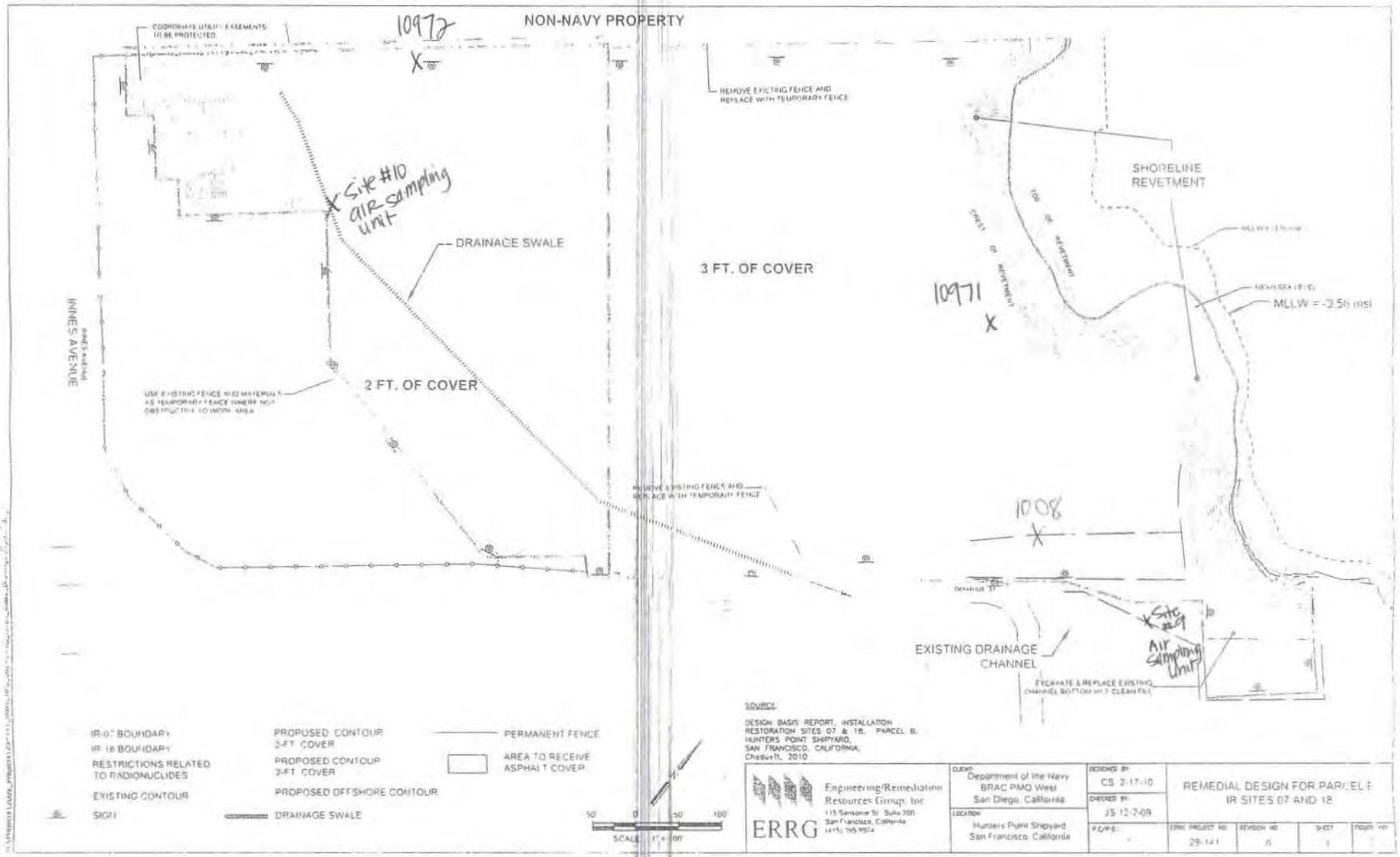
ERRG

Prepared by: E Creek / H Wollenburg
Project Name: HRNS
Site Location: IR07/18
Calibration (Date and Time): 4/18/11

Client: US Navy
Project No.: 29-1411
Page: 1 of 7
Standard Used: ambient air

Location	Date	Time	Instrument PID	Instrument DataRAM	Comments
10972	04/26/11	0729	0.148	0.033	
10971		0732	0.007	0.025	
1008		0734	0.000	0.000	
1008		0850	0.000	0.000	
10971		0851	0.011	0.013	
10972		0855	0.096	hw ~~0.010~~ 0.108	
10972		0925	0.086	0.106	
10971		0928	0.009	0.011	
1008		1035	0.000	0.000	
10971		1045	0.007	0.010	
10972		1047	0.088	0.100	
1008		1230	0.000	0.000	
10971		1235	0.011	0.009	
10972		1240	0.094	0.097	
1008		1335	0.000	0.000	
10971		1336	0.007	0.006	Batt low 29%.
10972		1340	0.092	0.096	
10972		1415	0.227	0.095	
1008		1430	0.000	0.000	*pulled 10971 batt died
1008		1515	0.000	0.000	
10972	✓	1516	0.091	0.095	
	hw				

4/26/11



SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Cheduit, 2010

Engineering/Remediation Resources Group, Inc. 115 Sansome St. Suite 200 San Francisco, California (415) 788-4924 ERRG	CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 2-17-10	REMEDIAL DESIGN FOR PARCEL E IR SITES 07 AND 18
		CHECKED BY: JS 12-2-09	
	LOCATION: Hunters Point Shipyard San Francisco, California	FIGURE: -	ERRG PROJECT NO: 29-141 / REVISION NO: 0 / SHEET: 1 / TOTAL NO:

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 26/APR/11

REPORT NO 117

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first lift of cover soil across the entire site. Continued
	performing compaction tests on 1st and 2nd lift of cover. Excavated demarcation fabric anchor trench along east corner of the site.
	Started installation of the demarcation fabric and demarcation tape. Verified that activities performed conformed to the cover installation checklist.
10	Moved the stockpile from the hotspot excavation under SPD14 from near Building 404 to the laydown area.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/26/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 04/26/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 04/26/2011

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

Report No.: 29-141-042611

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Gauge No. MC3				
Date/Time 4/26/11	Job No. 29-141	Project/Location HPS 1R-07+-18	Source Material Am-241 / Cs-137	Density Std. 25670
Inspector R. Loza	Project Engineer E. Binning	Other		Moisture Std 16653
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-10	100.8		18.1	Smooth drum compactor
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
94		6"	111.4	14.9	96.5	15.4	~~97~~ EB 96	J2	-2'
95		6"	120.6	19.5	101.1	19.2	100	I2	-2'
96		6"	109.4	16.0	93.3	17.1	93	H2	-2'
97	*	6"	115.0	14.6	100.4	14.5	100	G2	-2'
98		6"	112.3	15.7	96.6	16.3	96	F2	-2'
99		6"	106.1	14.0	92.1	15.2	91	L6	-2'
100		6"	111.1	15.4	95.7	16.1	95	L5	-2'
101		6"	107.7	15.1	92.6	16.6	92	K5	-2'
102	*	6"	114.1	14.5	99.6	14.6	99	K6	-2'
107		6"	111.3	15.7	95.6	16.4	95	G3	-2'
108		6"	110.4	15.2	95.2	16.0	94	H3	-2'
		Average							

Remarks: Tests 97 + 102 failed due to low moisture

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 4/26/11	Job No. 29-141	Project/Location HPS - 1R-07 & -18	Source Material Am-241 / Cs-137	Density Std. 25670
Inspector R. Loza	Project Engineer E. Binning	Other		Moisture Std 16653
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-08	101.3		18.6	smooth drum compactor
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90 %	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings								
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
103			115.3	16.8	98.5	17.1	97	E2	-2'
104			111.8	15.8	96.0	16.4	95	D2	-2'
105			108.8	14.7	94.1	15.6	93	E3	-2'
106			116.8	17.4	99.4	17.5	98	F3	-2'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No.
4/26/11	29-141	HPS IR-07+-18	Am-241 / Cs-137	MC3
Inspector	**Project Engineer**	**Other**		**Density Std.**
R. Loza	E. Biming			EB 25670
				Moisture Std
				16653

Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-10	100.8		18.1	smooth drum Compactor

Specified % Compaction	Specified % Water	Lab Test Method	Field Test Method
90%	+/- 3%	ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
109		6"	112.0	15.2	96.8	15.7	96	I3	-2'
110		6"	114.9	15.3	99.7	15.3	99	J3	-2'
111		6"	110.7	15.1	95.7	15.8	95	K4	-2'
112		6"	113.5	15.9	97.6	16.3	97	J4	-2'
113		6"	107.4	14.4	92.9	15.5	90	I4	-2'
114		6"	108.3	14.9	93.4	15.9	90	H4	-2'
116	97R	6"	111.6	15.6	96.0	16.2	95	G2	-2'
117	102R	6"	109.9	16.2	93.7	17.3	93	K6	-2'
		Average							

Remarks: Test 116 is a retest of 97. Test 117 is a retest of 102.

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. MC3
4/26/11	29-141	HPS IR-07+18	Am-241 / Cs-137	Density Std. 25670
Inspector	Project Engineer	Other		Moisture Std
R. Loza	E. Binning			16653

Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DA-06	98.3		19.0	smooth drum compactor

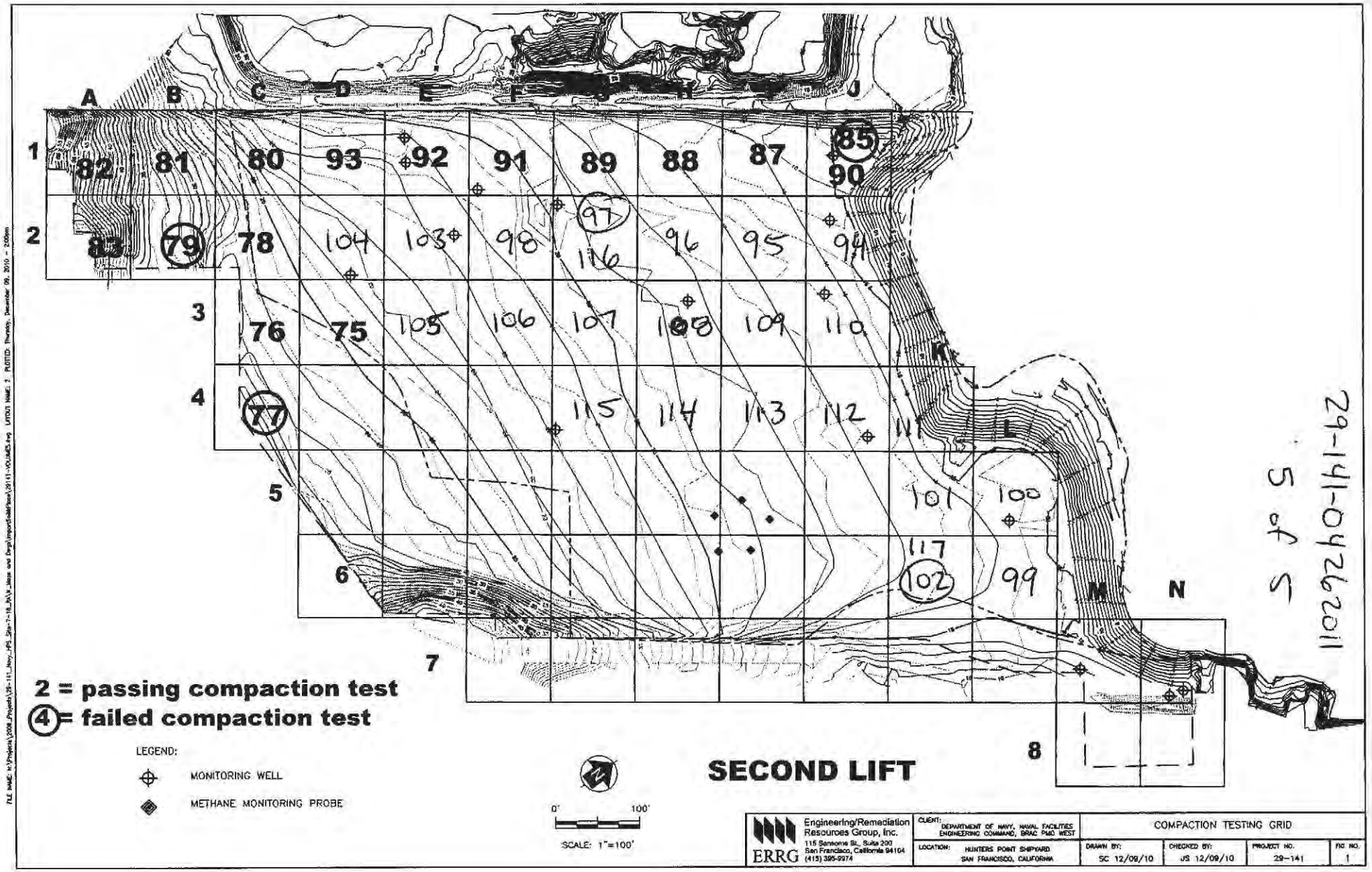
Specified % Compaction	Specified % Water	Lab Test Method	Field Test Method
90%	+/- 3%	ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings								
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
115		6"	112.0	16.1	95.9	16.8	98	G4	-2'
	Average								

Remarks:

Inspector:

Reviewed:



5 of 5

29-141-042611

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 399-9974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1

Moisture Content and Sand Cone Samples

Prepared by: R. Loza
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 4/26/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-07	~~96~~95 EB	I2	-2'	19.2	7068	1210
HP-MC-08	105	E3	-2'	15.6	7094	2168

Photo 1: Cover Installation – Grading and compaction of first foot of cover in preparation of demarcation fabric installation.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 26, 2011

Photo 2: Cover Installation – Preparation of the demarcation geotextile anchor trench. Trench extends one foot into the subgrade.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 26, 2011

Photo 3: Cover Installation – Installation of the demarcation layer. Checking the overlap distance to assure the 1' minimum is met.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: John Sourial (ERRG, Inc.) Date: April 26, 2011

Photo 4: Cover Installation – Installation of the demarcation tape. Measuring the distance between tapes to ensure tape is installed in a 10'x10' grid.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 26, 2011

Photo 5: Soil Stockpile Removal at Parcels D-1 and G – Removed stockpiled excavation spoils from hotspot beneath soil stockpile SPD14 in Parcel G. Moved stockpile to laydown area in Parcel B.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 26, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 27/APR/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 118

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny	61	49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.	ERRG	1	Construction Manager	4
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	8
	Place material on the cap in the initial 1 foot cover areas, spread and compact.	ERRG	1	QC Manager	8
	Continue placing demarcation fabric and tape in SE corner of cover area.	ERRG	1	H&S Manager	8
	Begin covering demarcation fabric and tape with fill material (compaction- ok).	ERRG	1	QC Staff	8
	Backfilled remaining hotspots and compacted.	ERRG	6	Truck Drivers	48
		ERRG	4	Equipment Operators	32
		ERRG	4	Laborers	31
		Jerico	4	Marine Subcontractor	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	187
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	15479.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	15666.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	4K water truck - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 30 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Harris Blade	4K water truck - 1 ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

4/27/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 27/APR/11	REPORT NO: 118 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny, clear	PM WEATHER: Sunny	MAX TEMP (F): 61	MIN TEMP (F): 49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Volvo 40 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	4
	ERRG	Backhoe with vibratory plate	4

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

4/27/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 4/27/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07/18

TYPE OF WORK ① continue imprinting soil by barge ② continue laying demarcation layer ③ compaction testing

SAFETY TOPICS PRESENTED

SAFETY TOPICS smoking areas, heavy equip operation, inspections, DUST!

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves ~~and PFD (personal flotation device)~~ as necessary.

CHEMICAL HAZARDS ~~Potential for low level radiation~~

PHYSICAL HAZARDS slips, trips, falls, heavy equip operation, DUST, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Jack Thomas	ERRG	[signature]
Fernando Loza	ERRG	[signature]
Samuel Martinez	ERRG	[signature]
Alberto Mejorza	ERRG	[signature]
Larry Stack	ERRG	[signature]
Larry Johnson	ERRG	[signature]
Chris Stack	ERRG	[signature]
Ken Mark	ERRG	[signature]
Vicente Valencia	ERRG	[signature]
Guadalupe Tuvilleyo	ERRG	[signature]
Oscar Orozco	ERRG	[signature]
Sergio Aguilera	ERRG	[signature]
Rafael Loza	ERRG	[signature]
Liz Binning	ERRG	[signature]
Elizabeth Creek	ERRG	[signature]
Tim Woodson	ERRG	[signature]
[illegible]	RACC	[signature]
Shirley Ng	RACC	[signature]

Health & Safety Officer [signature]

SIGNATURE Heather Wollenburg

SUPERINTENDENT King Bailey

SIGNATURE [signature]

ERRG

TAILGATE SAFETY MEETING

DATE 4/27/11 **TIME** 0700 **PROJECT NUMBER** 29-141

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Lara Krizar	Navy	Lara Krizar
TY APM	FDRC	

Health & Safety Officer [signature]

SIGNATURE H. Wollenburg

SUPERINTENDENT

SIGNATURE

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenburg
Day: Wednesday
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: sunny, clear
Site Visitors: See Tailgate Sign In Log. -Tim Woodson, ROLL-Andy, Shirley, PM-Lara
Description of Field Activities: install demarcation layer

Client: Dept of the Navy
Date: 4/27/11
Project No.: 29-141
Page: 1 of 1

0700 Tailgate safety meeting; discuss activities, speeds, equipment inspections, heat stress

-continue installing demarcation layer & tape - Will
- continue offload barge (1 large barge) - Jack & transport to cover area
- continue cover install on hillside - LJ
- continue cover demarcation layer - LStack
- backfill & compact hotspot areas - Oscar

1200 lunch break
1300 compactor down - hose leak (fixed @ 6pm by HB)

1430 discuss review of AHAs tomorrow & sign in / visitor debrief.

1530 crew offsite

Equipment being used: 4K water truck, 2K water truck, 2 Dozers, 3 offroad dumps, 1 loader, 1 skip loader, 1 Backhoe w/ vibe plate (from HPPP), 1 compactor

Signed: [signature] Date: 4/27/11

AIR MONITORING LOG SHEET

ERRG

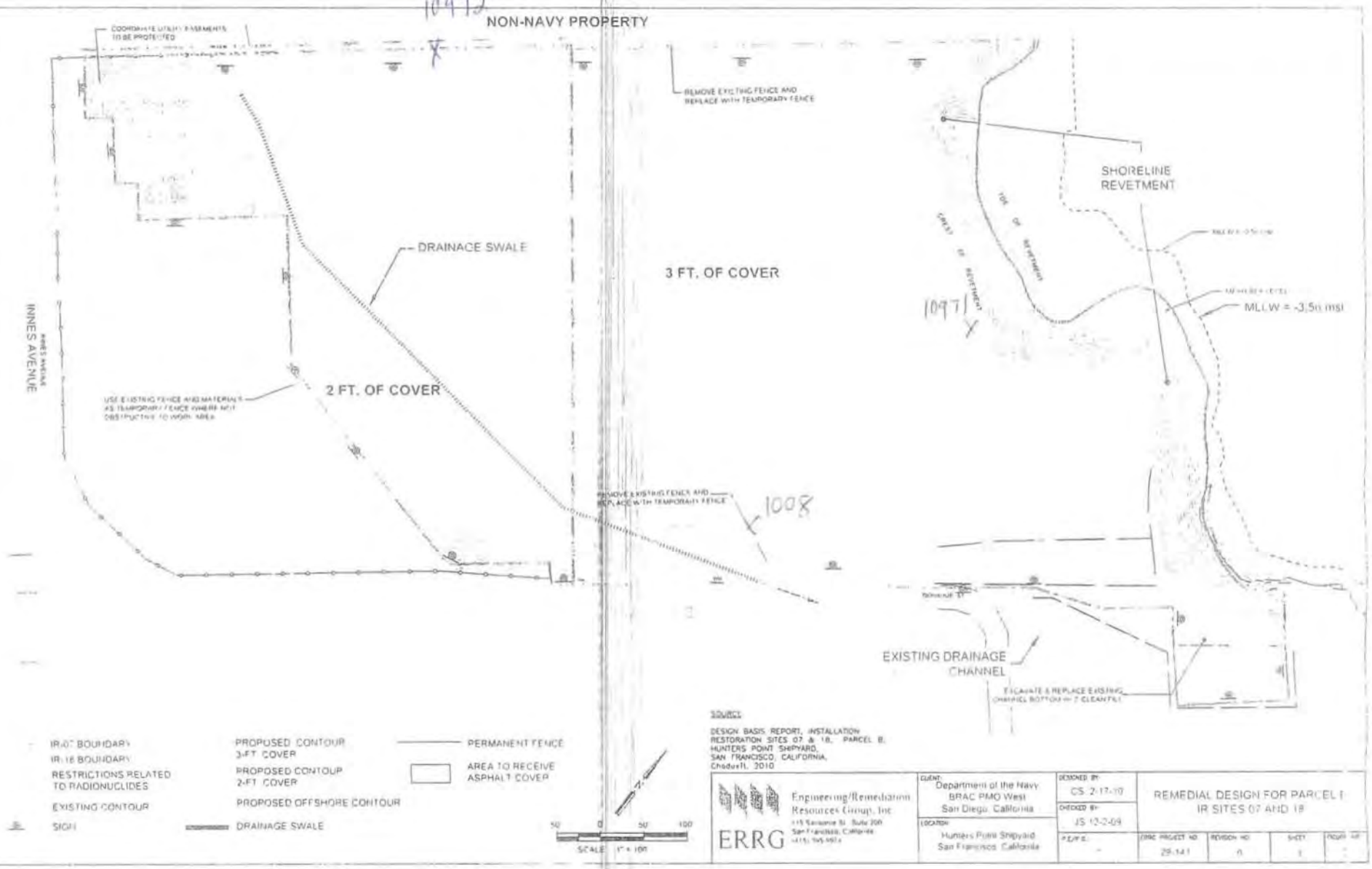
Prepared by: H. Wollenburg / E. Creek
Project Name: HPNS
Site Location: IR07/18
Calibration (Date and Time): 4/18/11

Client: USNavy
Project No.: 29-1411
Page: 1 of 1
Standard Used:

Location	Date	Time	Instrument CONC. hw ~~PID~~	Instrument TVA DataRAM	Comments
1008	4/27/11	0729	0.000	0.000	
10972		0736	0.146	0.149	(no activity)
10971		0754	0.028	0.022	batt change
1008		0838	0.000	0.000	
10971		0839	0.020	0.025	
10972		0846	0.121	0.128	
1008		0911	0.000	0.000	
10971		0914	0.020	0.024	
10972		0928	0.122	0.125	
1008		1037	0.000	0.000	
10971		1039	0.030	0.027	* keeps shutting off.
10972		1043	0.134	0.124	→ reading high - need to calibrate tomorrow - no dust in area
1008		1201	0.000	0.000	
10971		1204	0.037	0.036	
10972		1207	0.128	~~0.0~~0.124	
1008		~~0.000~~ 1314	0.000	0.000	
10971		1331	0.027	0.029	batt change
10972		1318	0.122	0.123	
1008		1419	0.000	0.000	
10971		1421	0.028	0.027	
10972		1424	0.118	0.123	
10972		1513	0.124	0.123	
10971		1519	0.027	0.025	
1008		1521	0.000	0.000	

4/27/11

10972



1097

1008

SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, October 11, 2010

ERRG Engineering/Remediation Resources Group, Inc.

CLIENT: Department of the Navy BRAC PMO West San Diego, California

LOCATION: Hunters Point Shipyard San Francisco, California

DESIGNED BY: CS 2-17-10

CHECKED BY: JS 12-2-09

P.E./P.G.: -

REMEDIAL DESIGN FOR PARCEL F IR SITES 07 AND 18

ERRG PROJECT NO.	REVISION NO.	SHEET	FIGURE NO.
29-141	0	1	-

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 27/APR/11

REPORT NO 118

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first lift of cover soil across the entire site. Continued
	installation of the demarcation fabric and demarcation tape. Started spreading and compacting first lift of soil above the demarcation layer.
	Verified that activities performed conformed to the cover installation checklist.
10	Backfilled and compacted the hotspot excavation under SPD14 in Parcel G.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/27/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 04/27/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 04/27/2011

Photo 1: Cover Installation – Installation of the demarcation layer on the prepared graded and compacted first foot of cover material.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 27, 2011

Photo 2: Cover Installation – Installation of the demarcation fabric and demarcation tape grid. Spreading cover material in 1' lift above the completed demarcation structure using a low ground pressure (LGP) dozer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 27, 2011

Photo 3: Cover Installation – Spreading of the first foot of cover material above the installed demarcation layer and tape grid using an LGP dozer. Other equipment is safe to work on cover once the 1' foot cover above the geotextile is met.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 27, 2011

Photo 4: Cover Installation – Installation of the demarcation layer along the shoreline revetment interface.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 27, 2011

Photo 5: Cover Installation – Installation of the demarcation layer. Checking the overlap distance to assure the 1' minimum is met.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 27, 2011

Photo 6: Soil Stockpile Removal at Parcels D-1 and G – Backfilling and compacting hotspot beneath SPD14 in Parcel G.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 27, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 28/APR/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 119

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny, windy	61	48

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.	ERRG			
	Using offroad dump trucks to haul fill to IR-07 / IR-18. Done around 11am.	ERRG	1	Superintendent	8
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	8
	Continue placing demarcation fabric and tape in SE corner of cover area.	ERRG	1	H&S Manager	8
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	8
	Compaction test hotspot locations; all passed.	ERRG	5	Truck Drivers	24
		ERRG	5	Equipment Operators	25
		ERRG	8	Laborers	40
		Jerico	4	Marine Subcontractor	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	161
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	15666.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	15827.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	4K water truck - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	4
	Harris Blade	CAT 30 ton articulated offroad dump truck	4
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Harris Blade	4K water truck - 1 ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

4/28/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 28/APR/11	REPORT NO: 119 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny, clear	PM WEATHER: Sunny, windy	MAX TEMP (F): 61	MIN TEMP (F): 48

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	4
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	4
	Harris Blade	Volvo 40 ton articulated offroad dump truck	4
	United Rentals	JD 210 Skip Loader	4
	ERRG	Backhoe with vibratory plate	4

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

4/28/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 4/28/11 **TIME** 0700 **PROJECT NUMBER** 9-141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07/18

TYPE OF WORK demarcation layer installation
soil cover installation & loading

SAFETY TOPICS PRESENTED

SAFETY TOPICS Review AHAs for demarcation & soil cover install

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and ~~PFD (personal flotation device) as necessary.~~

CHEMICAL HAZARDS ~~Potential for low level radiation~~

PHYSICAL HAZARDS slips, trips, falls, & heavy equip operation, vehicle traffic, lifting, speed

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE:

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Larry Johnson	ERRG	Larry Johnson
Larry Stack	ERRG	[illegible]
Chris Stack	ERRG	[illegible]
Fernando Loza	ERRG	[illegible]
Viliama Lelei	ERRG	[illegible]
Samuel Martinez	ERRG	[illegible]
Rafael Loza	ERRG	[illegible]
Sergio Aguilera	ERRG	[illegible]
Guadalupe Trujillo	ERRG	[illegible]
[illegible]	ERRG	[illegible]
Ken Marli	ERRG	[illegible]
J. Alberto Melgoza	ERRG	J.A.M.
Liz Binning	ERRG	[illegible]
Elizabeth Creek	ERRG	[illegible]
Oscar Orozco	ERRG	[illegible]
Tik Young	ROIC	[illegible]
Shirley [illegible]	[illegible]	ROIC
TIM WOODSON	ERRG	[illegible]
ED GROOMAN	ERRG	E.D. Grooman

Health & Safety Officer [illegible]

SIGNATURE Heather Wollenburg

SUPERINTENDENT King Bailey

SIGNATURE [illegible]

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	King Bailey		4/28/11 0700
Site Safety Officer:	Heather Wollenburg		4/28/11 0700
Employee(s): QCM	Liz Binning		4/28/11 0700
~~J. ALBERTO MELGAR~~			
	J. ALBERTO MELGAR		4-28-11 7:00
	Chris Stack		4-28-11 7:00am
	Larry Johnson		4-28-11 7:00 AM
	Larry Stack		4-28-11 7:00 AM
	King Bailey		4-28-11 7:00 am
	FERNANDO LOZA		4-28-11 700 AM
	Viliamu Lolei		4-28-11 700 AM
	Samuel Martinez		4-28-11 7:00 AM
	Rafael Loza		4-28-11 7:00 am
	Sergio Ramirez		4-/28/11 7:00 AM
	Guadalupe Trujillo		4-28-11 7:00 AM
	Jack Thomas		4-28-11 700 am
	Ken Nash		4/28/11 700 AM
	Elizabeth Creek		4/28/11 7AM
	OSCAR OROZCO		4/28/11 7AM

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenburg
Day: Thursday
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: overcast, dry
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 4/28/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities: demarcation layer install, soil import & installation of cover

0700 tailgate safety meeting; review AHAs & everyone sign in

0800 Liz, Andy, Shirley to QC hotspot/stockpile areas
- continue import soil from Drydock 3 (no barge today)
- continue lift on top of demarcation layer
- continue lift on hillside
- continue install of demarcation layer & tape

1100 out of import dirt, Larry x 2, others gone
lunch break

- ~~backfill~~ hw hotspots / finish compacting

1430 high winds @ site - shut down
- no work for Friday - conveyor still down @ quarry

1530 crew offsite

Signed: [signature] Date: 4/28/11

AIR MONITORING LOG SHEET

ERRG

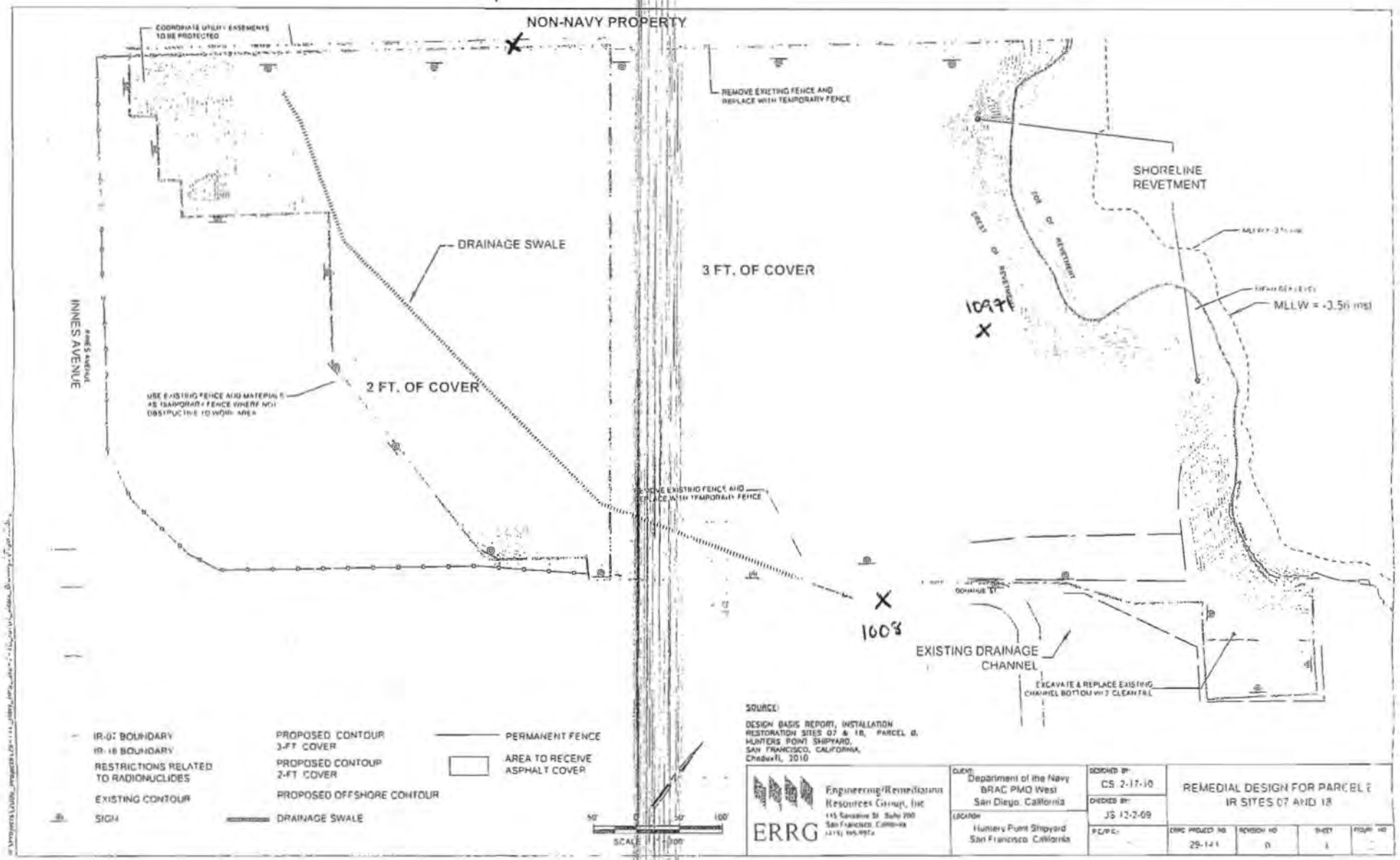
Prepared by: H.W/E.Creek
Project Name: HPNS
Site Location: IR07/18
Calibration (Date and Time): 4/28/11

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used: ambient air

Location	Date	Time	Instrument conc. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
1008	4/27/11	0756	0.000	0.137	batt 43%
10971		0759	0.025	0.029	batt 99%
10972		0803	0.118	0.139	batt 57%
1008		0905	0.000	0.000	
10971		0910	0.000	0.019	
10972		0912	0.122	0.125	
10972		0947	0.114	0.124	
10971		0951	0.012	0.016	
1008		0955	0.000	0.000	
1008		1037	0.000	0.000	
10972		1041	0.120	0.120	
10971		1047	0.014	0.015	
1008		1237	0.000	0.000	
10971		1239	0.031	0.020	off, but 78% batt
10972		1242	0.148	0.118	
1008		1335	0.000	0.000	
10971		1340	0.071	0.050	
10972		1344	0.115	0.120	

4/28/11

10972


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
TOP OF REVETMENT
TOE OF REVETMENT
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
2 FT. OF COVER
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
DONAHUE ST
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM WITH CLEAN FILL
10971
1003
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE
50' 0 50' 100'
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL G, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010
ERRG
Engineering/Remediation Resources Group, Inc
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL E IR SITES 07 AND 18
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: HB 4K water truck **Identification Number:** _____

Project Number / Name: 29-141 HPNSY **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
				Tues 4/26 KM			Wed 4/26 KM			Thur 4/27 KM						
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Tracks	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Steps and handgrips	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Seat belt operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☑	☐	☐	☐	☐	Backup lights out
Steering and other controls	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D-6R Dozer **Identification Number:** M58X63

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	4-25-11 L.J			4-26-11 L.J			4-27-11 L.J			4-28-11 L.J			4-29-11 L.J			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD AUG E **Identification Number:** _____

Project Number / Name: HP NAVY **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	4-25-11 MON			4-26-11 TUE			4-27-11 WED			4-28-11 THU			4-29-11 FRI			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☑	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD DUMP TRUCK **Identification Number:** DA3B73

Project Number / Name: [redacted] KP MANX **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	MON - 4-25-11			TUE - 4-26-11			WED - 4-27-11			THU - 4-28-11			FRI - 4-29-11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☒	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	
Windows and mirrors unbroken?	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	DOOR GLASS IS CRACKED
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: GREASE UP ON THUR 4-28-11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: BACK HOLE **Identification Number:** UT 6D64

Project Number / Name: HP MAIN **Rental** ☐ **ERRG** ☑

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Mon-			TUE-			WED- 00			THU-			FRI-			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	
Gauges operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	
Horn operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☐	☐	☑	☑	☐	☐	☐	☐	☐	☐	☐	LIGHTS WORK ONES IN + WELL
Steering and other controls	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: LOADER **Identification Number:** CX9V38

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	VLJ															Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	r 2
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: HB Water truck 4K **Identification Number:** CRS10-414

Project Number / Name: 29-141 HPNSY **Rental** ☆ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	KM 4/25 MW			KM 4/26 TVC			4/27 TWCD			4/28 TVC			4/29 FKI			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: 4/27 Removed from site

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CASE **Identification Number:** 330 W/FGHM

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
							S.A 4/27/11			S.A 4/28/11			4/29/11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Tracks	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	
Steps and handgrips	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Seat belt operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☐	☐	☐	☐	☐	☐	☒	☑	☐	☑	☐	☐	☐	☐	☐	
Brakes	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: Lights no operative

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Dozer D6 **Identification Number:** _____

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	Mon ZBL			Tues ZBL			Wed ZBL			Thurs ZBL			Fri ZBL			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Holt water truck 2K **Identification Number:** CR507 004

Project Number / Name: 29-141 HPNSY **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	KM 4/26 TOS						SP 4/27/11			FC 4-28-11						
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☒	☐	~~☒~~	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☐	☒	☐	☐	☐	☐	☐	☑	☐	☒	☑	☐	☐	☐	☐	4/26 LR Light out
Steering and other controls	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: Initial inspection left rear light out

4/26 PTO keeps disengaging

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CAT 972H **Identification Number:** CX9V38

Project Number / Name: HPNSY **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	SA 4/25/11			SA 4/26/11			ST 4/27/11			4/28/11			4/29/11			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Tracks	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 28/APR/11

REPORT NO 119

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first and second lift of cover soil across the entire site.
	Continued performing compaction tests on the first and second lift of cover. Continued installation of the demarcation fabric and demarcation tape.
	Continued spreading and compacting first lift of soil above the demarcation layer. Verified that activities performed conformed to the cover installation checklist.
09	Checked compaction of the AB at final grade AV20 in Parcel G and B3416 in Parcel B. Held pre-final inspection with ROICC and CSO. Rerolled
	B3416 and B4716 in Parcel B to smooth out, as discussed in the pre-final walkthrough.
10	Held pre-final inspection with ROICC and CSO. Checked compaction of the backfill in the hotspot excavation under SPD14 in Parcel G.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Retested and achieved compaction in 1st lift of F6.

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
09, 10	Held Pre-Final Inspection

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

04/28/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 04/28/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 04/28/2011

ERRG

Engineering/Remediation Resources Group, Inc.
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Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

Report No.: 29-141-04282011
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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 4/28/11	Job No. 29-141	Project/Location HPS IR-07-18	Source Material Am-241 / Cs-137	Density Std. 25617
Inspector R. Loza	Project Engineer E. Binning	Other		Moisture Std 17085
Curve No. BS DIA-10	Max. Density (PCF) 100.8	Min. Density (PCF)	Optimum Water (%) 18.1	Equipment in Use smooth drum roller
Specified % Compaction 90%	Specified % Water +/- 3%		Lab Test Method ASTM D-1557	Field Test Method ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
118		6"	122.0	20.6	101.4	20.3	100	J5	-2'
119		6"	122.4	18.2	104.0	17.5	103	J6	-2'
120		6"	121.9	18.2	103.7	17.2	103	I5	-2'
121		6"	110.3	14.7	95.6	15.3	95	H5	-2'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 4/28/11	Job No. 29-141	Project/Location HPS 1R-07+-18	Source Material Am-241 / Cs-137	Density Std. 25617
Inspector R. Loza	Project Engineer E. Binning	Other		Moisture Std 17085
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-06	98.3		19.0	smooth drum compactor
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
122		6"	112.4	16.3	96.1	17.0	98	G5	-2'
123		6"	109.4	16.8	92.6	18.1	94	F5	-2'
124		6"	123.4	22.7	100.7	22.0	102	E5	-2'
125		6"	112.7	15.8	96.9	16.3	99	G6	-2'
126		6"	119.9	21.3	98.6	21.9	100	H6	-2'
127		6"	118.2	21.1	97.0	21.7	99	I6	-2'
128		6"	121.4	20.4	101.0	20.1	103	F4	-2'
~~129~~	EB								
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

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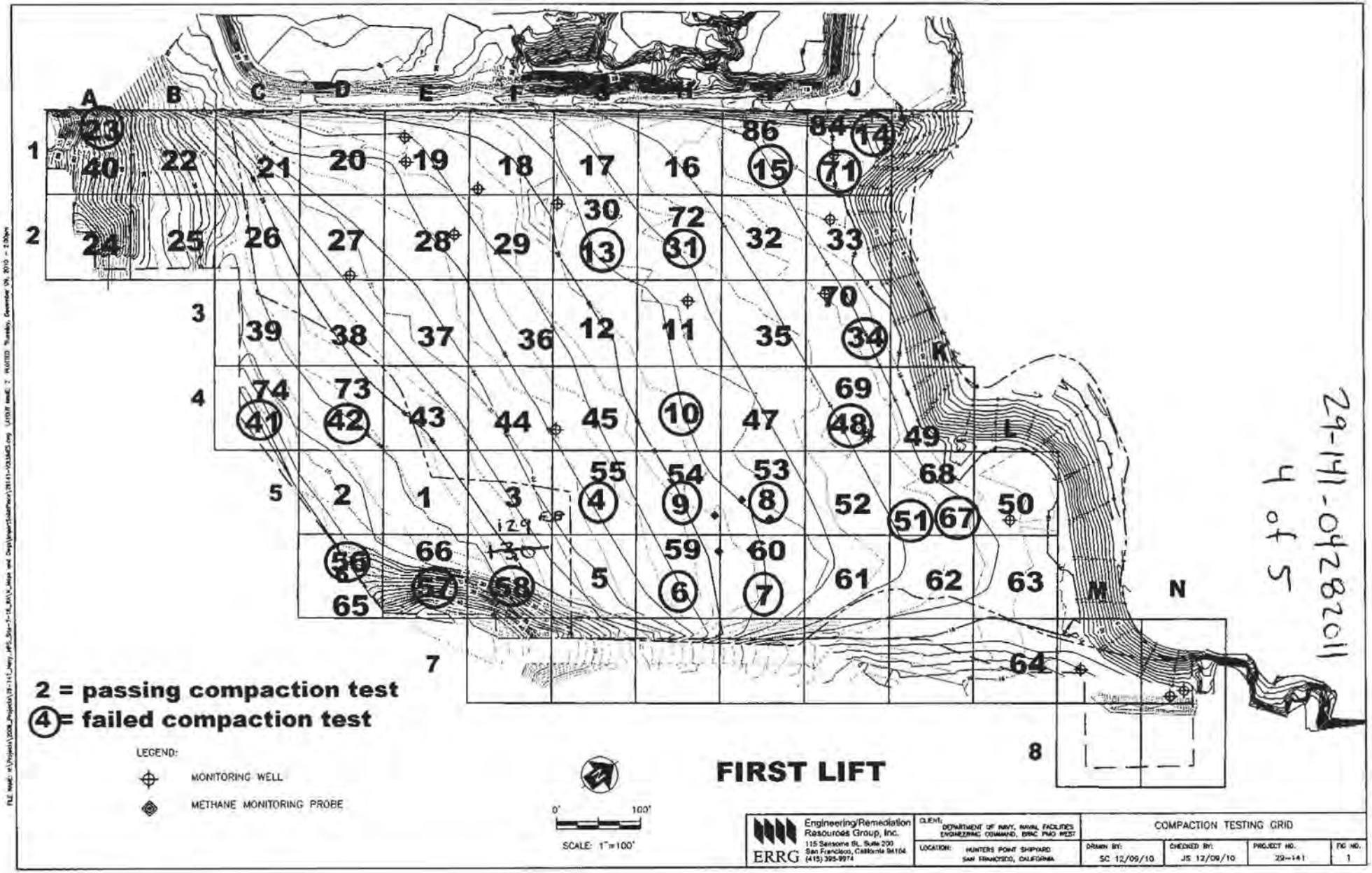
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 4/28/11	Job No. 29-141	Project/Location HPS. IR-07+18	Source Material Am-241 / Cs-137	Density Std. 25617
Inspector R. Loza	Project Engineer E. Binning	Other		Moisture Std 17085
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-05	102.5		14.9	smooth drum compactor
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	EB Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
~~130~~ 129	58R	6"	113.4	15.0	98.4	15.2	96	F6	-2.5'
	Average								

Remarks: Test 130 is a retest of 58.

Inspector: _____ Reviewed: _____



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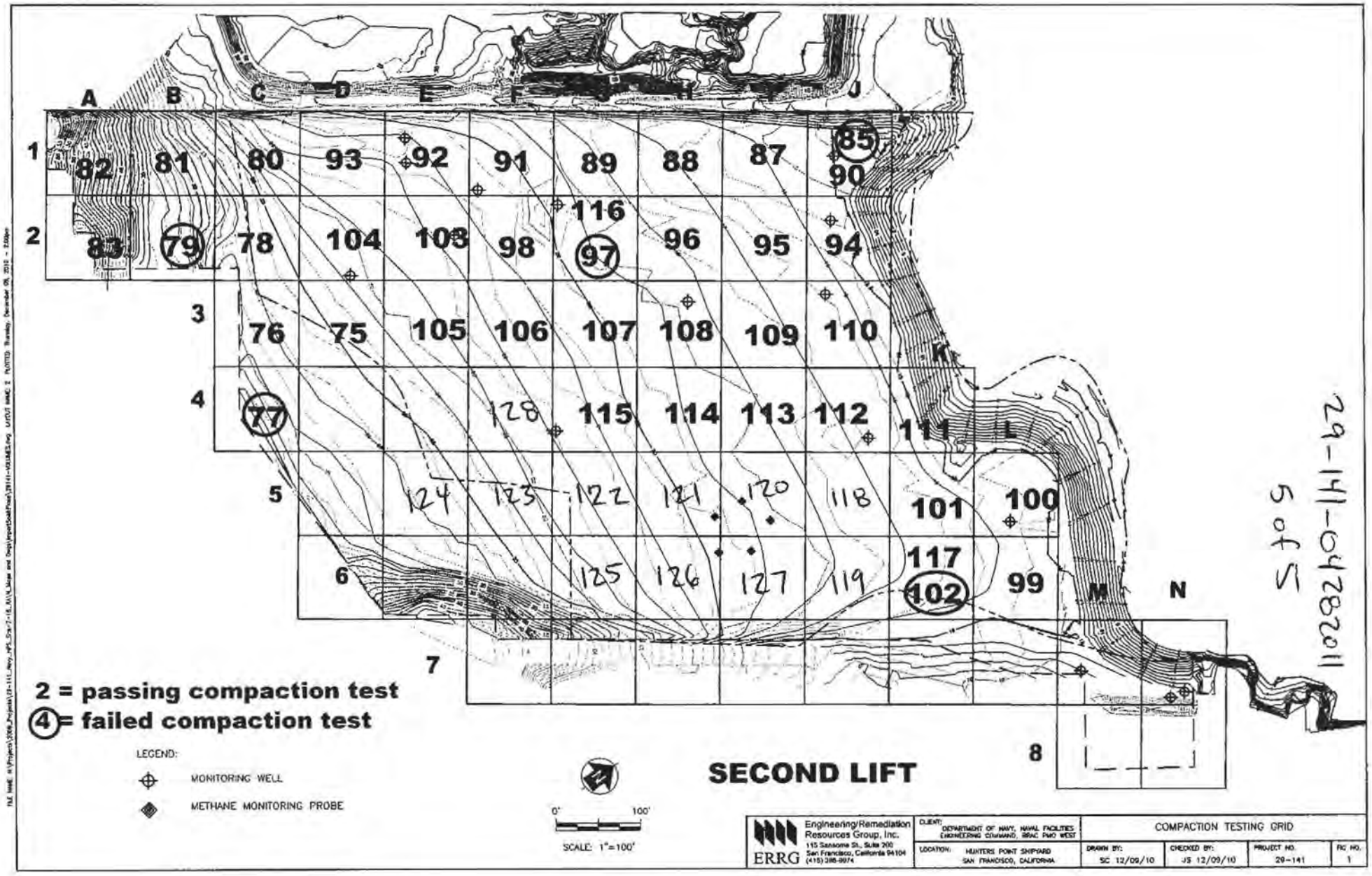
ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 399-9974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, EFAC PWD WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1



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Moisture Content and Sand Cone Samples

Prepared by: R. Loza
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 4/28/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-09	118	J5	-2'	20.3	6887	2210

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Hotspots
Report No.: 29-141-04282011 AS
Page 1 of 4

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 4/28/11	Job No. 29-141	Project/Location HPS	Source Material Am-241 / Cs-137	Density Std. 25617
Inspector R. Lozza	Project Engineer E. Binning	Other		Moisture Std 17085
Curve No. BS-BIA-05	Max. Density (PCF) 102.5	Min. Density (PCF)	Optimum Water (%) 14.9	Equipment in Use vibe plate on backhoe
Specified % Compaction 90%	Specified % Water +/- 3%		Lab Test Method ASTM D-1557	Field Test Method ASTM D-2922 ASTM D-3017

Gauge Readings

Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
27		6"	107.1	11.6	95.4	12.2	93%	SPD14	-0.5'
28		6"	106.9	12.9	94.0	13.7	92%	SPD14	Ø
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

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Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

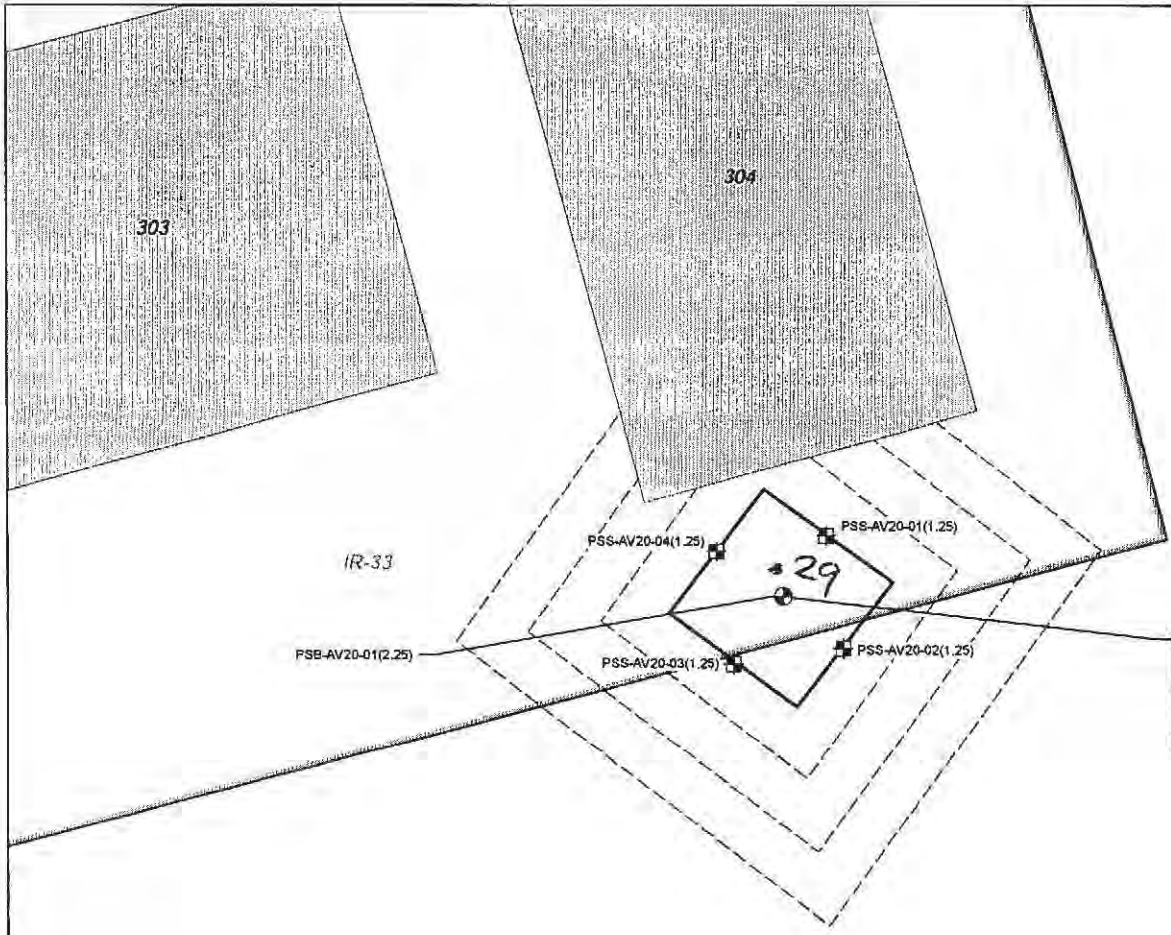
Date/Time	Job No.	Project/Location	Source Material	Gauge No.
4/28/11	29-141	HPS IR-07-18	Am-241 / Cs-137	MC3
Inspector	**Project Engineer**	**Other**		**Density Std.**
R. Loza	E. Binning			25617
				Moisture Std
				17085
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Equipment in Use**
Syar AB	131.9		8.6 ~~14.4~~ EB	Backhoe bucket
Specified % Compaction	**Specified % Water**		**Lab Test Method**	**Field Test Method**
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	**Retest**	**Test Depth**	**Total Density**	**Total Water**	**Dry Density**	**% Water**	**%Proctor (% compact)**	**Location**	**Elevation**
29		6"	125.8	7.3	118.5	6.1	90	AV20	0'
30		6"	124.8	6.7	118.1	5.7	90	B34 16	0'
		Average							

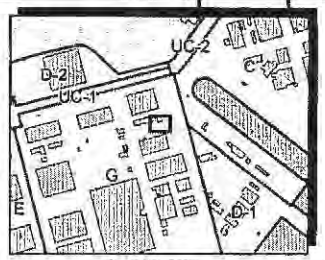
Remarks: _____

Inspector: _____ Reviewed: _____

COMPACTION TESTS 4/28/11



IR33B091 (1994-03-29)		
Depth	BaP Result (mg/kg)	Qualifier
1.25	0.49	J
6.25	0.38	U
11.25	0.4	U
16.25	0.022	J



Location Map

Legend

- Proposed Pre-Excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- IR Site Boundary
- Building

Notes:

PSB-AV20-01(4)

- Sampling Event Identifier
- Area Identifier
- Sample Collection Sequence Number (Depth of Sample)

BaP = Benzo(a)pyrene
mg/kg = milligrams per kilogram
J = Reported value is an estimate
U = Result is less than method reporting limit

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

ERRG ENGINEERING/REMEDIATION RESOURCES GROUP, INC.

Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 13
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS AV20 AREA
Installation Restoration Sites 07 and 18 at Parcel B;
Soil Hot Spots at Parcels B, D-1 and G;
and Soil Stockpiles at Parcels D-1 and G

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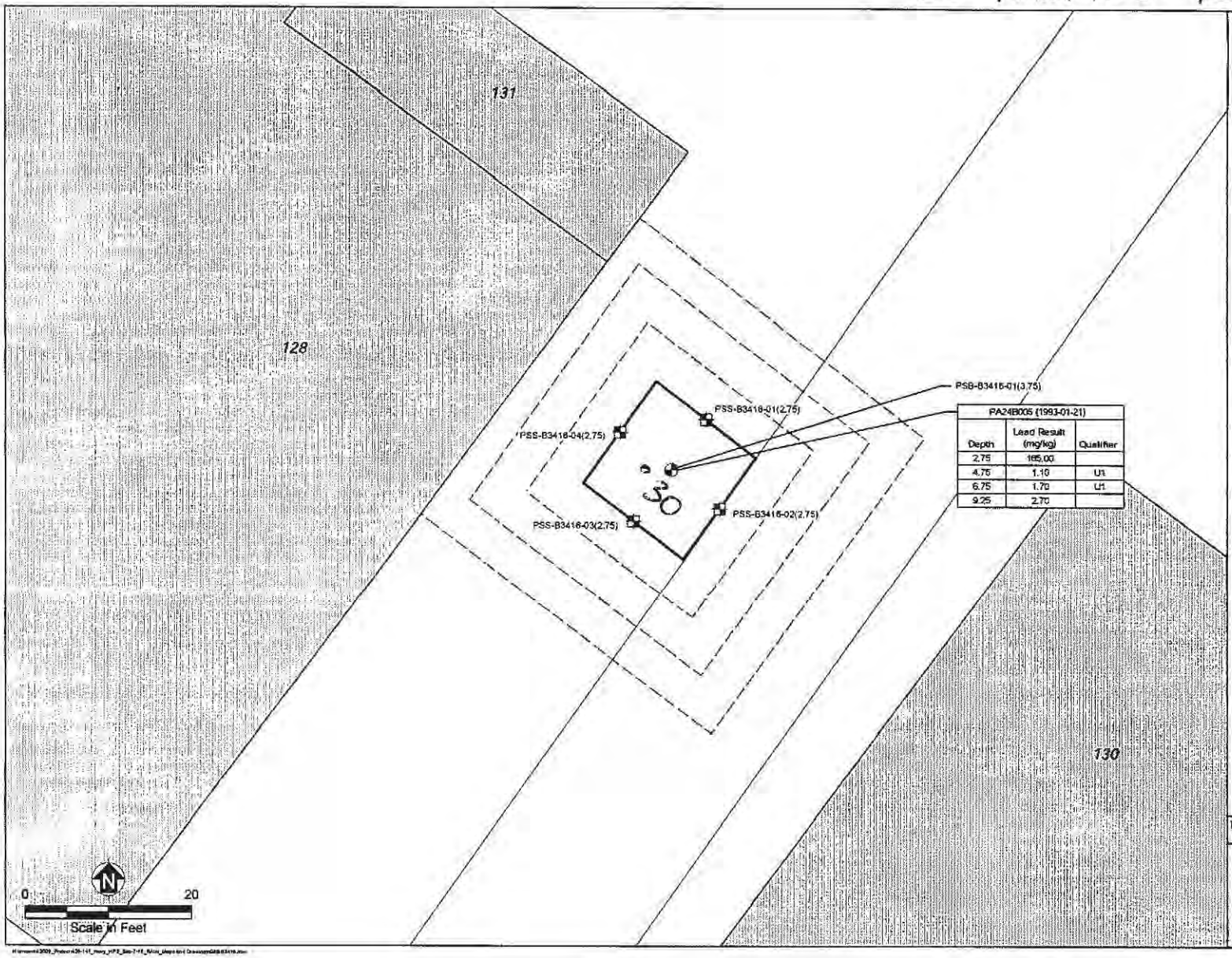
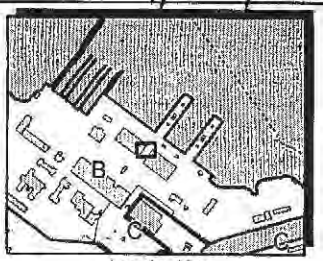
COMPACTION TESTS 4/28/11



PA24B005 (1993-01-21)		
Depth	Lead Result (mg/kg)	Qualifier
2.75	165.00	
4.75	1.10	U1
6.75	1.70	U1
9.25	2.70	

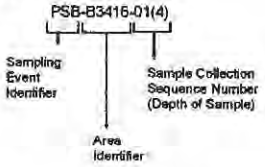


Location Map

Legend

- Proposed Pre-Excavation Bottom Sample Location
- Proposed Pre-Excavation Sidewall Sample Location
- Proposed Excavation
- Optional Sample Plot Step-out
- Building
- Road

Notes:



mg/kg = milligrams per kilogram
U1 = Result is less than the method reporting limit

A post-excavation confirmation sample will be collected from the excavation bottom and from each sidewall.

ENGINEERING/REMEDIATION RESOURCES GROUP, INC.
ERRG

Hunters Point Shipyard, San Francisco, California
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 4
PROPOSED PRE-EXCAVATION SAMPLE LOCATIONS
AREA B3416
Installation Restoration Sites 07 and 15 at Parcel B;
Soil Hot Spots at Parcels B, D-1 and G;
and Soil Stockpiles at Parcels D-1 and G

ERRG-2608-0004-0002

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Photo 1: Cover Installation – Rerolling compacted first foot of cover material to smooth out the working surface prior to placement of the demarcation layer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 28, 2011

Photo 2: Cover Installation – Installation of the demarcation fabric with 1-foot minimum overlap width.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 28, 2011

Photo 3: Cover Installation – Spreading of the first foot of cover material above the installed demarcation layer and demarcation tape.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 28, 2011

Photo 4: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Rerolled B3416 in Parcel B to smooth out the fill material, per the punchlist items identified in the pre-final walkthough.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 28, 2011

Photo 5: Hotspot Excavation and Backfill at Parcels B, D-1, and G – Rerolled B4716 in Parcel B to smooth out the fill material, per the punchlist items identified in the pre-final walkthough.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: April 28, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 02/MAY/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	120

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny, windy	65	50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 2 small barges.	ERRG	1	Construction Manager	0
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	8
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	8
	Continue placing demarcation fabric and tape in SE corner of cover area.	ERRG	1	H&S Manager	8
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	0
		ERRG	5	Truck Drivers	40
		ERRG	4	Equipment Operators	32
		ERRG	4	Laborers	32
		Jerico	4	Marine Subcontractor	32

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	160
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	15827.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	15987.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	4K water truck - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 30 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	United Rentals	2K Water Truck - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/2/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 02/MAY/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	120 cont.

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny, windy	65	50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	2

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/2/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard CONTRACT # N64273-09-D-2608

DATE 5/2/11 TIME 0700 PROJECT NUMBER 29 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07/18

TYPE OF WORK install fabric, load soil

SAFETY TOPICS PRESENTED

SAFETY TOPICS Speed! Barricades, etc.

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS ~~Potential for low level radiation~~ hw

PHYSICAL HAZARDS slips, trips, falls, heavy equipment operation, wind, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital PHONE 911/ 415-641-6625(ER) PARAMEDIC PHONE 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE:

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Larry Johnson	ERRG	Larry Johnson
Liz Binning	ERRG	
Chris Stack	ERRG	
Larry Stack	ERRG	
Oscar Rocha	ERRG	
Samuel Martinez	ERRG	
Saul Thomas	ERRG	
Rafael Loza	ERRG	Rafael Loza
Fernando Loza	ERRG	
Alberto Melgoza	ERRG	
Vicente Valencia	ERRG	
Guadalupe Trujillo	ERRG	
Sergio Rosales	ERRG	
William Lakey	ERRG	
Tim Woodson	ERRG	

Health & Safety Officer HW

SIGNATURE H. Wollenburg

SUPERINTENDENT Kirby Barley

SIGNATURE

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18

AHA #: soil loading soil cover install demarc. layer

Title/Position:	Print Name	Signature	Date/Time
Superintendent:			
Site Safety Officer:	H. Wollenburg		5/2/11 0700
Employee(s):	Larry Johnson	Larry Johnson	5-2-11 7:00 AM
QCM	Liz Binning		5/2/11 900
	Chris Stack		5/2/11 7:00 AM
	Larry Stack		5-2-11 7:00 AM
	OSCAR OROZCO		5-2-11 - 700
	Samuel Martinez		5-2-11 - 700
	Jack Thomas		5-2-11 - 700
	Rafael Loza	Rafael Loza	5-2-11 - 700
	Fernando Loza		5-2-11 - 700
	ALBERTO MELGOZA	J. AM	5-2-11 - 7:00
FOREMAN	VICENTE VALENCIA		5-2-11 7 AM
	Sergio Psyla		5/2/11 7:00 AM
	Guadalupe Tello		5/2/11 7:00 AM
V	William Tello		5/2/11 7 AM

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenburg | Client: Dept of the Navy
Day: Monday | Date: 5/2/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots | Project No.: 29-141
Weather: sunny, windy | Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities: see below

0700 Tailgate safety meeting: speed! installed barricades & stop/slow/traffic signs in parking area
- install soil cover - 2 ~~large~~ small barges
- install demarcation layer & tape

1200 lunch

1300 clam shell malfunction - no more offloading today
all crews placing fabric - dozer operators & offroads gone home

1530 crew offsite

- equip in use: 2 dozers, 2k water, 4k water truck, 3 offroad dumps, 1 loader, 1 compactor, 1 skip loader

Signed: [signature] Date: 5/2/11

ERRG

AIR MONITORING LOG SHEET

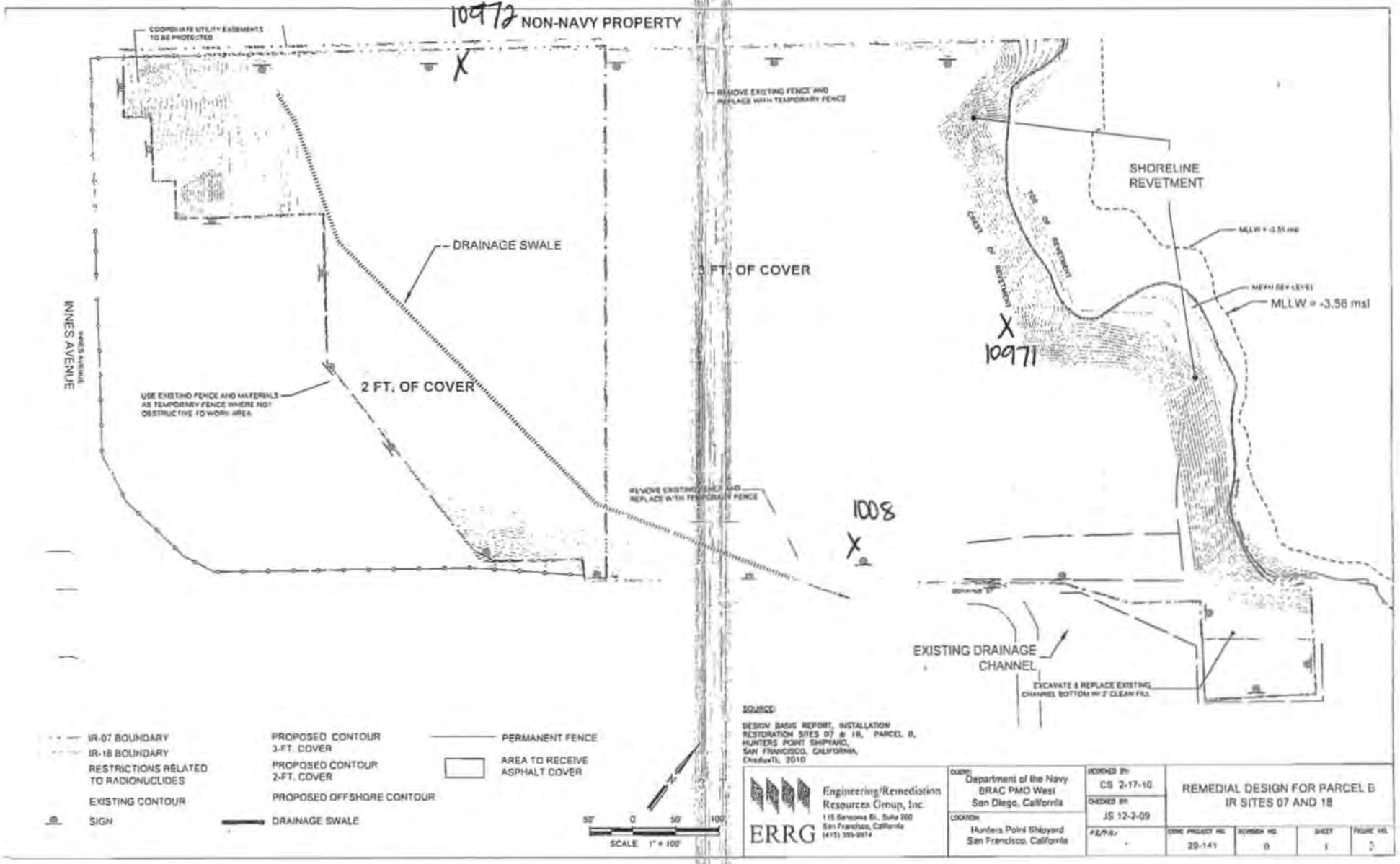
Prepared by: H. Wollenburg
Project Name: HPNS
Site Location: IR07/18
Calibration (Date and Time): 5/2/11 @0700

Client: US Navy
Project No.: 29-141
Page: 1 of
Standard Used: Zero bag

Location	Date	Time	Instrument conc. ~~PID~~	TWA DataRAM	Comments
1008	5/2/11	0737	0.026	0.046	
10971		0738	0.026	0.025	
10972		0741	0.000	0.007	
1008		0913	0.005	0.014	
10971		0916	0.016	0.018	
10972		0919	0.000	0.004	
1008		1120	0.000	0.000	* need to change batt
10971		1122	0.004	0.004	* "
10972		1124	0.000	0.000	
10972		1325	0.009	0.006	* need to change batt
1008		1350	0.052	0.079	changed battery
10971		1353	0.032	0.031	changed battery
1008		1505	0.002	0.024	
10971		1506	0.014	0.018	
10972	↓	1509	0.006	0.016	changed batt

HW

5/2/11


10972
NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
2 FT. OF COVER
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
10971
1008
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT. COVER
PROPOSED CONTOUR 2-FT. COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
50' 0 50' 100'
SCALE 1" = 100'
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, (Tetra Tech, 2010)
ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 399-0874
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
P.E./P.G.:
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
CTO NO. 29-141
REVISION NO. 0
SHEET 1
FIGURE NO. 2

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 02/MAY/11

REPORT NO 120

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first and second lift of cover soil on the southeast and
	southwest slopes. Continued installation of the demarcation fabric and demarcation tape. Continued spreading and compacting first lift of soil
	above the demarcation layer. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Installed delineators and traffic signs along haul route in parking lot near artists' studios to minimize cross traffic into the haul route.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/02/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/02/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/02/2011

Photo 1: Cover Installation – Placing additional material for first lift above demarcation layer above already established lift.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 2, 2011

Photo 2: Cover Installation – Pushing out additional material above the demarcation layer using the low ground pressure (LGP) dozer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 2, 2011

Photo 3: Cover Installation – Installation of the demarcation layer and demarcation tape.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 2, 2011

Photo 4: Cover Installation – Installed delineators and traffic signs along haul route in parking lot near artists' studios.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 2, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 03/MAY/11	REPORT NO: 121
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy	PM WEATHER: Sunny, windy	MAX TEMP (F): 68	MIN TEMP (F): 50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.	ERRG	1	Construction Manager	6
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	10
	Continue placing demarcation fabric and tape in SE corner of cover area.	ERRG	1	H&S Manager	10
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	10
		ERRG	5	Truck Drivers	50
		ERRG	4	Equipment Operators	40
		ERRG	4	Laborers	40
		Jerico	4	Marine Subcontractor	32
		ERRG	1	Project Manager	5

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 213
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 15987.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 16200.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	4K water truck - 1ea	10
	Harris Blade	D6R Bulldozer-1ea	10
	Harris Blade	CAT 30 ton articulated offroad dump truck	10
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	10
	United Rentals	2K Water Truck - 1ea	10

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/3/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 03/MAY/11	REPORT NO: 121 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy	PM WEATHER: Sunny, windy	MAX TEMP (F): 68	MIN TEMP (F): 50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	10
	Harris Blade	84" Smooth Drum Compactor - 1 ea	10
	harris Blade	Volvo 35 ton articulated offroad dump truck	10
	Harris Blade	30 ton articulated offroad dump truck	10
	United Rentals	JD 210 Skip Loader	4

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/3/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard CONTRACT # N64273-09-D-2608

DATE 5/3/11 TIME 0700 PROJECT NUMBER 29-141

CLIENT Department of the Navy

SPECIFIC LOCATION IR07/18 & Dry Dock 3

TYPE OF WORK loading/impt soil & install demarcation layer

SAFETY TOPICS PRESENTED

SAFETY TOPICS backing up, spotting!!

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and ~~PFD (personal flotation device)~~ as necessary. hw

CHEMICAL HAZARDS ~~Potential for low level radiation~~ hw

PHYSICAL HAZARDS Wind slips, trips, heavy equipment operation, speed, ergonomics

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital PHONE 911/ 415-641-6625(ER) PARAMEDIC PHONE 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE:

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
VICENTE VALENCIA	ERRG	
Larry Stack	ERRG	
Chris Stach	ERRG	
Larry Johnson	ERRG	
Samuel Martinez	ERRG	
Rafael Loza	ERRG	
Fernando Loza	ERRG	
OSCAR OROZCO	ERRG	
Ken Mark	ERRG	
Elizabeth Creek	ERRG	
C Simmons	ERRG	
Shirley Ng	ROICC	

Health & Safety Officer H. Wollenburg

SIGNATURE

SUPERINTENDENT King Bailey

SIGNATURE

ERRG

TAILGATE SAFETY MEETING

DATE 5/3/11 **TIME** 0700 **PROJECT NUMBER** 29-141

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Les Sanderson	BRRC	

Health & Safety Officer H. Wollenburg **SUPERINTENDENT**

SIGNATURE **SIGNATURE**

1. soil import / fill
2. install demarcation layer
3. soil trucking

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:			
Site Safety Officer:	H. Wollenburg	[signature]	5/3/11
Employee(s): #203	O OROZEO	[signature]	5/3/11
	F. LOZA	[signature]	5-3-11
	R. Loza	Rafael Loza	
	Sergio Pasula	[signature]	5/3/11
	Guadalupe Trujillo	[signature]	5-3-11
	Samuel Martinez	[signature]	5-3-11
	Chris Stack	[signature]	5-3-11
	Larry Johnson	Larry Johnson	5-3-11
	Larry Stack	[signature]	5-3-11
	Vilianne Celfi	[signature]	5-4-11
	ALBERTO-MELGOZA	[signature]	5-3-11
	King Bailey	[signature]	5-3-2011
FOREMAN	VICENTE VALENCIA	Vicente Valencia	5-3-2011
	Elizabeth Creek	[signature]	5/3/11
	Ken Mark	[signature]	5/3/11
	Jack Thomas	[signature]	5/3/11
CQM	Liz Binning	[signature]	5/3/11
	C. Simmons	[signature]	5/3/11

DAILY FIELD ACTIVITY LOG

Prepared by: ~~Richard Epp~~ H. Wollenburg | Client: Dept of the Navy
RG Day: Tuesday | Date: 5/3/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots | Project No.: 29-141
Weather: Sunny, clear | Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities: Install soil cover, install demarcation layer (one large barge today)

0700 tailgate safety meeting; review applicable AHAs

- Larry working on slope cover (first lift)
- continue installing soil cover & demarcation layer & tape

1200 lunch

1300 QC meeting

1530 continue loading soil & importing until 5PM.

1700 crew offsite, site secure

Equipment being used: 2 dozers, 1 loader, 1 compactor, 1 skip loader, 3 offroad dump, 1 4K water truck, 1 2K water trucks.

Signed: HW Date: 5/3/11

AIR MONITORING LOG SHEET

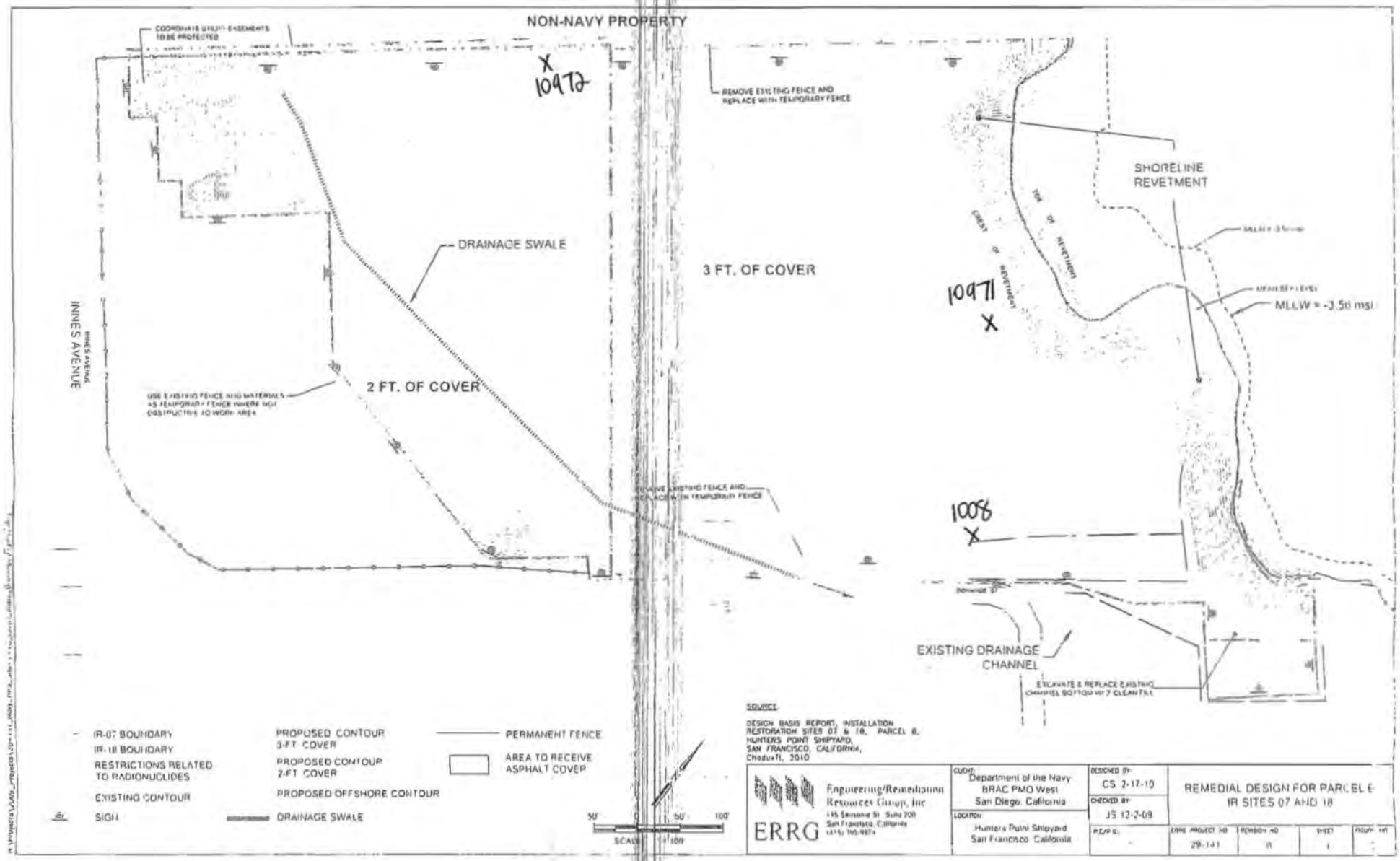
ERRG

Prepared by: H. Wollenburg / E Creek
Project Name: HPNS IR07 P18
Site Location: Hunters Point
Calibration (Date and Time): ~~5/2/11~~ @0700 5/3/11 EB

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used: zero bag

Location	Date	Time	conc. Instrument ~~PID~~ ~~HNU~~ TWA DataRAM		Comments
1008	5/3/11	0722	0.020	0.025	
10971		0723	0.017	0.015	
10972		0727	0.016	0.024	
1008		0829	0.014	0.023	
10971		0832	0.016	0.007	
10972		0836	0.019	0.008	
1008		0929	0.014	0.018	
10971		0933	0.025	0.012	
10972		0935	0.002	0.011	
1008		1030	0.014	0.017	
10971		1032	0.017	0.015	
10972		1035	0.000	0.009	
1008		1133	0.012	0.016	
10971		1135	0.013	0.016	
10972		1137	0.001	0.007	
1008		1233	0.006	0.014	
10971		1235	0.014	0.024	off, but batt @ 50%
10972		1239	0.001	0.006	
1008		1348	0.008	0.031	off, change batt
10972		1442	0.000	0.003	
1008		1458	0.009	0.010	
10971		1459	0.019	0.020	changed battery
1008		1600	0.009	0.011	
10971		1603	0.015	0.017	
10972		1619	0.000	0.000	change battery
10971		1705	0.012	0.017	
10972		1707	0.000	0.000	
1008		1712	~~0.000~~ 0.005	0.010	

5/3/11



NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
X 10972
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
10971 X
MLLW = -3.56 msl
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
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EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2 CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE 50' 0 50' 100'
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwick, 2010
ERRG
Engineering/Remediation Resources Group, Inc
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
ERRG PROJECT NO 29-141
REVISION NO 0
SHEET 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 03/MAY/11

REPORT NO 121

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first and second lift of cover soil on the southeast and
	southwest slopes. Continued installation of the demarcation fabric and demarcation tape. Continued spreading and compacting first lift of soil
	above the demarcation layer. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/03/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/03/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/03/2011

Photo 1: Cover Installation – Pushing out additional material above the demarcation layer using the low ground pressure (LGP) dozer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 3, 2011

Photo 2: Cover Installation – Compacting first lift above the demarcation layer using the smooth drum compactor.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 3, 2011

Photo 3: Cover Installation – Spreading the first lift of cover material on the southeast slope of the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 3, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 04/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 122

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny	84	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 2 small barges.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	8
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	9
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	8
		ERRG	5	Truck Drivers	40
		ERRG	4	Equipment Operators	32
		ERRG	4	Laborers	32
		Jerico	4	Marine Subcontractor	32
		ERRG	6	Project Manager	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	178
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	16200.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	16378.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	4K water truck - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 30 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	United Rentals	2K Water Truck - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/4/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 04/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 122 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny	84	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	4
	Harris Blade	35 ton articulated offroad dump truck (delivered; not used)	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/4/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5-4-2011 **TIME** 7:00 AM **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION HPNS IR07/18

TYPE OF WORK install soil cover, install demarcation layer

SAFETY TOPICS PRESENTED

SAFETY TOPICS Fluid spills

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS ~~Potential for low level radiation~~ hw

PHYSICAL HAZARDS slips, trips, falls, heavy equip operation

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE:

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
VICENTE VALENCIA	ERRG	Vicente Valencia
Sergio Aguilera	ERRG	[illegible]
Guadalupe [illegible]	ERRG	Guadalupe [illegible]
Villamil [illegible]	ERRG	[illegible]
OSCAR OROZCO	ERRG	[illegible]
Jack Thomas	ERRG	[illegible]
Larry Stack	ERRG	[illegible]
Ken Mark	ERRG	[illegible]
Larry Johnson	ERRG	Larry Johnson
Chris Stach	ERRG	[illegible]
Samuel Martinez	ERRG	[illegible]
Rafael Loza	ERRG	Rafael Loza
Fernando Loza	ERRG	[illegible]
ALBERTO MELGOSA	ERRG	[illegible]
Elizabeth Creek	ERRG	[illegible]
Liz Binning	ERRG	[illegible]
Rowan Tucker	ERRG	[illegible]
JOHN SOURIAL	ERRG	[illegible]
TIM WOODSON	ERRG	[illegible]

Health & Safety Officer [signature] **SUPERINTENDENT** King Bailey

SIGNATURE Heather Wollenburg **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenburg
Day: Wednesday
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: sunny, clear
Site Visitors: See Tailgate Sign In Log. Tim Woodson

Client: Dept of the Navy
Date: 5/4/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities: install soil cover, install demarcation layer

0100 Tailgate safety meeting – 2 small barges today continue install fabric & tape & cover

0930 Fuel truck

1000 Tim Woodson (ERRG corporate) onsite
1115 first barge done
1200 lunch
1330 water truck (AK) stuck
1350 2nd Barge down
1500 overheating offroad dump – parked & off (4th dump arrives
1530 crew offsite

equipment being used: 2 dozers, 1 loader, 1 compactor, 1 skip loader, 3 offroad dumps, 2 water trucks

Signed: [signature] Date: 5/4/11

AIR MONITORING LOG SHEET

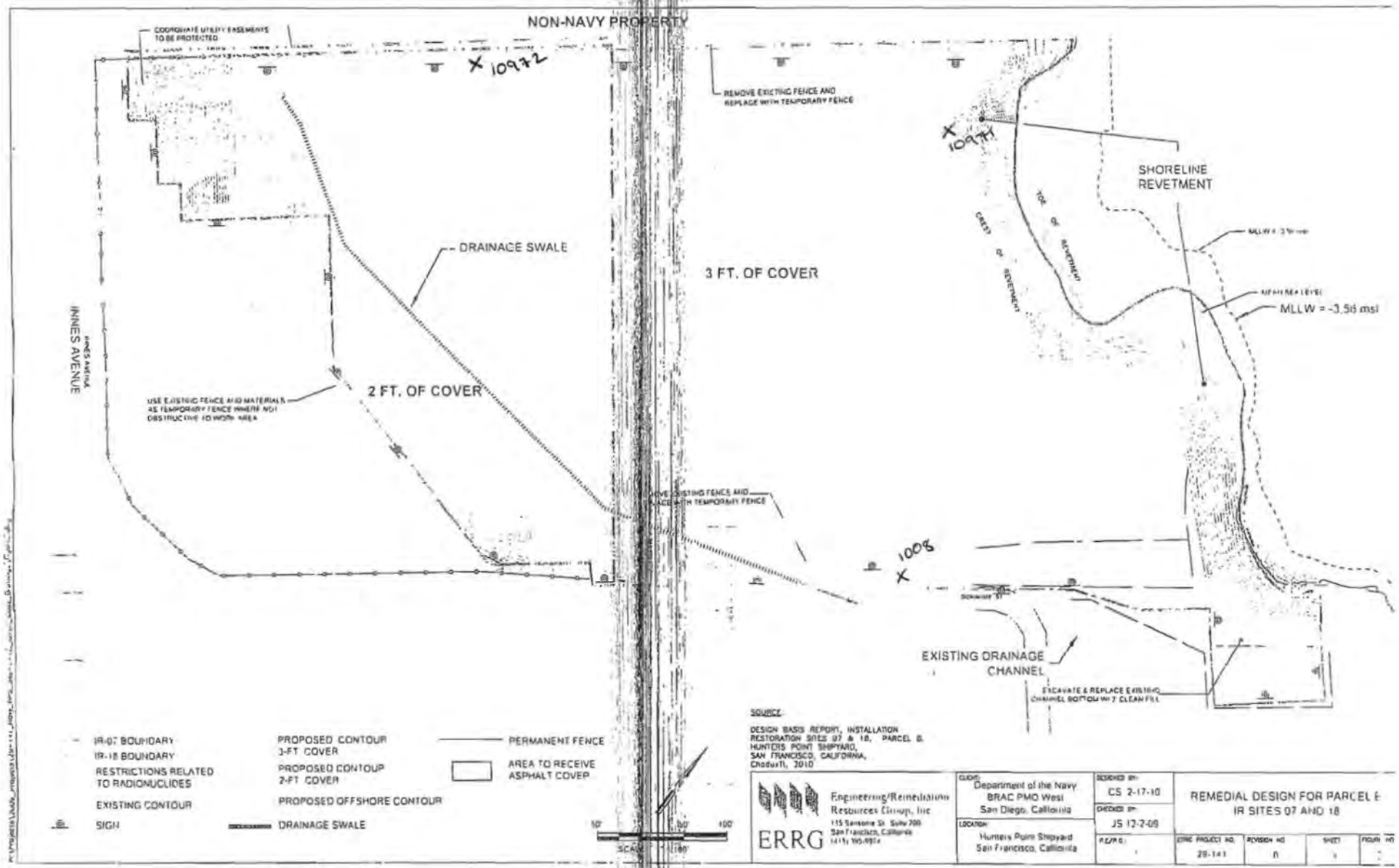
ERRG

Prepared by: E. Creek
Project Name: ~~HPNS~~ Hunters Point B ~~1~~ IR04/18
Site Location: SF CA
Calibration (Date and Time): 5/2/11 @0700

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used: zero bag

Location	Date	Time	Instrument conc. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10972	5/4/11	0732	0.077	0.015	batt 99%
10971		0728	0.051	0.026	batt 99%
1008		0735	0.127	0.057	batt 86%
1008		0817	0.045	0.052	
10971		0820	0.046	0.049	
10972		0822	0.045	0.048	
1008		0916	0.042	0.046	
10971		0919	0.041	0.044	
10972		0921	0.047	0.047	
1008		1021	0.010	0.042	
10971		1024	0.027	0.041	
10972		1027	0.039	0.045	
1008		1124	0.014	0.032	
10971		1128	0.014	0.032	off, but batt @ 74%
10972		1130	0.020	0.038	
1008		1239	0.006	0.018	change batt
10971		1244	0.013	0.021	change batt
10972		1246	0.006	0.032	
1008		1346	0.025	0.005	
10971		1350	0.005	0.009	
10972		1353	0.011	0.026	
1008		1428	0.017	0.005	
10971		1431	0.011	0.009	
10972		1434	0.003	0.024	
10972		1553	0.011	0.022	
10971		1555	0.008	0.008	
1008		1557	0.009	0.003	

5/4/11



NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
X 10972
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
X 10971
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
MLLW = -3.56 msl
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
1008
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChoduxTi, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St. Suite 700
San Francisco, California
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 04/MAY/11

REPORT NO 122

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first and second lift of cover soil on the southeast slope
	Continued installation of the demarcation fabric and demarcation tape. Continued spreading and compacting first lift of soil above the
	demarcation layer. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/04/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/04/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/04/2011

Photo 1: Cover Installation – Hauling cover material using offroad dump trucks to the compacted material above the demarcation layer. Spreading new material using the low ground pressure (LGP) dozer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 4, 2011

Photo 2: Cover Installation – Spreading the first lift of cover material on the southeast slope of the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 4, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 05/MAY/11	REPORT NO: 123
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny, clear	PM WEATHER: Sunny	MAX TEMP (F): 84	MIN TEMP (F): 52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	10
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	10
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	10
		ERRG	4	Truck Drivers	40
		ERRG	4	Equipment Operators	40
		ERRG	5	Laborers	50
		Jerico	4	Marine Subcontractor	40
		ERRG	5	Project Manager	5

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	215
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	16378.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	16593.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	4K water truck - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	10
	Harris Blade	CAT 30 ton articulated offroad dump truck	10
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	10
	United Rentals	2K Water Truck - 1ea	10

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/5/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 05/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 123 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny, clear	Sunny	84	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	10
	Harris Blade	84" Smooth Drum Compactor - 1 ea	10
	harris Blade	Volvo 35 ton articulated offroad dump truck	10
	Harris Blade	30 ton articulated offroad dump truck	10
	United Rentals	JD 210 Skip Loader	4
	Harris Blade	35 ton articulated offroad dump truck (delivered; not used)	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/5/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/5/11 **TIME** 0700 **PROJECT NUMBER** 29 141

CLIENT Department of the Navy

SPECIFIC LOCATION HPNS IR07/18

TYPE OF WORK install soil cover, install demarcation layer

SAFETY TOPICS PRESENTED don't backup; overheating equip.

SAFETY TOPICS speed, don't change directions w/o all knowing, CHECK EQUIP!

PROTECTIVE CLOTHING/EQUIPMENT Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and PFD (personal flotation device) as necessary.

CHEMICAL HAZARDS ~~Potential for low level radiation~~ fuels

PHYSICAL HAZARDS slips, trips, falls, heavy equip operation, speed

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625(ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT None

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Chris Stack	ERRG	[signature]
Larry Johnson	ERRG	[signature]
Larry Stack	ERRG	[signature]
Rafael Loza	ERRG	Rafael Loza
Elizabeth Creek	ERRG	[signature]
Samuel Martinez	ERRG	[signature]
Oscar Orozco	ERRG	[signature]
Fernando Loza	ERRG	[signature]
Jack Thomas	ERRG	[signature]
Alberto Mendoza	ERRG	[signature]
Ken Mark	ERRG	[signature]
Sergio Aguilera	ERRG	[signature]
Guadalupe Trujillo	ERRG	[signature]
[illegible]	ERRG	[signature]
Vicente Valencia	ERRG	[signature]
Liz Binning	ERRG	[signature]

Health & Safety Officer [signature]

SIGNATURE H. Wollenburg

SUPERINTENDENT Greg Bailey

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenburg
Client: Dept of the Navy
Day: Friday
Date: ~~Fri~~ hw 5/6/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: ~~Fri~~ hw sunny
Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities: Impact soil cover, install demarcation layer

0700 tailgate safety meeting
- review AHAs - DUST, SPEED

- fuel equipment (SOCO Lubricants)

1100 window fixed in loader

1200 lunch

1730 crew offsite

Equipment used onsite: 2 dozers, 1 loader, 1 compactor, 1 skip loader, 4 offroad dump trucks, 2 water trucks

Signed: [signature] Date: 5/6/11

AIR MONITORING LOG SHEET

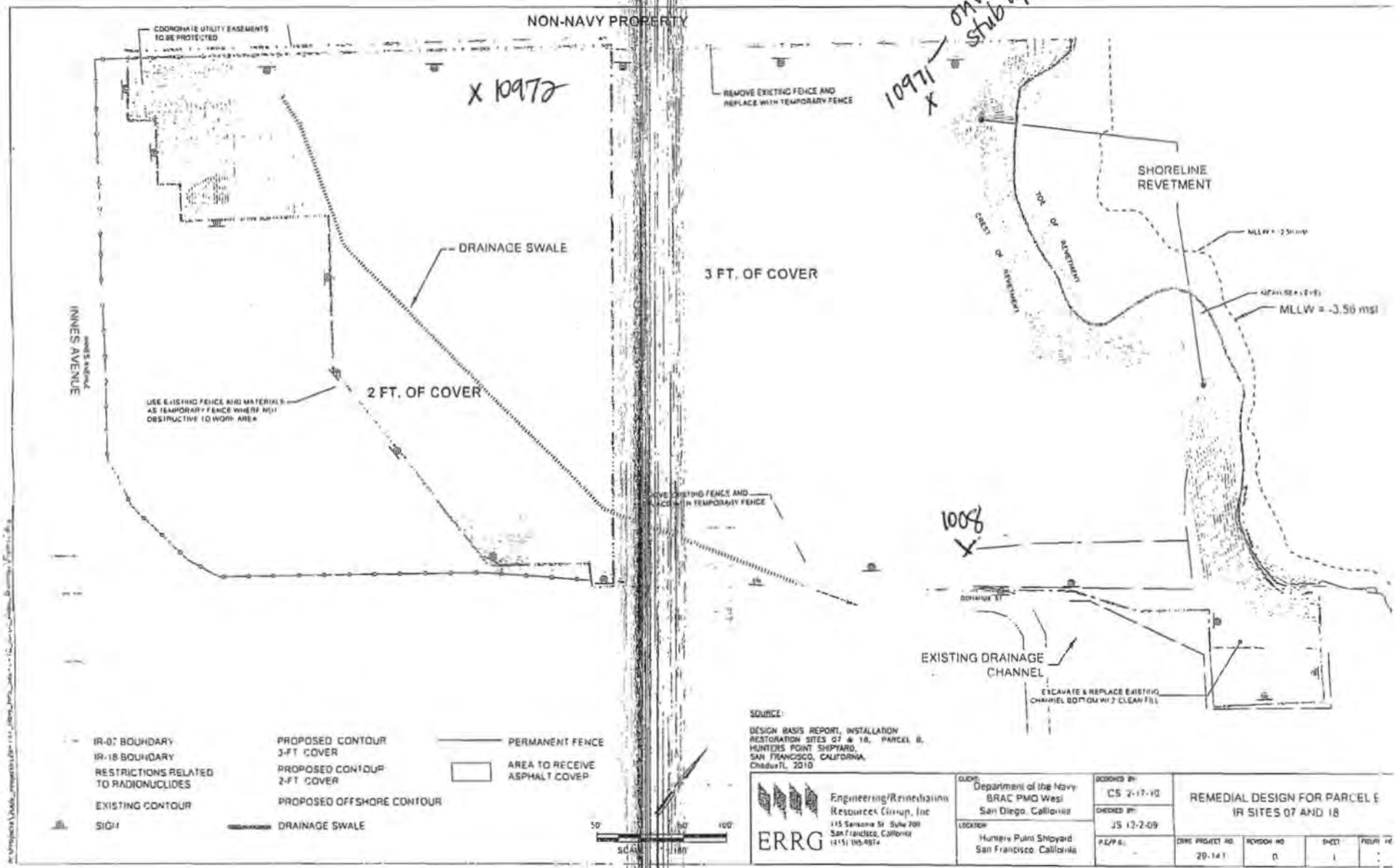
ERRG

Prepared by: H. Wollenburg / E. Creek
Project Name: HPNS IR07/18
Site Location: Hunters Point
Calibration (Date and Time): 5/2/11 @0700

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used:

Location	Date	Time	Conc. Instrument TWA ~~PID~~ DataRAM		Comments
1008	5/5/11	0739	0.055	0.062	
10971		0742	0.053	0.069	
10972		0746	0.108	0.156	no activity - needs calibrate
1008		0841	0.033	0.040	
10971		0844	0.039	0.043	
10972		0846	0.067	0.077	
10971		0940	0.038	0.041	
1008		0952	0.061	0.039	
10972		1003	0.064	0.068	off, 50+90 batt, tighten screw, maybe replace?
1008		1044	0.052	0.038	
10971		1055	0.041	0.041	
10972		1102	0.063	0.069	changed batt
~~1008~~		~~1133~~	~~0.033~~	~~0.038~~	~~off, changed batt~~ see
10971		1139	0.041	0.047	off, changed batt
10972		1144	0.067	0.066	
1008		1254	0.027	0.037	change batt
~~1008~~ 10971		1259	0.033	0.041	
10972		1302	0.068	0.070	
1008		1354	0.043	0.056	change batt
10971		1359	0.041	0.040	
10972		1402	0.082	0.069	
1008		1442	0.072	0.080	
10972		1458	0.046	0.067	
10971		1500	0.027	0.038	
1008		1555	0.028	0.058	
10971		1559	0.023	0.035	
10972		1601	0.043	0.064	
1008		1701	0.085	0.052	
10972		1705	0.055	0.062	
10971		1708	0.035	0.035	
1008		1722	0.052	0.052	
~~10972~~		1725	0.062	0.063	
10971 ~~10970~~		1728	0.039	0.035	

5/5/11



SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010

ERRG Engineering/Remediation Resources Group, Inc 115 Sansome St Suite 700 San Francisco, California (415) 765-6974	CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 2-17-10	REMEDIAL DESIGN FOR PARCEL E IR SITES 07 AND 18
	LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 12-2-09	
	P.E./P.G.: -	ERRG PROJECT NO. 29-141	REVISION NO. 0
		SHEET 1	FIGURE NO.

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 05/MAY/11

REPORT NO 123

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading first and second lift of cover soil on the southeast slope. Continued
	installation of the demarcation fabric and demarcation tape. Continued spreading and compacting first lift of soil above the demarcation layer.
	Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/05/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/05/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/05/2011

Photo 1: Cover Installation – Offloading of soil from the barge at Dry Dock 3.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 5, 2011

Photo 2: Cover Installation – Hauling cover material using offroad dump trucks to the compacted material above the demarcation layer. Spreading new material using the low ground pressure (LGP) dozer.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 5, 2011

Photo 3: Cover Installation – Installation of the demarcation layer above the compacted and smoothed first foot of cover material.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 5, 2011

Photo 4: Cover Installation – Compacting the first lift of cover material above the demarcation layer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 5, 2011

Photo 5: Cover Installation – Spreading the first lift of cover material on the southeast slope of the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 5, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 06/MAY/11	REPORT NO: 124
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Mostly cloudy	PM WEATHER: Cloudy, windy	MAX TEMP (F): 58	MIN TEMP (F): 52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 small barge.	ERRG	1	Construction Manager	0
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	10
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	10
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	10
		ERRG	5	Truck Drivers	31
		ERRG	4	Equipment Operators	35.5
		ERRG	5	Laborers	52
		Jerico	4	Marine Subcontractor	20
		ERRG	1	Project Manager	4

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	182.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	16593.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	16776

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer - 1ea	6.5
	Harris Blade	CAT 30 ton articulated offroad dump truck	6
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25 KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	9
	Hertz	2K Water Truck - 1ea	9

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/6/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 06/MAY/11	REPORT NO: 124 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Mostly cloudy	PM WEATHER: Cloudy, windy	MAX TEMP (F): 58	MIN TEMP (F): 52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	6.5
	Harris Blade	84" Smooth Drum Compactor - 1 ea	6
	Harris Blade	Volvo 35 ton articulated offroad dump truck	6
	Harris Blade	30 ton articulated offroad dump truck	6
	United Rentals	JD 210 Skip Loader	7.5
	Harris Blade	35 ton articulated offroad dump truck (delivered; not used)	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/6/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5-6-2011 **TIME** 7:00 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK install soil cover, install demarcation layer

SAFETY TOPICS PRESENTED

SAFETY TOPICS Buried Obstructions!

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x **Yes** ____ **No**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Rafael Loza	ERRG	Rafael Loza
Vicente Valencia	ERRG	Vicente Valencia
Samuel Martinez	ERRG	Samuel Martinez
Oscar Orozco	ERRG	[illegible]
Guadalupe Trujillo	ERRG	[illegible]
Alberto Melgoza	ERRG	[illegible]
Ken Hark	ERRG	[illegible]
Sergio Aguilar	ERRG	[illegible]
Raul Rodriguez	ERRG	[illegible]
Fernando Loza	ERRG	[illegible]
Villiamme Lelei	ERRG	[illegible]
Larry Johnson	ERRG	[illegible]
Elizabeth Creek	ERRG	[illegible]
Chris Stack	ERRG	[illegible]
Larry Stack	ERRG	[illegible]
Jack Thomas	ERRG	[illegible]
Liz Binning	ERRG	[illegible]
Jean Souriau	ERRG	[illegible]
[illegible]	ONS	

Health & Safety Officer [illegible]

SIGNATURE H. Wollenburg

SUPERINTENDENT King Barley

SIGNATURE [illegible]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: ~~Richard Epp~~ H. Wollenburg
Day: Friday
Client: Dept of the Navy
Date: 5/6/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather:
Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities: continue installing cover & demarcation layer

0700 Tailgate Safety Mtg; review AHAs – 2 small barges → slow offload, malfunction equipment – continue installing cover & fabric/tape

1130 no barge offload, lunch

1400 high winds; safety standown to discuss continuing work safely

1430 install/housekeeping trailer & conex

1530 most crew offsite; only Jack/FL/onsite to offload barge

1630 FL/JT offsite

1730 Tech crew offsite

EQuipment being used: 2 ~~2~~ water trucks, 2 dozers, 1 loader, 1 compactor, ~~4 of~~ 3 offroad dumps, 1 skip loader

Signed: [signature] Date: 5/6/11

AIR MONITORING LOG SHEET

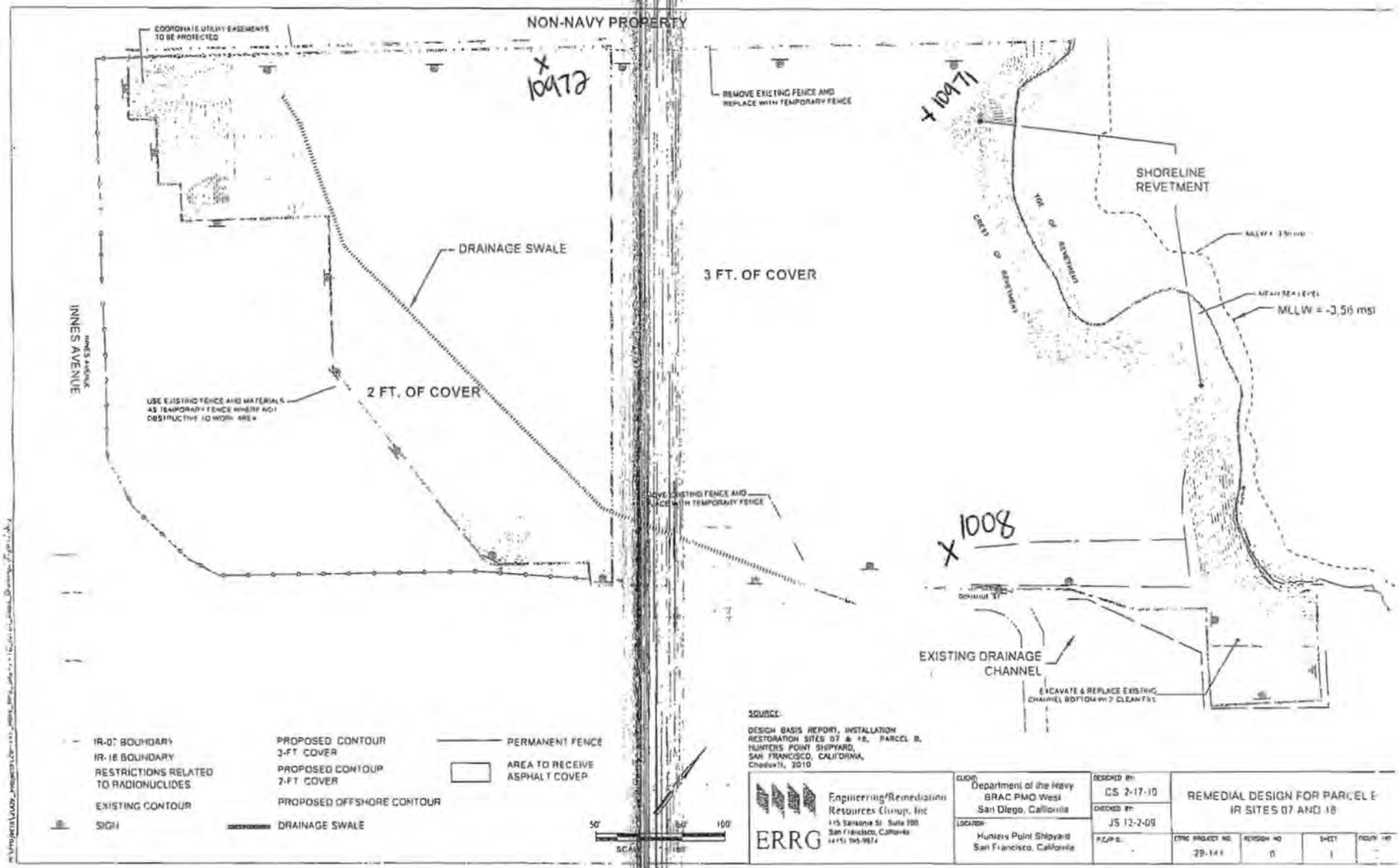
ERRG

Prepared by: H. Wollenburg / E. Creek
Project Name: Hunters Pt
Site Location: IR07/18
Calibration (Date and Time): 5/6/11 @ 0730

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used: zero bag

Location	Date	Time	conc. Instrument TWA ~~PID~~	DataRAM	Comments
1008	5/6/11	0759	0.038	0.035	
10971		0805	0.027	0.026	
10972		0809	0.064	0.114	
1008		0911	0.053	0.043	
10972		0914	0.041	0.033	
10971		0917	0.033	0.029	was off - need to change ba
1008		1006	0.045	0.043	
10972		1013	0.045	0.035	
10971		1024	0.029	0.026	off - changed batt
1008		1120	0.028	0.039	
10972		1128	0.074	0.041	off - changed batt
10971		1132	0.024	0.023	
~~1008~~		~~1232~~	~~0.032~~	~~0.055~~	~~off - changed batt~~
10972		~~OR 1238~~	0.029	0.039	
10971		1242	0.031	0.023	
1008		1351	0.062	0.076	
10972		1354	0.044	0.048	
10971		1357	0.021	0.027	
10172		1448	0.078	0.049	
10971		1450	0.094	0.027	
1008		1454	0.040	0.066	

5/6/11


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
X 10972
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
X 10971
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MEAN SEA LEVEL
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
2 FT. OF COVER
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
X 1008
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
50'
0'
100'
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, October 10, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St Suite 700
San Francisco, California
(415) 395-9974
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
P.E./P.G. -
REMEDIAL DESIGN FOR PARCEL E IR SITES 07 AND 18
ERRG PROJECT NO. 29-141
REVISION NO 0
SHEET 1

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: WS- 2K Water truck **Identification Number:** WS-12

Project Number / Name: 29-141 HPNSY **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Fri. dy Km 5/6/11															
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	Left side marker out
Steering and other controls	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: Fire extinguisher took it out of HB Water truck

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D6 Dozer LGP **Identification Number:** BMA36152

Project Number / Name: Hunters Point **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-2-11 ZBA			5-3-11			5-4-11 ZBA			5-5-11 ZBA			5-6-11 ZBA			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D-6R Dozer **Identification Number:** MS8X63

Project Number / Name: 29-141 **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-2-11 L.J			5-3-11 L.J			5-4-11 L.J			5-5-11 L.J			5-6-11 L.J			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Case 330 haul truck **Identification Number:** WF6H77

Project Number / Name: H.P. Naval yard **Rental** ☒ **ERRG** ☐

Heavy Equipment Defects																
Inspected By (Initials) And Date:	5-2-11 CS			5-3-11 CS			5-4-11 CS			5-5-11 CS			5/06/11 DR			**Defect(s):**
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Guards on moving parts?	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Engine belts and hoses	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☐	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Brakes	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 2K WATER TRUCK **Identification Number:** 548734 LIC PLATE

Project Number / Name: 29-141 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	FL 5-2-11			FL 5-3-11			FL 5-4-11			FL 5-5-11			FL 5-6-11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	☒	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	DRIVER SIDE STEP DAMAGED
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☒	☐	☐	☑	☐	SMALL WET SPOT ON STEERING BOX
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	ABS LIGHT ON

Explain corrective actions taken: HOOD DAMAGED ON PASSENGER SIDE AND DOOR DAMAGED DRIVER SIDE DOOR DAMAGED, MISSING PART OF THE FENDERS DUE TO BIG TIRES.

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Cat 972 Loader **Identification Number:** CX9V38

Project Number / Name: HPNS **Rental** ☒ **ERRG** ☐

Heavy Equipment Defects															
Inspected By (Initials) And Date:	4/2/11 JT. Monday			4/3/11 JT Tuesday			4-4-11 Wednesday			4-5-11 Thursday			4-6-11 Friday			**Defect(s):**
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 4+3 M 69 CAT 735 **Identification Number:** OMS212

Project Number / Name: 29-141 **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	S.A 5/2/11			SA 5/3/11			SA 5/4/11			S.A 5/5/11						
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Tracks	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☑	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☐	☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☐	☐	☑	☑	☐	☐	☑	☐	☑	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CAT 735 **Identification Number:** CWGN55

Project Number / Name: 29-141 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects												SA 5/6/11			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Tracks	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	
Steps and handgrips	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Guards on moving parts?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Engine belts and hoses	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Seat belt operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Fire extinguisher present?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Gauges operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Battery charged?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Horn operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Back up alarm operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Steering and other controls	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	
Brakes	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD PUMP TRUCK **Identification Number:** DA3 B73

Project Number / Name: HP HAUY **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-2-11 MON			5-3-11 TUE			5-4-11 WED			5-5-11 THU			5-6-11 FRI			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☑	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	DOOR GLASS CRACKED
Gauges operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: GREASE ON 5-2-11
GREASE ON 5-4-11 ADDED HYDROLIC OIL
GREASE ON 5-6-11

DAILY HEAVY EQUIPMENT INSPECTION

ıment Type: ROLLER Identification Number:

ct Number / Name: HP 29-141 Rental ☒ ERRG ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5/2 Lup Tryjillo			5/3 LT			5/4 LT			5/5 LT			5/6 LT			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
es and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
acks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
eps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
uards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
ngine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
luid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
oading/lifting capacity marked?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☑	☐	☐	

xplain corrective actions taken:

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: SKID LOADER **Identification Number:** WD4M77

Project Number / Name: 29-141 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5/2/11 AM			5-3-11 AM			5-4-11 AM			5-5-11 AM			5-6-11 AM			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Horn operative?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☒	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: WATER TRUCK **Identification Number:** HARRIS WATER TRUCK

Project Number / Name: 29-141 **Rental** ☑ **ERRG** ☐

	Heavy Equipment Defects															
Inspected By (Initials) And Date:	NV 5/2/11			TM 5/3/11			KM 5/4/11									**Defect(s):**
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☐	☐	☑	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	Rear backup light out
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: MISSING 1-R-SIDE STEP AND FRONT BUMPER BEND

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 06/MAY/11

REPORT NO 124

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Continued spreading
	and compacting first lift of soil above the demarcation layer. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/06/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/06/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**				
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up				
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/06/2011

Photo 1: Cover Installation – Installation of the demarcation layer above the compacted and smoothed first foot of cover material.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 6, 2011

Photo 2: Cover Installation – Compacted first lift of cover material above the demarcation layer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 6, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 09/MAY/11	REPORT NO: 125
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy	PM WEATHER: Partly cloudy	MAX TEMP (F): 62	MIN TEMP (F): 49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 small barge.	ERRG	1	Construction Manager	0
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	10
	Continue placing demarcation fabric and tape in cover area.	ERRG	2	H&S Manager	20
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	10
		ERRG	6	Truck Drivers	52
		ERRG	4	Equipment Operators	40
		ERRG	11	Laborers	64
		Jerico	4	Marine Subcontractor	20
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	226
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	16776
TOTAL WORK HOURS FROM START OF CONSTRUCTION	17002

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	10
	Harris Blade	CAT 35 ton articulated offroad dump truck	9
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	10
	Hertz	2K Water Truck with flotation tires - 1ea	10

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/9/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	09/MAY/11		
CONTRACT NO	N62473-09-D-2608	TITLE AND LOCATION	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF
REPORT NO	125 cont.		
CONTRACTOR	Engineering/Remediation Resources Group, Inc.	SUPERINTENDENT	King Bailey
AM WEATHER	Partly cloudy	PM WEATHER	Partly cloudy
MAX TEMP (F)	62	MIN TEMP (F)	49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	10
	Harris Blade	84" Smooth Drum Compactor - 1 ea	10
	harris Blade	Volvo 35 ton articulated offroad dump truck	9
	Harris Blade	Case 30 ton articulated offroad dump truck	9
	United Rentals	JD 210 Skip Loader	4
	Harris Blade	Case 30 ton articulated offroad dump truck	9
	ERRG	2k Water Truck	6

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/9/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5-9-2011 **TIME** 7:00 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK install soil cover, install demarcation layer & tape

SAFETY TOPICS PRESENTED

SAFETY TOPICS House Keeping - Speeds

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x Yes ____ No

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente Valencia	ERRG	[signature]
Williams Lelei	ERRG	[signature]
Paul Rodriguez	ERRG	[signature]
Ken Mark	ERRG	[signature]
Sergio Aguilar	ERRG	[signature]
Guadalupe [illegible]	ERRG	[signature]
H. Wollenburg	ERRG	[signature]
F. Loza	ERRG	[signature]
O Orozco	ERRG	[signature]
Rafael Loza	ERRG	Rafael Loza
Samuel Martinez	ERRG	[signature]
Alberto Meleoza	ERRG	[signature]
Elizabeth A. Creek	ERRG	[signature]
Larry Johnson	ERRG	[signature]
Larry Stack	ERRG	[signature]
Jack Thomas	ERRG	[signature]
Chris Stack	ERRG	[signature]
Lic Binning	ERRG	[signature]
Jose Meleoza		

Health & Safety Officer Dick Cop **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

ERRG

TAILGATE SAFETY MEETING

DATE 5/9/11 TIME 0700 PROJECT NUMBER 29-141

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
SAM HO	TETRA TECH EC	
LUIS M PENA	TETRA TECH EC.	
RUSS ARNEW	Sunbelt Rentals	

Health & Safety Officer _____ SUPERINTENDENT _____

SIGNATURE _____ SIGNATURE _____

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

- import soil
- place / compact
- install demarcation layer

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	King Bailey	[signature]	5-9-11 07:00
Site Safety Officer:	H. Wollenburg	[signature]	5/9/11 0700
Employee(s):	F. Loza	[signature]	5-9-11 0700
	O OROZCO	[signature]	5-9-11 0700
	R. Loza	Rafael Loza	5-9-11 0700
	Samuel Martinez	[signature]	5-9-11 0700
	J. ALBERTO MELGOZA	[signature]	5-9-11 - 7:00
	E. Creek	[signature]	5/9/11 0700
	Larry Johnson	Larry Johnson	5-9-11 7:00
	Larry Stack	[signature]	5-9-11 7:00 AM
	Jack Thomas	[signature]	5-9-11 700 AM
	Chris Stack	[signature]	5-9-11 7:AM
	DICK EPP	[signature]	5-9-11 700
	Vilianna Lecei	[signature]	5-9-11 700
FOREMAN	VICENTE VALENCIA	[signature]	5-9-11 - 7-00
	Raul Rodriguez	[signature]	5-9-11 - 0700
	Ken Mark	[signature]	5-9-11 0700
	Sergio Aguilera	[signature]	5/9/11 7:00
	Guadalupe Trevillo	[signature]	5-9-11 7:00
CQM	Liz Binning / Jose Melgoza	[signature]	5/9/11 0700

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Client: Dept of the Navy
Day: 5/9/11 MONDAY
Date: 5/9/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: CLEAR
Page: 1 of
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

0700 SAFETY TAILGATE – REVIEW OF 3 CURRENT AHA's, TRAFFIC & VEHICLE SPEEDS

OFFLOADING BARGE, LOADING TRUCKS, HAULING FILL TO SITE.

DUMPING FILL, SPREADING & COMPACTING FILL.

INSTALLING FABRIC + TAPE.

MOBILIZED ADDITIONAL WATER TRUCK.

WORKDAY COMPLETED 1730

EQUIPMENT IN USE: 4 OFF-ROAD DUMP TRUCKS, 2 BULLDOZERS, SKID-STEER, ROLLER COMPACTOR, END LOADER, 3 WATER TRUCKS

Signed: Date: 5/9/11

W1

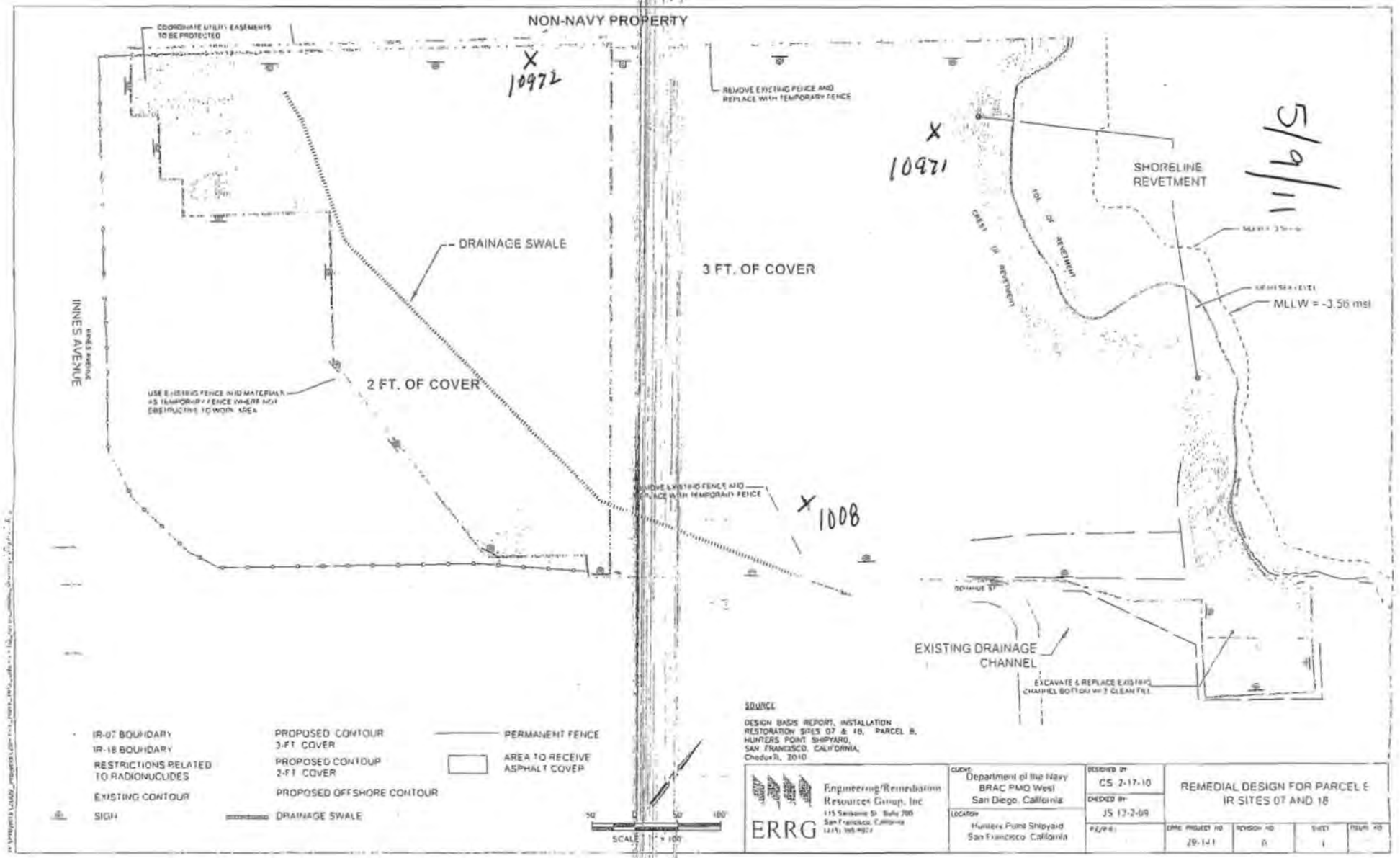
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GPP
Project Name: HUNTS POINT PARCEL B
Site Location: IR-07+18
Calibration (Date and Time): 5/9/11 @ 0730

Client: U.S NAVY
Project No.: 29-141
Page: 1 of
Standard Used: AIRBAG

Location	Date	Time	Instrument conc. ~~PID~~	Instrument Tun ~~DataRAM~~	Comments
1008	5/9/11	0745	0.011	0.010	
10972		0755	0.011	0.044	
10971		0802	0.007	0.007	
1008		0900	0.019	0.008	
10972		0904	0.000	0.000	
10971		0907	0.007	0.009	
1008		1000	0.007	0.010	
10972		1003	0.000	0.000	
10971		1007	0.010	0.009	off-change batt
10972		1015	0.000	0.000	
10971		1018	0.007	0.009	
1008		1027	0.004	0.009	
1008		1132	0.012	0.009	
10972		1131	0.000	0.000	
10971		1140	0.009	0.009	
1008		1311	0.015	0.010	
10972		1315	0.000	0.000	
10971		1317	0.15	0.10	
10971		1410	0.018	0.011	
10972		1412	—	—	OFF
1008		1415	—	—	OFF
1008		1433	0.039	0.071	
10972		1438	0.000	0.000	
1008		1534	0.020	0.033	
10972		1538	0.034	0.000	
10971		1542	0.018	0.013	
10971		1715	—	—	DOWN
10972		1720	0.000	0.000	
1008		1726	0.018	0.024	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
10972
10971
1008
5/9/11
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
2 FT. OF COVER
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2 CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE 1" = 100'
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chedux TI, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St. Suite 700
San Francisco, California
CLIENT
Department of the Navy
BRAC PMO West
San Diego, California
LOCATION
Hunters Point Shipyard
San Francisco, California
DESIGNED BY
CS 2-17-10
CHECKED BY
JS 12-2-09
REMEDIAL DESIGN FOR PARCEL E
IR SITES 07 AND 18
ERRG PROJECT NO
29-141
REVISION NO
0
SHEET
1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 09/MAY/11

REPORT NO 125

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Continued spreading
	and compacting first lift of soil above the demarcation layer. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Sand cone test of 1st lift in I1 failed compaction.
	Sand cone test of 2nd lift in E3 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Received sand cone results back from the lab that indicated that sand cones performed in I1 and E3 had moisture contents less than 3%
	below the optimum moisture content. Will retest these areas using both the nuclear density gauge and the sand cone.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/09/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/09/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**	**X**			Sand cone tests taken 4/21, 4/25, 4/26, 4/28 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/09/2011

Photo 1: Cover Installation – Import of cover soil material from Decker Island Aggregates by barge.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 9, 2011

Photo 2: Cover Installation – Placement of the first lift of cover soil material above the demarcation layer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 9, 2011

Photo 3: Cover Installation – Installed demarcation fabric and demarcation tape grid prior to placement of additional cover soil material.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 9, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	10/MAY/11		
CONTRACT NO	N62473-09-D-2608	TITLE AND LOCATION	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF
REPORT NO	126		
CONTRACTOR	Engineering/Remediation Resources Group, Inc.	SUPERINTENDENT	King Bailey
AM WEATHER	Partly cloudy	PM WEATHER	Partly cloudy, windy
MAX TEMP (F)	60	MIN TEMP (F)	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.	ERRG	1	Construction Manager	0
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	8
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	8
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	8
		ERRG	6	Truck Drivers	48
		ERRG	4	Equipment Operators	32
		ERRG	5	Laborers	33
		Jerico	4	Marine Subcontractor	32
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	179
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	17002
TOTAL WORK HOURS FROM START OF CONSTRUCTION	17181

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/10/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 10/MAY/11	REPORT NO: 126 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy	PM WEATHER: Partly cloudy, windy	MAX TEMP (F): 60	MIN TEMP (F): 51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	ERRG	2k Water Truck	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/10/11 — DATE

TAILGATE SAFETY MEETING

ERRG

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/9/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK Install soil cover, install demarcation layer & tape

SAFETY TOPICS PRESENTED

SAFETY TOPICS Equip Inspections, Speed, Dust, Backing up

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x Yes ____ No

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Paul Rodriguez	ERRG	
Jacob Thomas	ERRG	
VICENTE VALENCIA	ERRG	
Chris Stack	ERRG	
Lanny Johnson	ERRG	
Larry Stack	ERRG	
OSCAR UROZCO	ERRG	
Fernando Loza	ERRG	
ALBERTO MENDOZA	ERRG	
Rafael Loza	ERRG	
Guadalupe Trujillo	ERRG	
Sergio Aguilar	ERRG	
Samuel Martinez	ERRG	
William Wilson	ERRG	
Ken Mark	ERRG	
Elizabeth A. Creek	ERRG	
Liz Bruning	ERRG	

Health & Safety Officer Dick Epp **SIGNATURE**

SUPERINTENDENT Kirby Bailey **SIGNATURE**

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp | Client: Dept of the Navy

Day: | Date:

Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots | Project No.: 29-141

Weather: | Page: of

Site Visitors: See Tailgate Sign In Log.

Description of Field Activities:

0700 SAFETY TAILGATE – BODY MECHANICS & LIFTING WHILE INSTALLING TAPE, TRAFFIC, EQUIPMENT SAFETY.

UNLOADING & HAULING FILL MATERIAL FROM BARGE.

PLACING & SPREADING FILL ON FABRIC, COMPACTING

INSTALLING FABRIC & TAPE.

WORK DAY COMPLETED @ 1530.

EQUIPMENT IN USE: 2 WATER TRUCKS, 2 BULLDOZERS, 4 OFF-ROAD DUMP TRUCKS, ROLLER COMPACTOR, ONE LOADER, SKIP LOADER

Signed: R Epp Date: 5/10/11

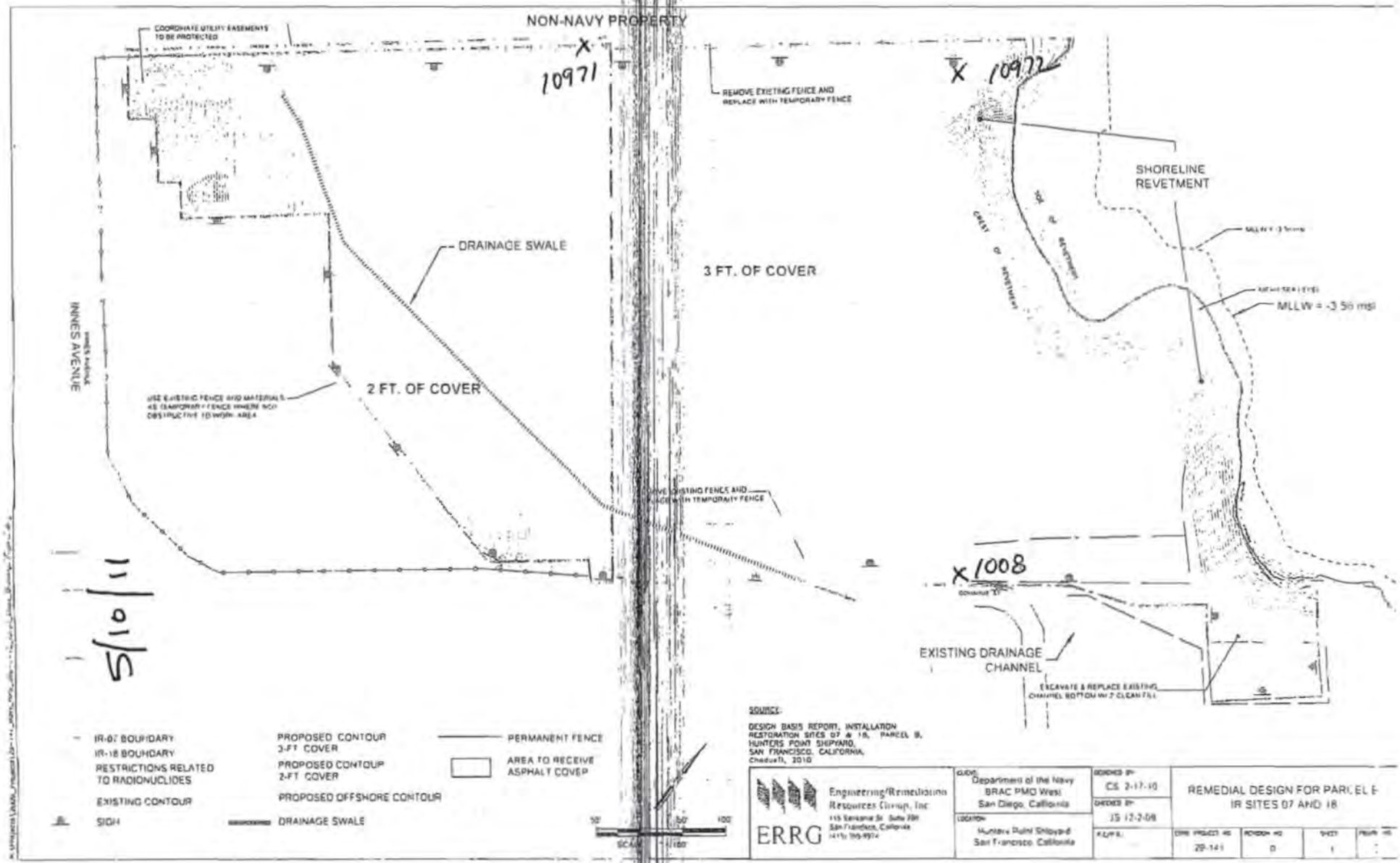
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK OPP
Project Name: ROMODIM PARCEL B
Site Location: IR-07+18
Calibration (Date and Time): ~~5/9/11 10 EB~~ 5/9/11 EB

Client: US NAVY
Project No.: 29-141
Page: 1 of
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC. ~~PID~~	Instrument ~~DataRAM~~ TVA	Comments
1008	5/10/11	0730	0.045	0.053	
10972		0748	0.040	0.015	
10971		0754	0.060	0.055	
1008		0918	0.047	0.046	
10972		0928	0.068	0.056	
10971		0933	0.037	0.043	
1008		1140	0.038	0.044	
10972		1144	—	—	DEAD
10971		1147	—	—	DEAD
10971		1342	0.031	0.045	
10972		1346	0.054	0.056	
1008		1433	0.057	0.055	
10972		1505	0.090	0.020	
10971		1509	0.040	0.029	
1008		1511	0.029	0.046	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
X 10971
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
X 10972
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
MLLW = -3.56 msl
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
X 1008
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2 CLEAN FILL
5/10/11
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010
ERRG
Engineering/Remediation Resources Group, Inc
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-08
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
29-141
0
1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 10/MAY/11

REPORT NO 126

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Continued spreading
	and compacting first lift of soil above the demarcation layer. Continued performing compaction tests on the first and second lift. Verified that
	activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Retested the 1st lift in I1 that failed the sand cone. Pending results.
	Retested the 2nd lift in E3 that failed the sand cone. Pending results.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/10/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/10/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**	**X**			Sand cone tests taken 4/21, 4/25, 4/26, 4/28 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/10/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 5/10/11	Job No. 29-141	Project/Location HPS 1R-07+18	Source Material Am-241 / Cs-137	Density Std. 25663
Inspector R. Loza	Project Engineer E. Binning	Other		Moisture Std 16288
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-D1A-08	101.3		18.6	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
130	105R	6"	116.9	19.1	97.8	19.4	97%	E3	-2'
	Average								

Remarks: _____

Inspector: _____ Reviewed: _____

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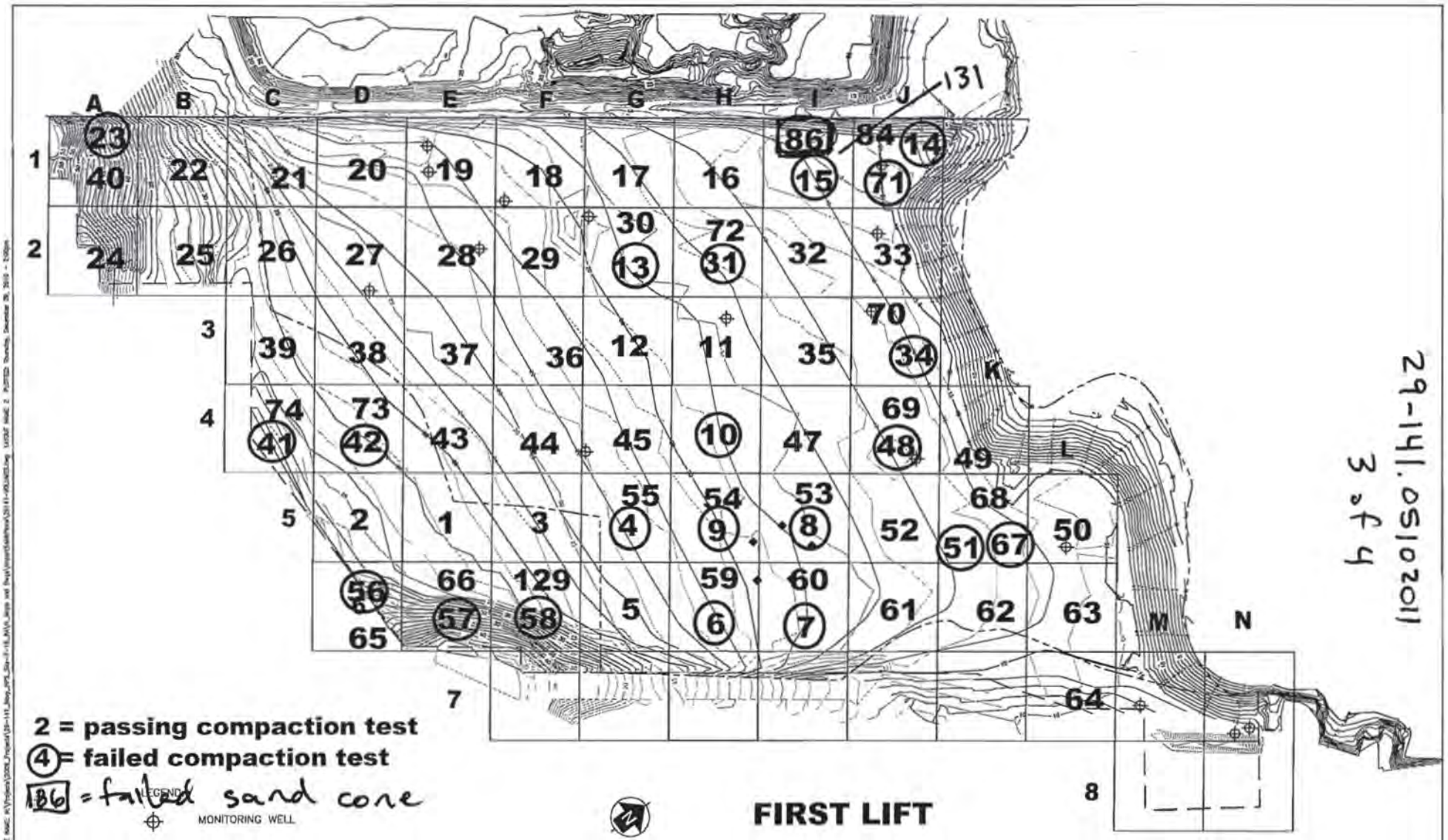
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 5/10/11	Job No. 29-141	Project/Location HPS 1R-07+-08	Source Material Am-241 / Cs-137	Density Std. 25663
Inspector R. Loza	Project Engineer E. Biming	Other		Moisture Std 16288
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-05	102.5		14.9	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
131	86R	6"	111.8	15.3	96.5	15.8	94%	I1	-2.5'
	Average								

Remarks: _____

Inspector: _____ Reviewed: _____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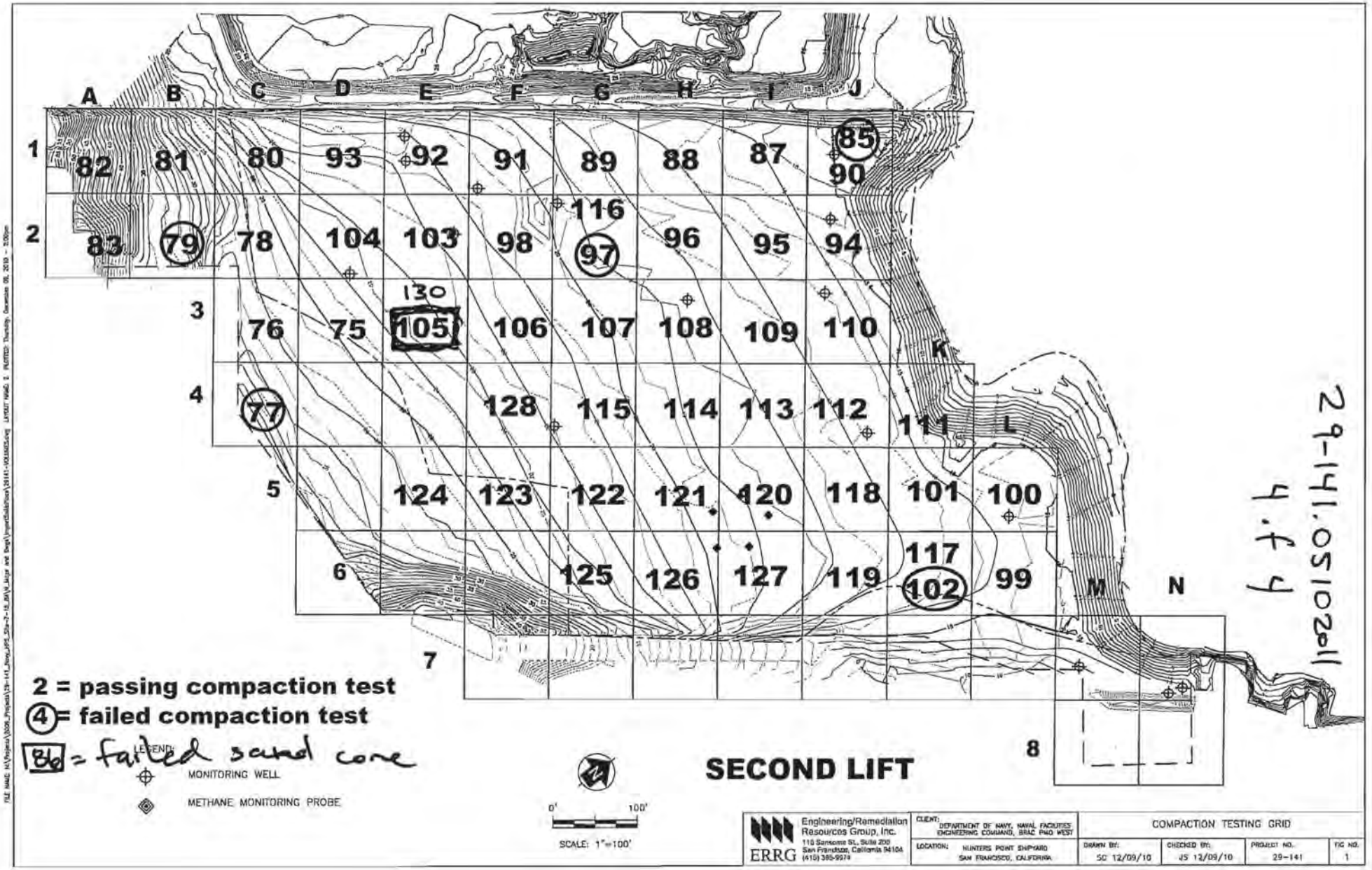
2 = passing compaction test
(4) = failed compaction test
[86] = failed sand core
LEGEND
MONITORING WELL
METHANE MONITORING PROBE
0'
100'
SCALE: 1"=100'
FIRST LIFT
29-141.05102011
3 of 4
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-0974
ERRG
CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST
LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA
COMPACTION TESTING GRID
DRAWN BY: SC 12/09/10
CHECKED BY: JS 12/09/10
PROJECT NO. 29-141
FIG NO. 1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101
100
117
125
126
127
119
102
99
2 = passing compaction test
4 = failed compaction test
86 = failed sand cone
LEGEND:
MONITORING WELL
METHANE MONITORING PROBE
SECOND LIFT
0'
100'
SCALE: 1"=100'
29-141.05102011
4 of 4
Engineering/Remediation Resources Group, Inc.
110 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-9979
ERRG
CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST
LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA
COMPACTION TESTING GRID
DRAWN BY: SC 12/09/10
CHECKED BY: JS 12/09/10
PROJECT NO.: 29-141
FIG NO.: 1

Moisture Content and Sand Cone Samples

Prepared by: R. Loza
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/10/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-10	130	E3	2nd	19.4	6852	2070
HPS-MC-11	131	I1	1rst	15.8	6998	2408

Photo 1: Cover Installation – Installed demarcation fabric and demarcation tape grid prior to placement of additional cover soil material. Weighing down tape with soil in addition to pinning to protect against wind.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 10, 2011

Photo 2: Cover Installation – Placement of the first lift of cover soil material above the demarcation layer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 10, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 11/MAY/11	REPORT NO: 127
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Cloudy, Cool	PM WEATHER: Cloudy, windy	MAX TEMP (F): 62	MIN TEMP (F): 49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 small barge.	ERRG	1	Construction Manager	0
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	10
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	10
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	10
		ERRG	6	Truck Drivers	60
		ERRG	4	Equipment Operators	40
		ERRG	5	Laborers	44
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	224
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	17181
TOTAL WORK HOURS FROM START OF CONSTRUCTION	17405

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	10
	Harris Blade	D6R Bulldozer-1ea	10
	Harris Blade	CAT 35 ton articulated offroad dump truck	10
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	10
	Hertz	2K Water Truck with flotation tires - 1ea	10

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/11/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 11/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 127 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy, Cool	Cloudy, windy	62	49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	10
	Harris Blade	84" Smooth Drum Compactor - 1 ea	10
	harris Blade	Volvo 35 ton articulated offroad dump truck	10
	Harris Blade	Case 30 ton articulated offroad dump truck	10
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	10
	ERRG	2k Water Truck	

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/11/11 — DATE

TAILGATE SAFETY MEETING

ERRG

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/11/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK UNLOADING, HAULING, SPREADING & COMPACTING FILL MATERIAL. SPREADING FABRIC, TAPING, TRENCHING EDGES.

SAFETY TOPICS PRESENTED

SAFETY TOPICS AHA REVIEW, SPEED, TRAFFIC, HAUL ROAD MULTIPLE USE AREA, NON TRAFFIC ROUTES

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x **Yes** ____ **No**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Raul Rodriguez	ERRG	
Chris Stasch	ERRG	
Guadalupe Tapia	ERRG	
Sean Boyton	ERRG	
Vihanya Lalli	ERRG	
Fernando Loza	ERRG	
Ken Marks	ERRG	
ALBERTO MEDRANO	ERRG	
Larry Johnson	ERRG	
Larry Stark	ERRG	
Oscar Orozco	ERRG	
Samuel Martinez	ERRG	
Rafael Loza	ERRG	
Elizabeth Cirelli	ERRG	
Hazel Bivins	ERRG	
VICENTE VALENCIA	ERRG	
TIM WOODSON	ERRG	
William Schmidt	ERRG	

Health & Safety Officer DICK LOPP **SIGNATURE**

SUPERINTENDENT Greg Bailey **SIGNATURE**

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	Kirk Bailey	[signature]	5-11-11 7:00 am
Site Safety Officer:	DICK EPP	[signature]	5/11/11 7 am AM
Employee(s):	Chris Stack	[signature]	5-11-11 7:00 am
	Sergio Aguilar	[signature]	5/11/11 7:00
	Guadalupe Trujillo	[signature]	5-11-11 7:00
	Viljamu Lelei	[signature]	5-11-11 700
	Fernando Loza	[signature]	5-11-11 700
	Raul Rodriguez	[signature]	5-11-11 700
	Ken Mark	[signature]	5-11-11 700
	ALBERTO MEDINA	[signature]	5-11-11 7:00
	Larry Johnson	Larry Johnson	5-11-11 "
	Larry Stack	[signature]	5-11-11 7:00 am
	OSCAR OROZCO	[signature]	5-11-11 7:00
	Rafael Loza	Rafael Loza	5-11-11 7:00
	Samuel Martinez	Samuel Martinez	5-11-11 7:00
	Elizabeth Creek	[signature]	5/11/11 0700
QCM	Liz Binning	[signature]	5/11/11 0700
FOREMAN	VICENTE VALENCIA	Vicente Valencia	5-11-11 - 12:00

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	WEDNESDAY	Date:	5/11/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	OVERCAST	Page:	1 of
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE - AHA REVIEW, NEW TRAFFIC PATTERNS, TRENCHING WITH EQUIPMENT & VEHICLE TRAFFIC ON HAUL ROAD

UNLOADING BARGES, HAULING & PLACING SOIL.

GRADING & COMPACTING FILL SOIL IN ALL AREAS OF IR-07 +18 INCLUDING EDGES AND SLOPES.

COMPACTION TESTING.

LAYING FABRIC & TAPE.

1730 STOP WORK TIME

EQUIPMENT IN USE: FRONT-END LOADER, 4 OFF-ROAD DUMP TRUCKS, 2 BULLDOZERS, ROLLER COMPACTOR, SKIP LOADER, 3 WATER TRUCKS

Signed: [signature] Date: 5/11/11

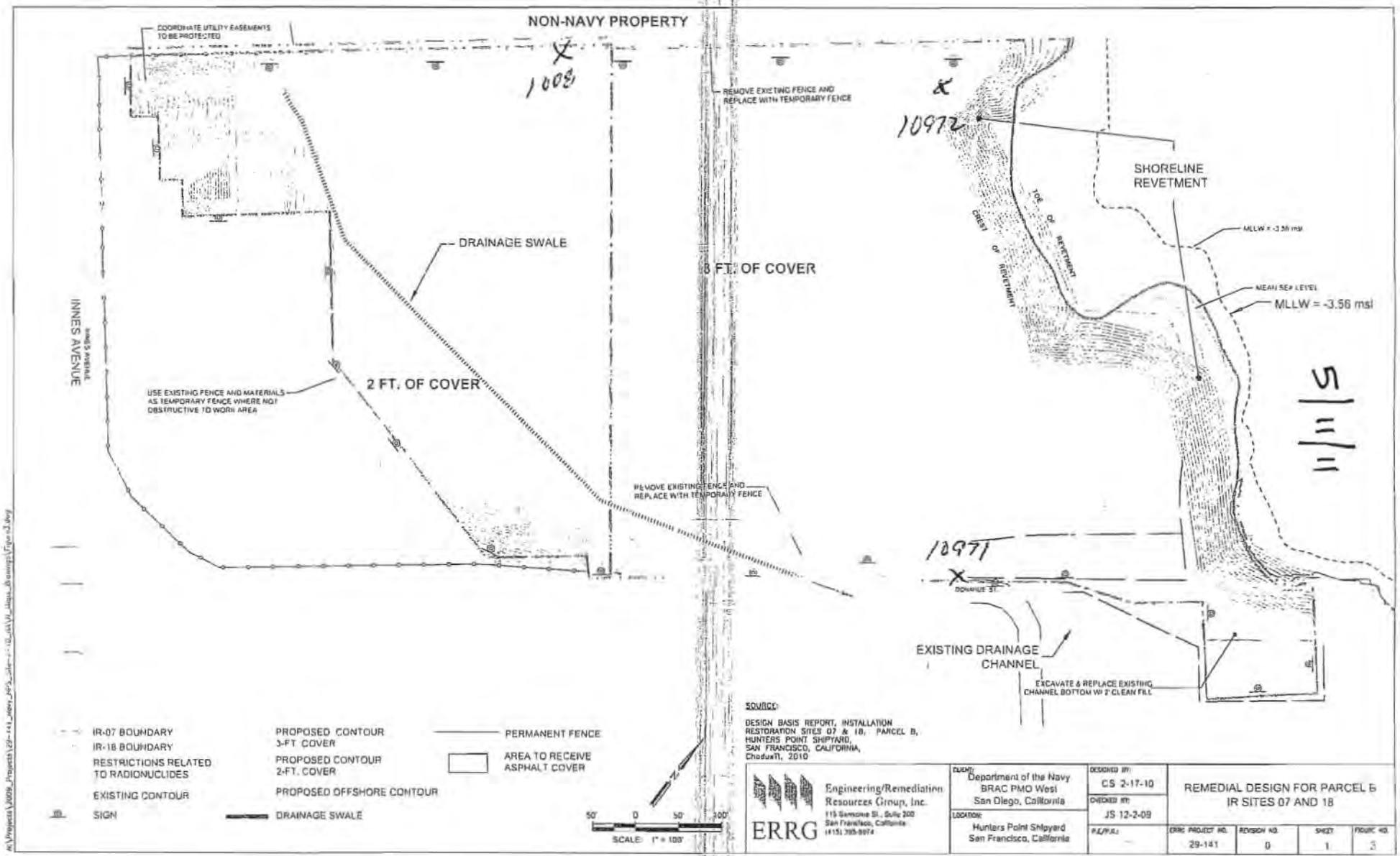
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK OPP
Project Name: PARCEL B REMEDIATION
Site Location: IR-07+18
Calibration (Date and Time): ~~5/9/11~~ ~~11 EB~~ 5/9/11 EB

Client: US NAVY
Project No.: 29-141
Page: 1 of
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10971	5/11/11	0742	0.039	0.044	
10972		0745	0.113	0.102	
1008		0753	0.022	0.043	
10972		0940	0.106	0.099	
1008		0944	0.027	0.023	
10971		0953	0.027	0.024	
10971		1205	0.016	0.021	
10972		1212	0.099	0.098	
1008		1216	0.036	0.020	
10971		1325	0.022	0.021	
10972		1330	0.091	0.102	
1008		1334	0.022	0.020	
10971		1423	0.014	0.021	
10972		1429	0.129	0.108	
1008		1435	0.021	0.019	
10971		1544	—	—	DEAD
"		"	0.030	0.037	
10972		1550	0.062	0.103	
1008		1554	—	—	DEAD
"		"	0.052	0.050	
10972		1653	—	—	DEAD
1008		1656	0.028	0.017	
10971		1705	0.024	0.029	



SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010

ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-0974

CLIENT:	Department of the Navy BRAC PMO West San Diego, California
LOCATION:	Hunters Point Shipyard San Francisco, California
DESIGNED BY:	CS 2-17-10
CHECKED BY:	JS 12-2-09
P.E./P.G.:	

REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18

ERRG PROJECT NO.	REVISION NO.	SHEET	FIGURE NO.
29-141	0	1	3

M:\Projects\2009_Projects\29-141_HPS_Parcel_B\Civil\Figures\Figure3.dwg

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/MAY/11

REPORT NO 127

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Continued spreading
	and compacting first lift of soil above the demarcation layer. Continued performing compaction tests on the second lift. Started performing compaction
	tests on the first lift above the demarcation layer (third lift overall). Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Sand cone test of 2nd lift in E3 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Retest of sand cone in 1st lift of I1 meets compaction.

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Received sand cone (performed on 5/10) results back from the lab that indicated that sand cone performed in E3 had moisture contents less than
	3% below the optimum moisture content. Will retest this area using both the nuclear density gauge and the sand cone.
06	Received sand cone (performed on 5/10) results back from the lab that indicated that sand cone performed in I1 meets compaction
	requirements.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/11/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/11/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**	**X**			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.

Requirement	Phase	Yes	No	N/A	Comments
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/11/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No.
5/11/11	29-141	HPS 1R-07-18	Am-241 / Cs-137	MC3
Inspector	**Project Engineer**	**Other**		**Density Std.**
R. LOZA	E. BINNING			25669
				Moisture Std
				17435

Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-25	100.5		15.8	smooth drum roller

Specified % Compaction	Specified % Water	Lab Test Method	Field Test Method
90%	+/- 3%	ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
132		8"	109.8	16.6	93.2	17.7	92	L6	-1.25'
133		8"	110.1	14.9	95.2	15.6	94	K6	-1.25'
134		8"	110.5	14.9	95.6	15.6	95	L5	-1.25'
135		8"	108.1	14.1	94.0	15.0	93	K5	-1.25'
136		8"	110.8	17.3	93.5	17.9	93	K4	-1.25'
137		8"	108.7	16.9	91.8	17.5	91	J5	-1.25'
139		8"	110.0	16.1	93.9	17.1	93	J4	-1.25'
140		8"	111.2	13.2	98.0	13.4	97	J3	-1.25'
141		8"	110.8	16.9	93.9	17.6	93	J2	-1.25'
143		8"	110.6	14.2	96.4	14.7	94	I2	-1.25'
144		8"	109.8	13.8	96.0	14.3	93	I3	-1.25'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

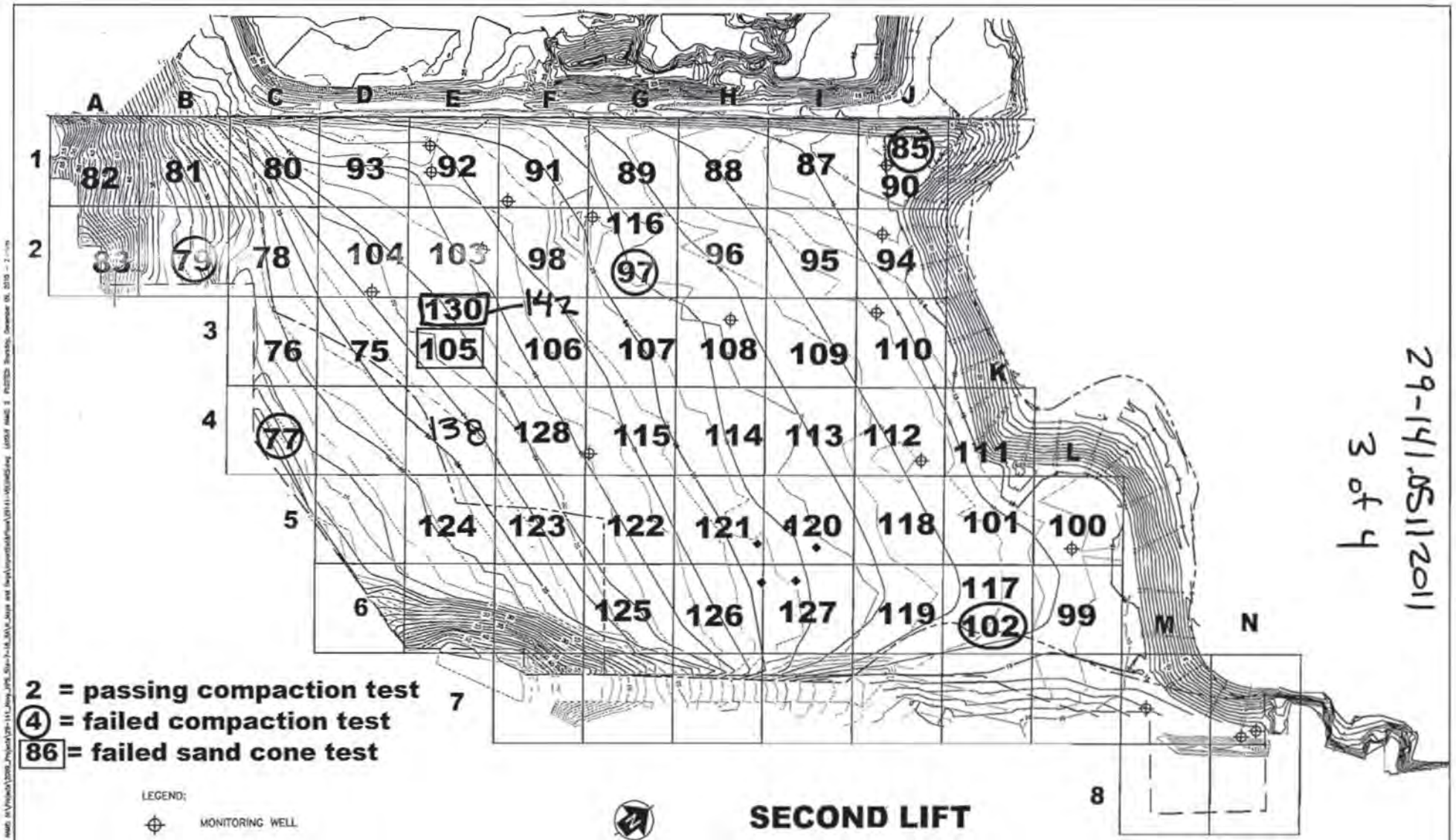
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5/11/11	Job No.: 29-141	Project/Location: HPS 1R-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 25669
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 17435
Curve No.: BS-DIA-08	Max. Density (PCF): 101.3	Min. Density (PCF):	Optimum Water (%): 18.6	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
138		6"	115.1	17.8	97.3	18.5	94	E4	-2'
142	130R	6"	118.8	17.5	101.3	17.2	98	E3	-2'
		Average							

Remarks: _____

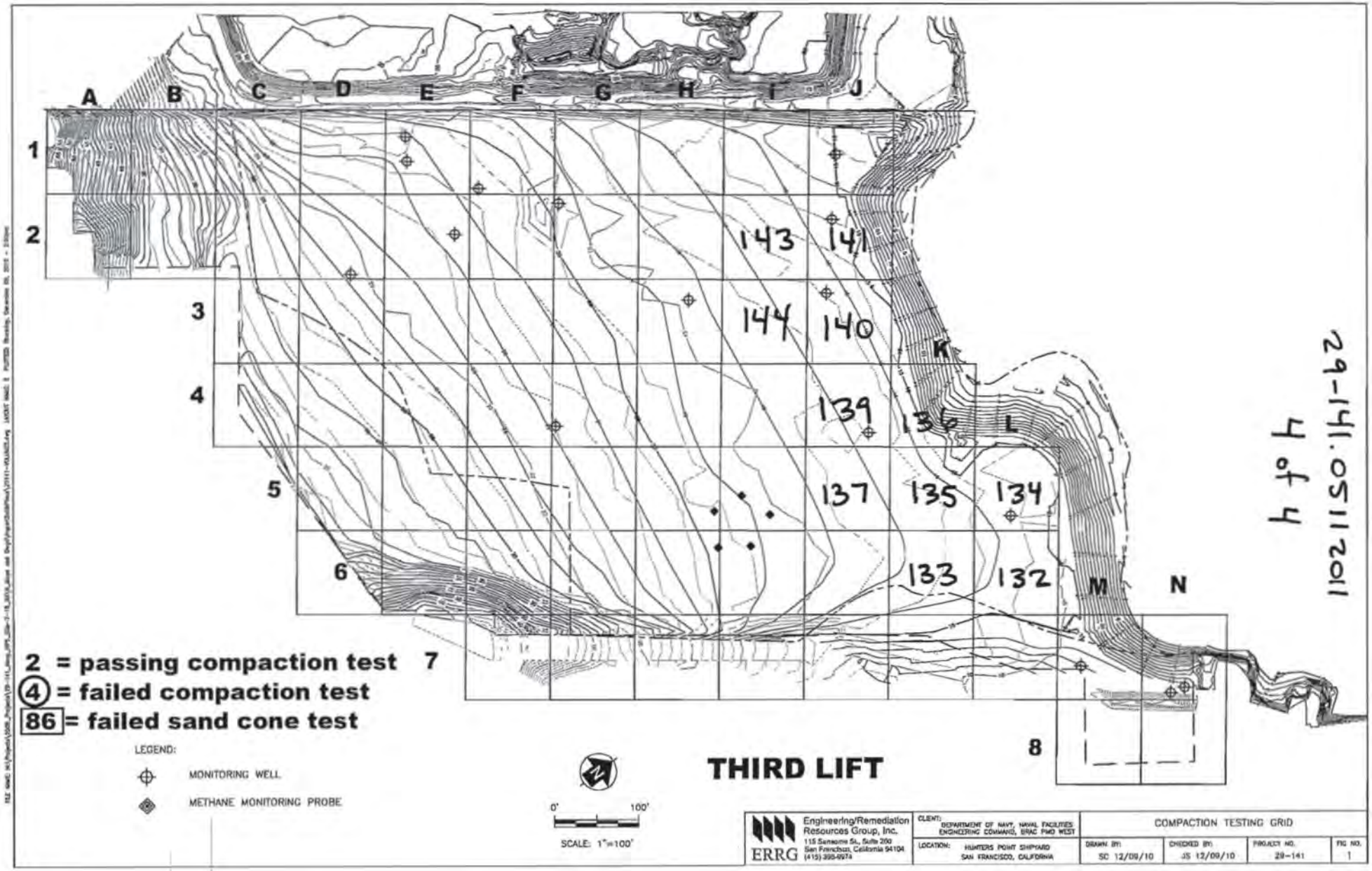
Inspector: _____ Reviewed: _____



ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 399-0974

CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, ERAC PWD WEST	COMPACTION TESTING GRID			
LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1

11/2/2011
3 of 4
29-141.MS



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4 of 4

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 398-4974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, EFAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141
				FIG NO. 1

Moisture Content and Sand Cone Samples

Prepared by: R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/11/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-12	142	E3	2nd	17.2	6314	1650

Photo 1: Cover Installation – Smoothing out the compacted bottom 1 foot lift prior to placement of demarcation fabric.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 11, 2011

Photo 2: Cover Installation – Placement of the first lift of cover soil material above the demarcation layer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 11, 2011

Photo 3: Cover Installation – Placement of 2nd lift above the demarcation fabric near the shoreline.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 11, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 12/MAY/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	128

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy	Clear, windy	63	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Place material on the cap in the initial 1-2 foot cover areas, spread and compact.	ERRG	1	QC Manager	10
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	10
	Continue covering demarcation fabric and tape with fill material (compaction- ok)	ERRG	1	QC Staff	10
		ERRG	6	Truck Drivers	44
		ERRG	5	Equipment Operators	37
		ERRG	10	Laborers	59
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	220
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	17405
TOTAL WORK HOURS FROM START OF CONSTRUCTION	17625

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/12/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 12/MAY/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	128 cont.

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy	Clear, windy	63	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	4
	ERRG	2k Water Truck	
	United Rentals	R40 Trencher	5

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/12/11 — DATE

TAILGATE SAFETY MEETING

ERRG

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/12/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK UNLOADING FILL, PLACING & COMPACTING, TAPING & LAYING FABRIC, TRENCHING EDGE OF FABRIC TO ANCHOR

SAFETY TOPICS PRESENTED

SAFETY TOPICS MOVING LOCATIONS – CHECK OUT SITUATION THEN START WORK.

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x **Yes** ____ **No**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Jack Thomas II	ERRG	
Guadalupe Trujillo	ERRG	
Sergio Aguilera	ERRG	
OSCAR OROZCO	ERRG	
Fernando Loza	ERRG	
Samuel Martinez	ERRG	
Rafael Loza	ERRG	
Ken Mark	ERRG	
ALBERTO MENDOZA	ERRG	
Miguel Lelj	ERRG	
Raul Rodriguez	ERRG	
VICENTE VALENCIA	ERRG	
Larry Stack	ERRG	
Chris Stack	ERRG	
Larry Johnson	ERRG	
Elizabeth Creek	ERRG	

Health & Safety Officer DICK OPP **SUPERINTENDENT** Greg Bailey

SIGNATURE **SIGNATURE**

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 5/12/11
Project No.: 29-141
Page: 1 of

Description of Field Activities:

0700 SAFETY TAILGATE – MOVING AROUND TODAY, TAKE TIME TO ASSESS THE SITUATION – WHO, WHERE & WHY? – IN THE NEW WORK ZONE.

UNLOADING FILL MATERIAL, HAULING, PLACING & COMPACTING.

LAYING FABRIC & TAPE.

BEGAN TRENCHING ON NORTH SIDE OF SITE TO ANCHOR FABRIC @ FENCELINE, INSTALLING FABRIC + TAPE.

WORK ENDED TODAY @ 1730.

COMPACTION TESTING.

EQUIPMENT IN USE: 2 WATER TRUCKS, END LOADER, 4 OFF ROAD TRUCKS, 2 BULLDOZERS, ROLLER COMPACTOR, TRENCHER, SKIP LOADER

Signed: Richard J. Epp Date: 5/12/11

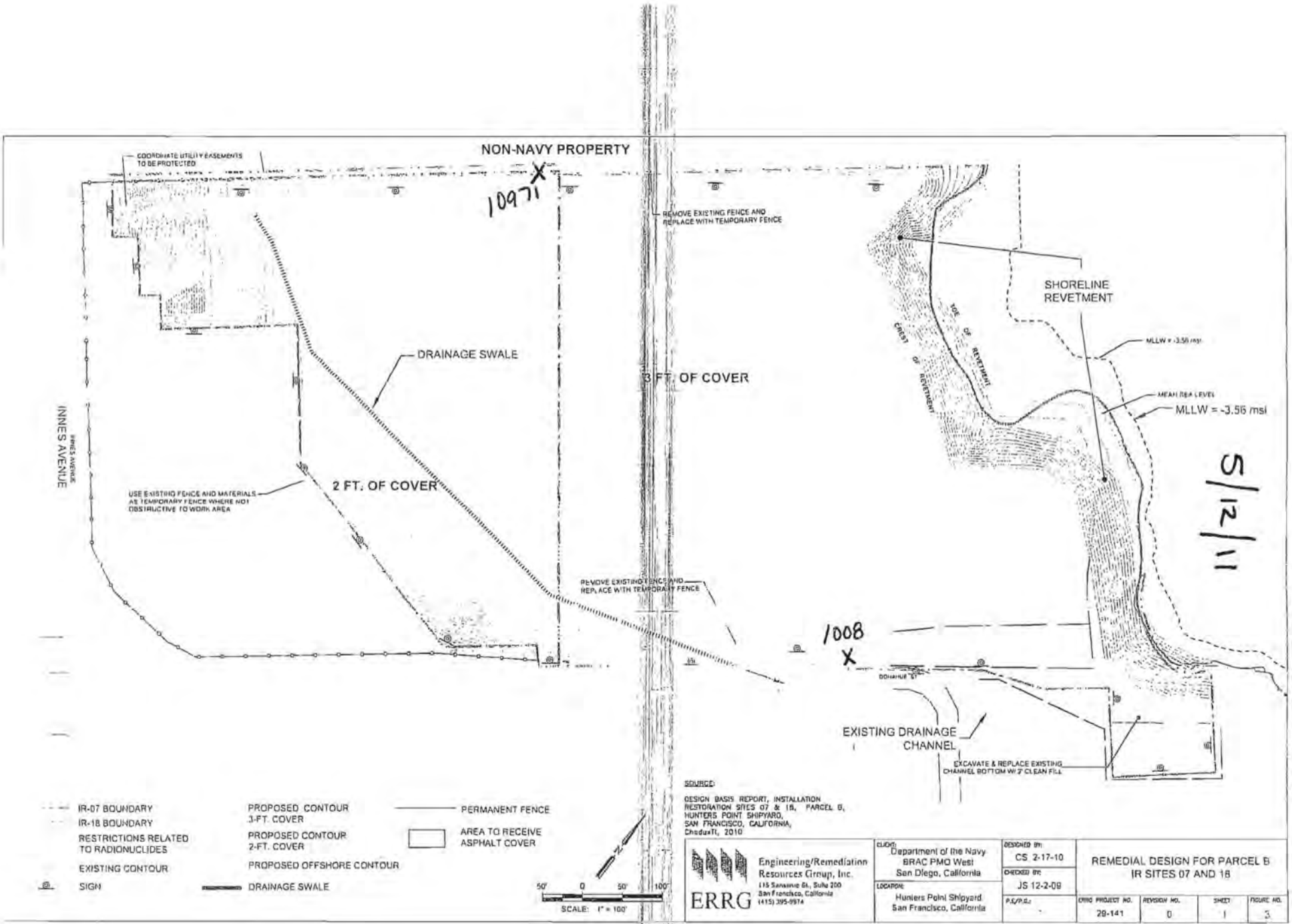
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK EPP
Project Name: PARCEL B REMEDIATION
Site Location: IR-07+18
Calibration (Date and Time): ~~5/9/11~~ 5/9/11 EB

Client: US NAVY
Project No.: 29-141
Page: 1 of
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10972 NOT IN SERVICE - RECALIBRATED ATTEMPTED - UNIT DID NOT ZERO OUT. - REPLACING					
1008	5/12/11	0748	0.015	0.023	
10971		0756	0.022	0.020	
1008		0858	0.018	0.016	
10971		0904	0.023	0.022	
10971		1015	0.021	0.022	
1008		1022	0.012	0.015	
"		1050	0.014	0.015	
10971		1100	0.012	0.022	
1008		1245	0.023	0.016	
10971		1308	0.022	0.023	
"		1400	—	—	DEAD
"		1420	0.023	0.019	
1008		1440	0.022	0.022	
10971		1510	0.033	0.033	
1008		1515	0.029	0.020	
10971		1612	0.040	0.035	
1008		1615	—	—	
"		1618	0.044	0.059	
10971		1646	0.037	0.037	
1008		1657	0.023	0.046	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
10971
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
MEAN SEA LEVEL
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
2 FT. OF COVER
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
1008
DONAHUE ST
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
5/12/11
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT. COVER
PROPOSED CONTOUR 2-FT. COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
50' 0 50' 100'
SCALE: 1" = 100'
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChaduxTI, 2010
ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-0974
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
P.E./P.G.:
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1
FIGURE NO. 3

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 12/MAY/11

REPORT NO 128

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Started digging the
	demarcation layer anchor trench and installing the demarcation layer along the northwest property boundary. Continued spreading and
	compacting first lift of soil above the demarcation layer. Continued performing compaction tests on the first lift above the demarcation
	layer (third lift overall). Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/12/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/12/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**	**X**			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.

Requirement	Phase	Yes	No	N/A	Comments
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up				
Have all monitoring probes been extended as shown on the design drawings?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/12/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5/12/11	Job No.: 29-141	Project/Location: HPS IR-07-18	Source Material: Am-241 / Cs-137	Density Std.: 25576
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 17104
Curve No.: BS-DIA-28	Max. Density (PCF): 104.1	Min. Density (PCF):	Optimum Water (%): 18.7	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
145		8"	114.5	15.7	98.8	15.9	94	I5	-1.25'
146		8"	112.9	17.3	95.6	17.9	91	I4	-1.25'
147		8"	113.8	17.7	96.1	18.3	92	H5	-1.25'
148		8"	112.1	16.5	95.6	17.2	91	H4	-1.25'
149		8"	112.3	16.1	96.3	16.6	92	H3	-1.25'
150		8"	116.0	18.0	98.0	18.3	94	H2	-1.25'
151		8"	114.7	17.8	96.9	18.3	93	G4	-1.25'
152		8"	113.4	16.3	97.1	16.8	93	G3	-1.25'
153		8"	116.0	19.2	96.8	19.8	93	G2	-1.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

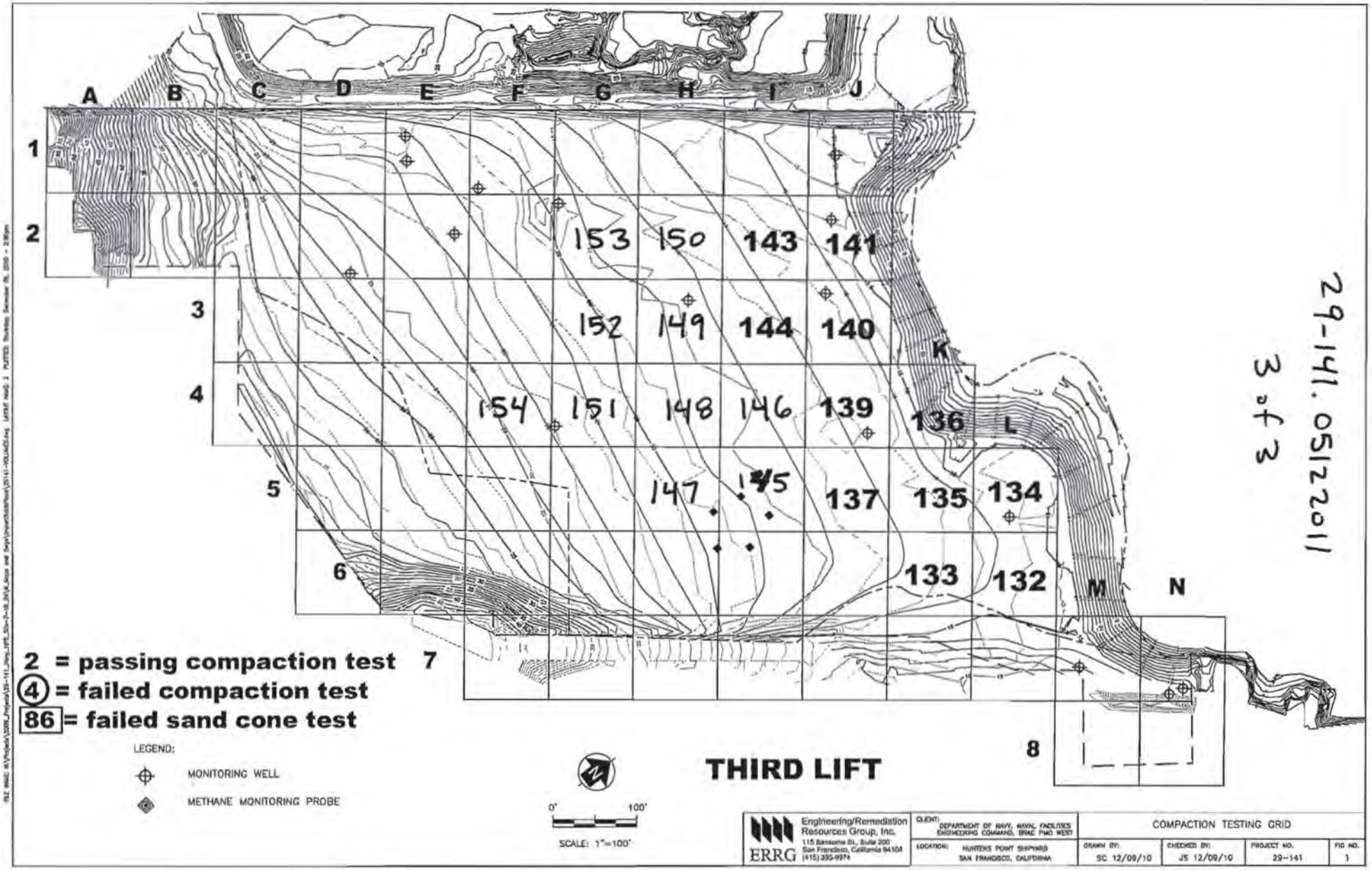
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5/12/11	Job No.: 29-141	Project/Location: HPS 1R-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 25576
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 17104
Curve No.: BS-DIA-34	Max. Density (PCF): 104.5	Min. Density (PCF):	Optimum Water (%): 17.5	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
154		8"	112.8	17.3	95.5	18.1	91	F4	-1.25'
	Average								

Remarks: _____

Inspector: _____ Reviewed: _____



29-141.05122011
3 of 3

Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9974 ERRG	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FID NO. 1

Moisture Content and Sand Cone Samples

Prepared by: R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/12/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-13	145	I S	3rd	15.9	7076	2462

Photo 1: Cover Installation – Placement of first lift above the demarcation layer.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 12, 2011

Photo 2: Cover Installation – Installation of the demarcation layer at the anchor trench along the northwest property boundary.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 12, 2011

Photo 3: Cover Installation – Installation of the demarcation layer at the anchor trench along the northwest property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 12, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 13/MAY/11	REPORT NO: 129
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy, Cool	PM WEATHER: Partly cloudy, windy	MAX TEMP (F): 60	MIN TEMP (F): 50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 2 small barges.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Place material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	10
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	10
	Continue digging anchor trench and installing demarcation fabric in trench.	ERRG	1	QC Staff	0
	Continue covering demarcation fabric and tape with fill material.	ERRG	6	Truck Drivers	54
		ERRG	5	Equipment Operators	49
		ERRG	3	Laborers	27
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	200
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	17625
TOTAL WORK HOURS FROM START OF CONSTRUCTION	17825

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	10
	Harris Blade	D6R Bulldozer-1ea	10
	Harris Blade	CAT 35 ton articulated offroad dump truck	10
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	10
	Hertz	2K Water Truck with flotation tires - 1ea	10

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/13/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	13/MAY/11		
CONTRACT NO	N62473-09-D-2608	TITLE AND LOCATION	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF
REPORT NO	129 cont.		
CONTRACTOR	Engineering/Remediation Resources Group, Inc.	SUPERINTENDENT	King Bailey
AM WEATHER	Partly cloudy, Cool	PM WEATHER	Partly cloudy, windy
MAX TEMP (F)	60	MIN TEMP (F)	50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	10
	Harris Blade	84" Smooth Drum Compactor - 1 ea	10
	harris Blade	Volvo 35 ton articulated offroad dump truck	10
	Harris Blade	Case 30 ton articulated offroad dump truck	10
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	10
	ERRG	2k Water Truck	
	United Rentals	R40 Trencher	3

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/13/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/13/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK UNLOADING FILL, PLACING & COMPACTING. LAYING FABRIC AND TAPE. TRENCHING FOR FABRIC TOE.

SAFETY TOPICS PRESENTED

SAFETY TOPICS COMMUNICATION, PLAN YOUR WORK & SHARE YOUR PLAN

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x **Yes** ____ **No**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Sergio Pagulera	ERRG	[signature]
Guadalupe Trujillo	ERRG	[signature]
[illegible]	[illegible]	[signature]
[illegible]	[illegible]	[signature]
Samuel Martinez	ERRG	[signature]
Vicente Valencia	ERRG	[signature]
Alberto Mejoza	ERRG	[signature]
Chris Stack	ERRG	[signature]
Larry Stack	ERRG	[signature]
Larry Johnson	ERRG	[signature]
Jack Thomas	ERRG	[signature]
Oscar Orozco	ERRG	[signature]
Ken Mark	ERRG	[signature]
Liz Binning	ERRG	[signature]
Shanti Montgomery	TTEC	[signature]
Nick Bennett	RSRS	[signature]
Rick Zahensky	RSRS	[signature]

Health & Safety Officer [illegible] **SUPERINTENDENT** King Baker

SIGNATURE [signature] **SIGNATURE** [signature]

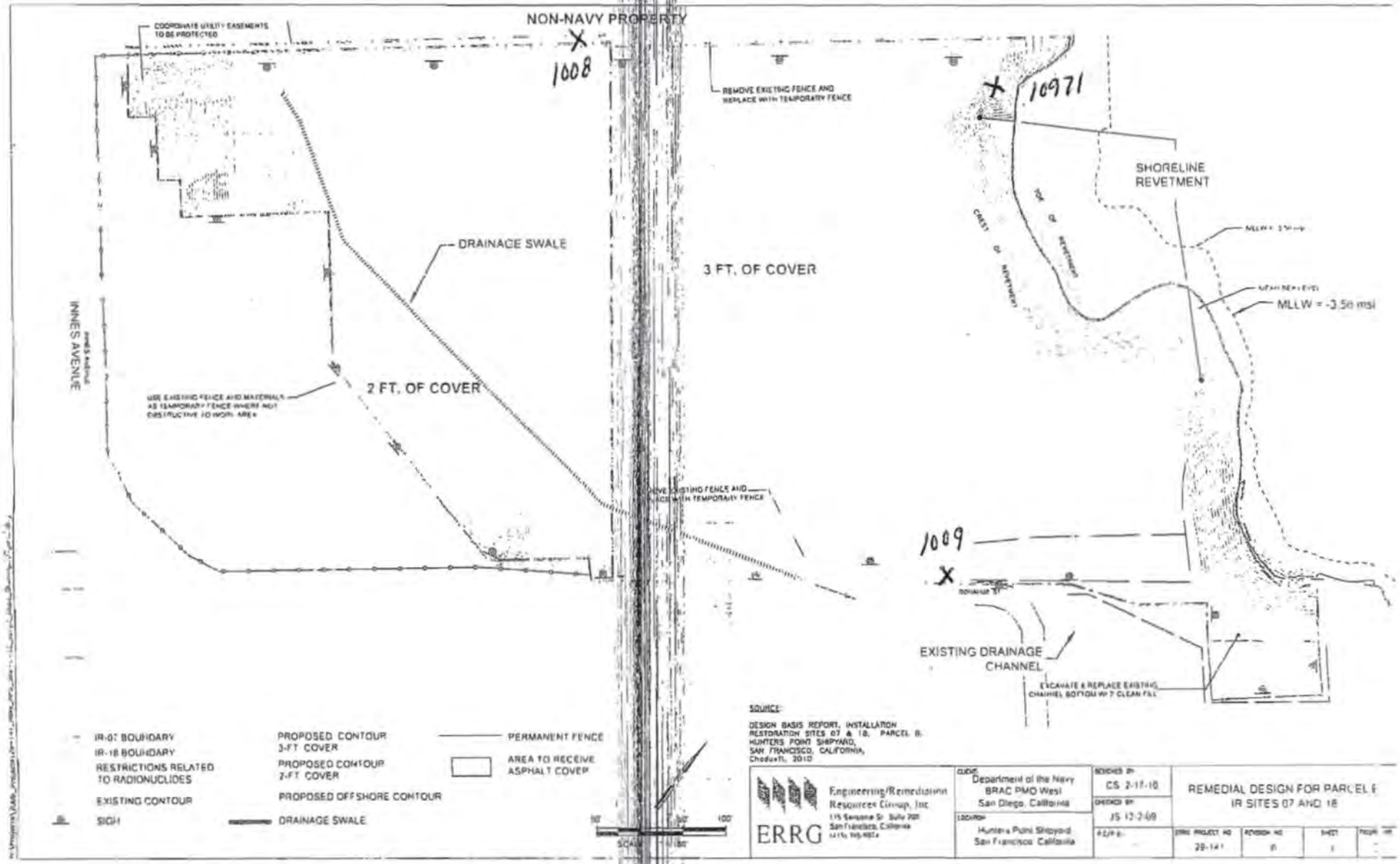
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK OPP
Project Name: REMEDIATION PARCEL B
Site Location: IR-07+18
Calibration (Date and Time): 5/13/11 @ 7:30

Client: US NAVY
Project No.: 29-141
Page: 1 of
Standard Used: AIR BOG

Location	Date	Time	Instrument CONC. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
1007	5/13/11	0758	0.031	0.020	
10971		0804	0.021	0.021	
1008		0810	0.030	0.030	
1007		0902	0.023	0.027	
10971		0907	0.024	0.026	
1007		1017	0.017	0.025	
10971		1021	0.021	0.026	
1007		1140	0.040	0.022	
10971		1144	0.031	0.025	
1008		1149	0.043	0.013	
10971		1322	0.023	0.025	
1008		1335	0.013	0.018	
1007		1339	0.004	0.031	
10971		1435	0.030	0.030	CHG. BATTERY
1008		1440	0.007	0.018	
1007		1458	0.029	0.035	
1008		1545	0.016	0.017	
10971		1606	0.036	0.037	
1007		1613	0.000	0.030	
10971		1650	0.026	0.036	
1008		1655	—	—	DEAD
1007		1702	0.011	0.028	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1008
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
10971
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
MLLW = -3.56 msl
1009
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 7 CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010
ERRG
Engineering/Remediation Resources Group, Inc.
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: FRIDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 5/13/11
Project No.: 29-141
Page: 1 of

Description of Field Activities:

0700 SAFETY TAILGATE – COMMUNICATIONS, CHANGING WORK AREAS – PLAN IT & DISCUSS THE PLAN.

UNLOADING, PLACING & COMPACTING FILL.

PLACING FABRIC AND TAPE.

TRENCHING FOR FABRIC TOE ANCHOR.

EQUIPMENT IN USE: END LOADER, OFF-ROAD DUMP TRUCKS, SKIP LOADER, TRENCHER, 2 WATER TRUCKS, 2 BULLDOZERS, ROLLER COMPACTOR.

Signed: [signature] Date: 5/13/11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 2K HERTZ WATER TRUCK **Identification Number:** _____

Project Number / Name: HPNS — 29-141 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	FL 5-9-11			FL 5-10-11			FL 5-11-11			FL 5-12-11			KM 5/13/11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	SMALL DAMAGE ON DRIVER SIDE STEP
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	"ABS" LIGHT ON

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: WATER TRUCK **Identification Number:** CRS07-004

Project Number / Name: 29-141, HPNS IRO7/18 Parcel B Cover & Revetment **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	VLJ			VLJ												**Heavy Equipment Defects**
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	**Defect(s):**
Tires and rims	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Roller **Identification Number:** PTL 65

Project Number / Name: _____ **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	LUPE 5/9/11			LUPE 5/10/11			LUPE 5/11/11			LUPE 05/12/11			LUPE 05/13/11			Defect(s):
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☒	☐	☒	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CASE **Identification Number:** 330

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☑	☐	→ liquea una parte
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: Checaic con Vicente y ay que Reportar

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Skiploader **Identification Number:** 732772

Project Number / Name: _____ **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-9-11			5-10-11			5-11-11			5-12-11			5-13-11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 03 Case **Identification Number:** V3M69

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	SA 5/9/11			SA 5/10/11			SA 5/11/11			5/12/11			5/13/11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: TRENCHER **Identification Number:** 503509

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Sysio 5/13/11															
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD DUMP TRUCK **Identification Number:** DA3B73

Project Number / Name: HP HAUL **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-9-11 OO MON			5-10-11 OO TUE			5-11-11 OO WED			5-12-11 OO THUR			5-13-11 OO FRI			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☑	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☒	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	DOOR GLASS CRACKED
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: GREASE ON 5-9-11
" " 5-11-11
" " 5-13-11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D6 Dozer LGP **Identification Number:** BMA36152

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-9-11 Mon LBd			5-10-11 Tues LBd			5-11-11 Wed LBd			5-12-11 Thurs LBd			5-13-11 Fri LBd			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D-6R Dozer **Identification Number:** MSBX 63

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-9-11 L.J			5-10-11 L.J			5-11-11 L.J			5-12-11 L.J			5- -11 L.J			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Cat Loader 972 **Identification Number:** CX9V38

Project Number / Name: HPUSY **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	5-9-11 JT			5-10-11			5-11-11			5-12-11			5-13-11			Defect(s):
	Monday			Tuesday			Wednesday			Thursday			Friday			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Sunbelt 2K water truck **Identification Number:** _____

Project Number / Name: 29-141 HPNSY **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	out of service 100%															
	KM 5/9 M						5/11 Wed			KM 5/12 Thu			KM 5/13 Fri			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☒	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	No tag No exp date
Windows and mirrors unbroken?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes Air Brakes	☒	☒	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	No Air pressure in 2R Air tank

Explain corrective actions taken: Air tank fixed 5/10

Water pump leaks

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 13/MAY/11

REPORT NO 129

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Continued digging the
	demarcation layer anchor trench and installing the demarcation layer along the northwest property boundary. Continued spreading and
	compacting first lift of soil above the demarcation layer. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Sand cone test of 2nd lift in E3 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Received sand cone (performed on 5/11) results back from the lab that indicated that sand cone performed in E3 had moisture contents less than
	3% below the optimum moisture content. Will retest this area using both the nuclear density gauge and the sand cone.
06	Retested the 2nd lift in E3 that failed the sand cone. Pending results.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/13/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/13/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been deliver materials in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/13/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

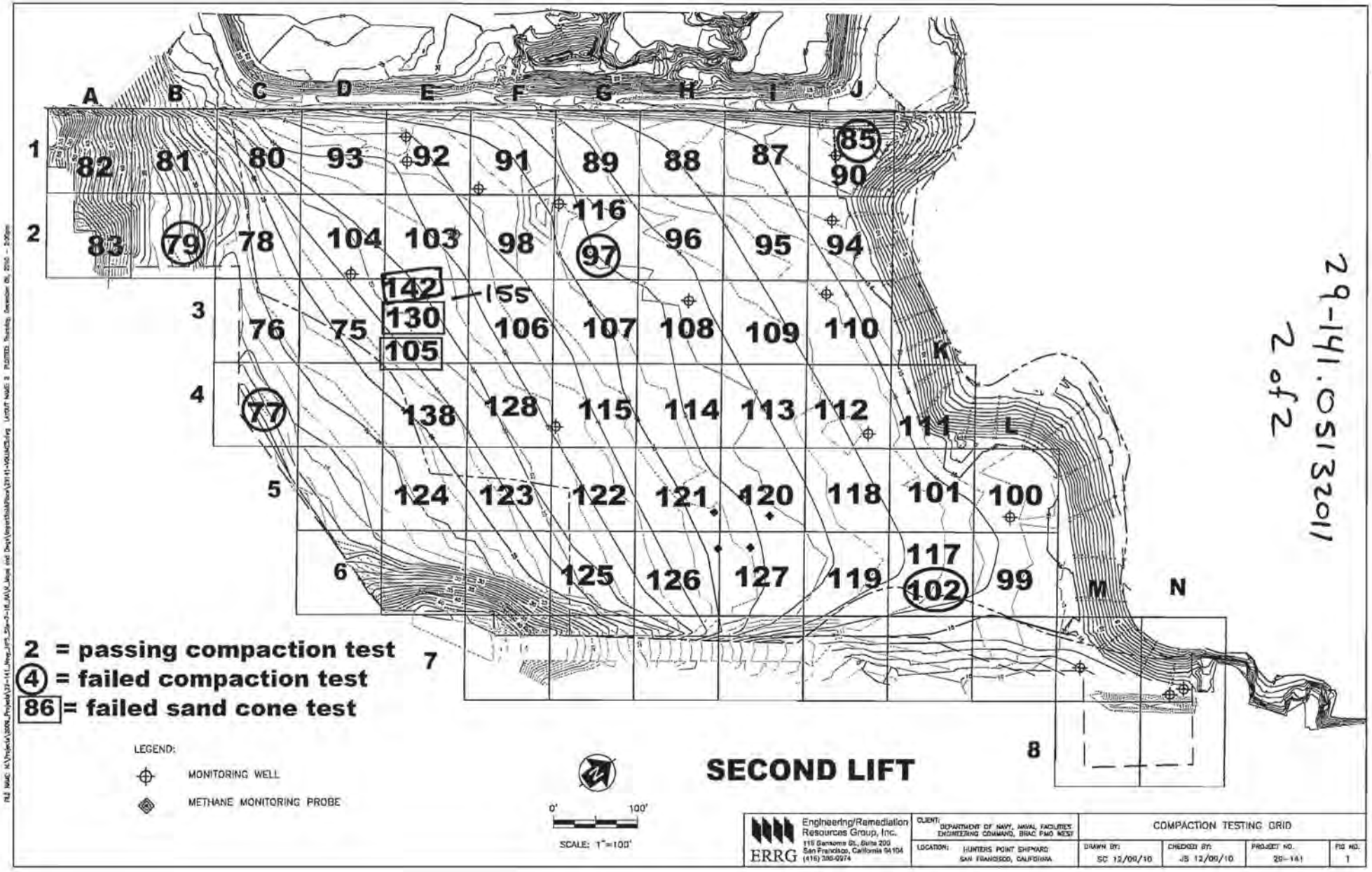
				Gauge No. MC3
Date/Time 5/13/11	Job No. 29-141	Project/Location HPS IR-07+-18	Source Material Am-241 / Cs-137	Density Std. 25467
Inspector E.BINNING	Project Engineer E.BINNING	Other		Moisture Std 17219
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-08	101.3		18.6	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
155	142R	6"	124.7	20.2	104.5	19.3	103	E3	-2'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

29-141.05132011
2 of 2



ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 386-0974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1

Moisture Content and Sand Cone Samples

Prepared by: E. BINNING
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/13/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-14	155	E3	2nd	19.3	6800	2272

Photo 1: Cover Installation – Installation of the demarcation layer anchor trench along the northwest property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 13, 2011

Photo 2: Cover Installation – Placement of the first lift above the demarcation layer near the northwest property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 13, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 16/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 130

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy/Cold	Cloudy/Rain	60	50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Place material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	9
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	9
	Continue digging anchor trench and installing demarcation fabric in trench.	ERRG	1	QC Staff	9
	Continue covering demarcation fabric and tape with fill material.	ERRG	6	Truck Drivers	43
		ERRG	5	Equipment Operators	40
		ERRG	10	Laborers	37
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	196
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	17825
TOTAL WORK HOURS FROM START OF CONSTRUCTION	18021

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/16/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 16/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 130 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy/Cold	Cloudy/Rain	60	50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	4
	Harris Blade	Case 30 ton articulated offroad dump truck	3
	ERRG	2k Water Truck	
	United Rentals	R40 Trencher	4

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/16/11 — DATE

TAILGATE SAFETY MEETING

ERRG

SITE LOCATION: 5/16/11 Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE ~~5/16/11~~ 5/17/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK UNLOADING, HAULING, SPREADING & COMPACTING FILL & LAYING FABRIC & MAT, TRENCHING

SAFETY TOPICS PRESENTED

SAFETY TOPICS RAIN, FOOTING, SCOPING OF EQUIPMENT, AHA'S

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x **Yes** ____ **No**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Sergio Aguilar	ERRG	
Guadalupe Murillo	ERRG	
VICENTE VALENCIA	ERRG	
Larry Stack	ERRG	
Raul Rodriguez	ERRG	
Fernando Lora	ERRG	
Kris Marti	ERRG	
OSCAR OROZCO	ERRG	
Chris Stack	ERRG	
Larry Johnson	ERRG	
Rafael Lora	ERRG	
Samuel Martinez	ERRG	
ALBERTO MENDOZA	ERRG	
Elizabeth Creel	ERRG	
Liz Binnis	ERRG	
Jose Mendoza	ERRG	

Health & Safety Officer DICK EPP **SUPERINTENDENT** King Bailey

SIGNATURE **SIGNATURE**

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: MONDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOUDY - RAIN
Site Visitors: See Tailgate Sign In Log.
Client: Dept of the Navy
Date: 5/16/11
Project No.: 29-141
Page: 1 of

Description of Field Activities:

0700 SAFETY TAILGATE - RAIN DUE THIS AFTERNOON, AHA REVIEW, EQUIPMENT SLIPPERY WHEN WET.

UNLOADING, HAULING, SPREADING & COMPACTING FILL.

LAYING FABRIC & TAPE

TRENCHING.

WORKDAY ENDED @ 1530

EQUIPMENT IN USE: 4 OFF ROAD DUMP TRUCKS, END LOADER, SKIPLOADER, TRENCHER, 2 BULLDOZERS, ROLLER COMPACTOR, 2 WATER TRUCKS.

Signed: Richard J. Epp Date: 5/16/11

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	Greg Bailey		5-16-2011 7:00
Site Safety Officer:	DICK GUIO		0700 5/16/11
Employee(s)	Sergio Aguilera		5/16/11 7:00
	Guadalupe Tavarillo		5-16-11 7:00
	Raul Rodriguez		5-16-11 7:00
FOREMAN	VICENTE VALENCIA		5-16-11 7:00
	Ken Mark		5-16-11 700
	OSCAR ORTEGA		5-16-11 700
	Larry Stack		5-16-11 700 AM
	Fernando Loza		5-16-11 700
	Samuel Martinez		5-16-11 7:00
	Chris Stack		5-16-11 700 AM
	Larry Johnson		5-10-11 1:
	Rafael Loza		5-10-11 - 7:00
	ALBERTO MENDOZA		5-16-11 - 7:00
	Elizabeth Creek		5/16/11 7AM
QCM	Liz Binning		5/16/11 0700
	Jose Mercado		5-16-11 : 8:00

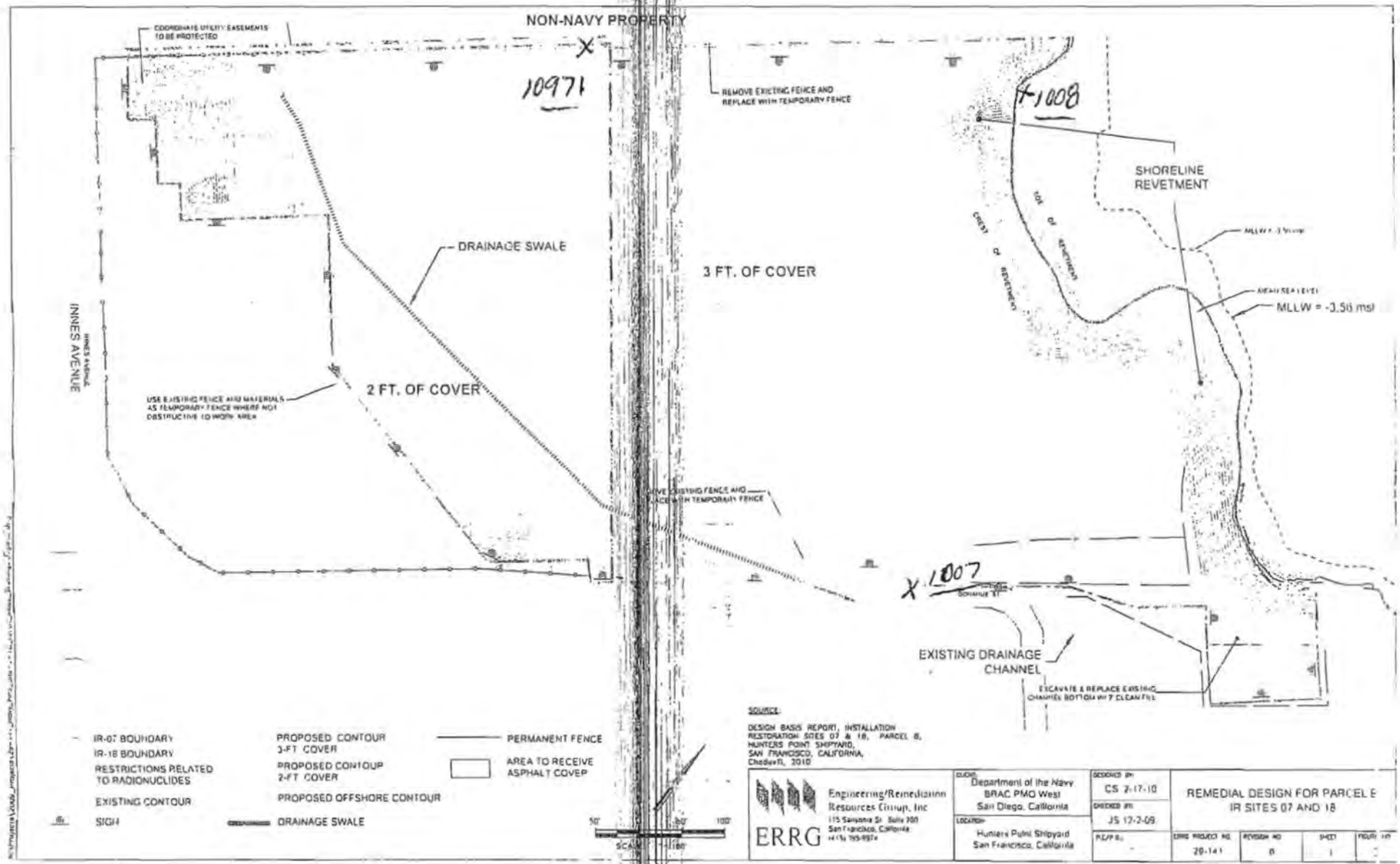
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GPP
Project Name: PARCEL B REMEDIATION
Site Location: LA-07+18
Calibration (Date and Time): 5/13/11 @ 7:30

Client: US NAVY
Project No.: 29-1YY
Page: 1 of
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC ~~PID~~	Instrument TM ~~DataRAM~~	Comments
1007	5/16/11	0720	0.000	0.004	
1008		0724	0.012	0.023	
10971		0728	0.009	0.023	
1007		0815	0.000	0.000	
1008		0820	0.020	0.017	
10971		0825	0.019	0.014	
1007		0935	0.000	0.000	
1008		0940	0.017	0.015	
10971		0945	0.017	0.013	
~~10971~~ 1008		1038	0.012	0.014	
10971		1042	0.012	0.013	
1007		1058	0.000	0.000	
1008		1218	0.008	0.013	PICKED UP - RAIN
10971		1221	0.011	0.012	" "
1007		1226	0.000	0.000	" "


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
10971
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
1008
SHORELINE REVETMENT
CREST OF REVETMENT
TOE OF REVETMENT
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
1007
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 7' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChedexTI, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St. Suite 200
San Francisco, California
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL E IR SITES 07 AND 18
ERRG PROJECT NO. 20-141
REVISION NO. 0
SHEET 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 16/MAY/11

REPORT NO 130

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Continued digging the
	demarcation layer anchor trench and installing the demarcation layer along the northwest property boundary. Continued spreading and
	compacting first lift of soil above the demarcation layer. Started placing additional lifts above the demarcation layer. Verified that activities
	performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Sand cone test of 3rd lift in I5 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Sand cone test of 2nd lift in E3 meets compaction.

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Received sand cone (performed on 5/13) results back from the lab that indicated that sand cone performed in I5 had moisture contents less than
	3% below the optimum moisture content. Will retest this area using both the nuclear density gauge and the sand cone.
06	Received sand cone (performed on 5/13) results back from the lab that indicated that sand cone performed in E3 meets compaction
	requirements.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/16/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/16/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/16/2011

Photo 1: Cover Installation – Placement of the second lift above the demarcation layer.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 16, 2011

Photo 2: Cover Installation – Placement of the second lift above the demarcation layer.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 16, 2011

Photo 3: Cover Installation – Placement of the first lift above the demarcation layer near the northwest property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 16, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 17/MAY/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	131

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy/Cold/Rain	Cloudy/Rain	56	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 small barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	9
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	9
	Continue digging anchor trench and installing demarcation fabric in trench.	ERRG	1	QC Staff	9
	Continue covering demarcation fabric and tape with fill, spread and compact	ERRG	4	Truck Drivers	32
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	6	Equipment Operators	47
		ERRG	7	Laborers	39
		Jerico	4	Marine Subcontractor	20
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	190
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	18021
TOTAL WORK HOURS FROM START OF CONSTRUCTION	18211

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Denbeste	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/17/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 17/MAY/11	REPORT NO: 131 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Cloudy/Cold/Rain	PM WEATHER: Cloudy/Rain	MAX TEMP (F): 56	MIN TEMP (F): 51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	7
	Harris Blade	Case 30 ton articulated offroad dump truck	0
	ERRG	2k Water Truck	0
	United Rentals	R40 Trencher	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/17/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/17/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD & COMPACT FILL, LAY FABRIC + TAPE, TRENCH

SAFETY TOPICS PRESENTED

SAFETY TOPICS WET & SUPPORT EQUIPMENT, WEATHER, WIND

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x Yes ____ No

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Elizabeth Creek	ERRG	
Vicente Valencia	ERRG	
Samuel Martinez	ERRG	
Rafael Lopez	ERRG	
Chris Stark	ERRG	
Liz Bunang	ERRG	

Health & Safety Officer DICK EPP **SUPERINTENDENT** King Bailey

SIGNATURE **SIGNATURE**

ERRG

TAILGATE SAFETY MEETING

DATE 5/17/11 **TIME** _____ **PROJECT NUMBER** _____

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Ty Appel	ERRG	
Heather Wollenburg	ERRG	

Health & Safety Officer _____ **SUPERINTENDENT** _____

SIGNATURE _____ **SIGNATURE** _____

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	TUESDAY	Date:	5/17/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	RAIN	Page:	1 of
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE – 3 POINTS OF CONTACT, SUPPORT EQUIPMENT ACCESS

HAULING, SPREADING + COMPACTING FILL.

LAYING FABRIC & TAPE, TRENCHING

COMPACTION TESTING

PORTABLE DUST METERS NOT IN SERVICE – RAIN

EQUIPMENT IN USE – 3 OFF-ROAD DUMP TRUCKS, END LOADER, 2 BULLDOZERS ROLLER COMPACTOR, TRENCHER, SKIPLOADER.

Signed: Richard Epp Date: 5/17/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 17/MAY/11

REPORT NO 131

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Continued digging the
	demarcation layer anchor trench and installing the demarcation layer along the along the southern edge of the 3-foot cover area. Continued spreading
	and compacting first lift of soil above the demarcation layer. Continued placing additional lifts above the demarcation layer. Continued performing
	compaction tests on the first lift above the demarcation layer (third lift overall) Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/17/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/17/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/17/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 5/17/11	Job No. 29-141	Project/Location HPS 1R-D7-18	Source Material Am-241 / Cs-137	Density Std. 25688
Inspector R. LOZA.	Project Engineer E. BINNING	Other		Moisture Std 17416
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-D1A-34	104.5		17.5	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
156		8"	114.4	17.0	97.4	17.5	93	F3	-1.25'
157		8"	113.5	17.1	96.3	17.7	92	F2	-1.25'
158		8"	112.0	14.5	98.3	14.7	94	E2	-1.25
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

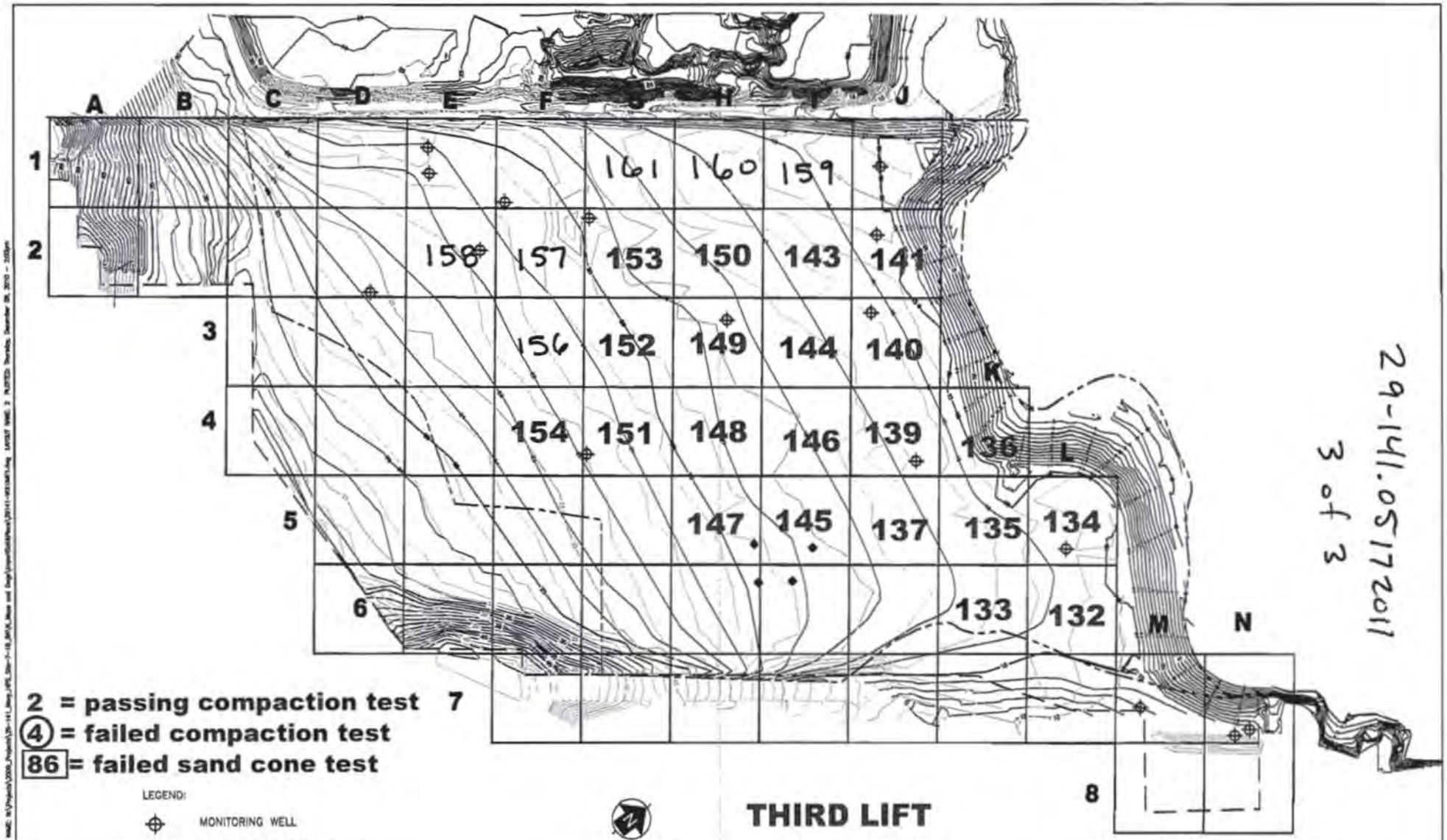
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Gauge No. MC3				
Date/Time 5/17/11	Job No. 29-141	Project/Location HPS IR-07-18	Source Material Am-241 / Cs-137	Density Std. 25688
Inspector R. LOZA	Project Engineer E. Binning	Other		Moisture Std 17416
Curve No. BS-D1A-36	Max. Density (PCF) 104.5	Min. Density (PCF)	Optimum Water (%) 18.0	Equipment in Use smooth drum roller
Specified % Compaction 90%	Specified % Water +/- 3%		Lab Test Method ASTM D-1557	Field Test Method ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
159		8"	113.7	15.7	98.0	16.3	94%	~~I-2~~ I-1	-1.25'
160		8"	117.3	16.6	100.7	16.4	96	H1	-1.25'
161		8"	114.9	19.1	95.7	19.9	91	G1	-1.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____



29-141.05172011
3 of 3

Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-0974 ERRG	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141
				FIG. NO. 1

Moisture Content and Sand Cone Samples

Prepared by: R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/17/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-15	160	H1	-1.25'	16.4	6772	2174

Photo 1: Cover Installation – Installation of the demarcation layer anchor trench along the southwest extent of the 3-foot cover area.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 17, 2011

Photo 2: Cover Installation – Installation of the demarcation tape in a 10-foot by 10-foot grid.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 17, 2011

Photo 3: Cover Installation – Placement of the second lift above the demarcation layer near the western portion of the shoreline.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 17, 2011

Photo 4: Cover Installation – Placement of the first lift above the demarcation layer near the western corner of the 3-foot cover area.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 17, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 18/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 132

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly cloudy	Partly cloudy	63	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	9
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	8
	Continue digging anchor trench and installing demarcation fabric in trench.	ERRG	1	QC Staff	9
	Continue covering demarcation fabric and tape with fill, spread and compact.	ERRG	4	Truck Drivers	32
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	5	Equipment Operators	40
		ERRG	6	Laborers	48
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	195
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	18211
TOTAL WORK HOURS FROM START OF CONSTRUCTION	18406

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Denbeste	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/18/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 18/MAY/11	REPORT NO: 132 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy	PM WEATHER: Partly cloudy	MAX TEMP (F): 63	MIN TEMP (F): 51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS:
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT:
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION:

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	0
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	ERRG	2k Water Truck	0
	United Rentals	R40 Trencher	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/18/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/18/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD + COMPACT FILL. LAY FABRIC & TAPE. TRENCH.

SAFETY TOPICS PRESENTED

SAFETY TOPICS EVERYTHING WET, DON'T FORGET WATER - HYDRATE, AHA REVIEW

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x **Yes** ____ **No**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Jack Thomas	ERRG	[signature]
Lanny Johnson	ERRG	[signature]
Chris Stack	ERRG	[signature]
Larry Stack	ERRG	[signature]
Sergio Asuile	ERRG	[signature]
Guadalupe [illegible]	ERRG	[signature]
Fernando Loza	ERRG	[signature]
VICENTE VALENCIA	ERRG	[signature]
Rafael Loza	ERRG	[signature]
Samuel Martinez	ERRG	[signature]
ALBERTO MEIGOZA	ERRG	[signature]
[illegible] Mark	ERRG	[signature]
[illegible]	[illegible]	[signature]
Vilianna [illegible]	[illegible]	[signature]
[illegible]	ERRG	[signature]
Elizabeth Creek	ERRG	[signature]
Liz Binning	ERRG	[signature]

Health & Safety Officer DICK [illegible] **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	Kirby Bailey		5/18/11 7:00
Site Safety Officer:	Dick Opp		5/18/11 @0700
Employee(s):	Jack Thomas		5/18/11 0700
	Larry Stack		5/18/11 0700
	Chris Stack		5-19-11 700 AM
	Vicente Valencia	Vicente Valencia	5-18-11-7:00AM
	Sergio Aguilera		5/18/11 7:00
	Gerardo Trujillo		5-18-11 7:00
	Fernando Loza		5-18-11 700
	Raul Rodriguez		5-18-11 700
	Villamil Lelei		5-18-11 700
	Samuel Martinez		5-18-11 7:00
	Alberto Mejia		5-18-11 7:00
	Rafael Loza		5-18-11 7:00
	Ken Mark		5-19-11 700
	Larry Johnson		5-18-11 7:00
	Ossie Orozco		5-18-11 7:00
	Elizabeth Creek		5/18/11 7:00
QCM	Liz Binning		5/18/11 0700

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp | Client: Dept of the Navy
Day: WEDNESDAY | Date: 5/18/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots | Project No.: 29-141
Weather: PARTLY CLOUDY | Page: 1 of
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

0700 SAFETY TAILGATE – PPE, SECURING EQUIPMENT, WET SURFACES, CLOSE OPERATIONS – PEOPLE ON FOOT & EQUIPMENT, REVIEW AHAs

HAULING, SPREADING & COMPACTING FILL.

LAYING FABRIC & TAPE ON PERIMETER

TRENCHING PERIMETER.

WORK DAY ENDED @ 1530

EQUIPMENT IN USE: 3 OFF-ROAD DUMP TRUCKS, END LOADER, SKIPLOADER, TRENCHER, 2 DOZERS, ROLLER COMPACTOR, 1 WATER TRUCK.

Signed: [signature] Date: 5/18/11

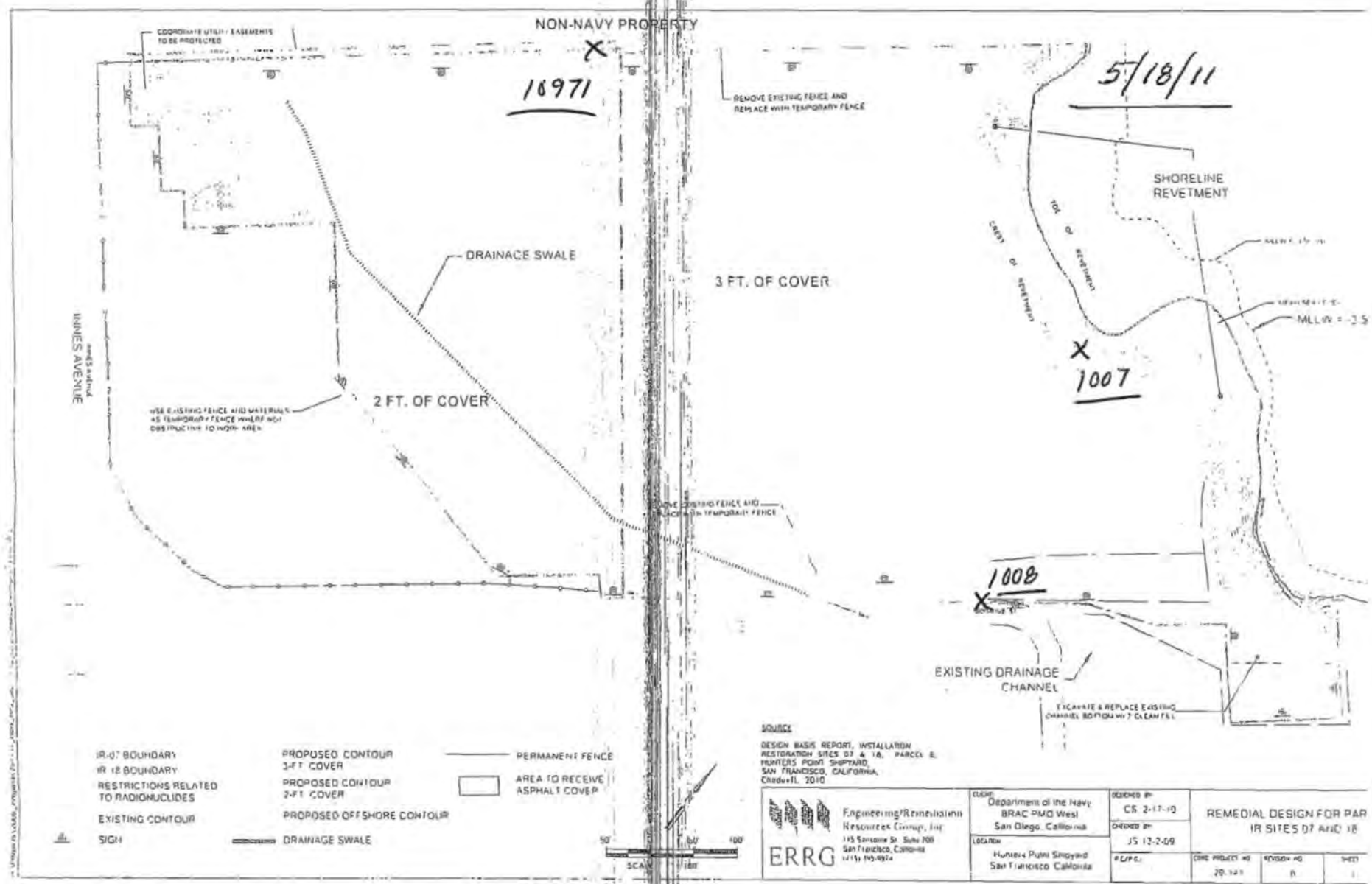
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GYP
Project Name: PARCEL B REMEDIATION
Site Location: IR-07 & 18
Calibration (Date and Time): 5/13/11

Client: US NAVY
Project No.: 29-141
Page: 1 of ___
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
1008	5/18/11	0735	0.022	0.025	
1007		0740	0.000	0.000	
10971		0745	0.033	0.015	
1008		0830	0.015	0.020	
1007		0837	0.000	0.000	
10971		0838	0.019	0.020	
10971		1003	0.018	0.019	
1007		1007	0.000	0.000	
1008		1013	0.009	0.014	
1007		1113	0.000	0.000	
10971		1117	0.015	0.018	
1008		1129	0.019	0.014	
1007		1249	0.000	0.000	
10971		1255	0.016	0.018	
1008		1307	0.013	0.015	
1008		1358	0.018	0.014	
1007		1400	0.000	0.000	
10971		1405	0.011	0.018	
10971		1507	—	—	DOWN
1007		1571	0.078	0.014	
1008		1575	0.015	0.015	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
10971
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
5/18/11
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
MLLW = -3.5
1007
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
1008
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR 18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL E, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St. Suite 700
San Francisco, California
CLIENT
Department of the Navy
BRAC PMO West
San Diego, California
LOCATION
Hunters Point Shipyard
San Francisco California
DESIGNED BY
CS 2-17-10
CHECKED BY
JS 12-2-09
REMEDIAL DESIGN FOR PAR
IR SITES 07 AND 18
REVISION NO
SHEET

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 18/MAY/11

REPORT NO 132

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Continued digging the
	demarcation layer anchor trench and installing the demarcation layer along the along the southeastern property boundary. Continued spreading
	and compacting first lift of soil above the demarcation layer. Continued placing additional lifts above the demarcation layer. Verified that
	activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/18/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/18/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/18/2011

Photo 1: Cover Installation – Installation of the demarcation layer anchor trench along the perimeter of the 3-foot cover area near the site entrance.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 18, 2011

Photo 2: Cover Installation – Installation of the demarcation layer anchor trench at the IR boundary along the edge of Donahue Street.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 18, 2011

Photo 3: Cover Installation – Placement of the demarcation fabric along the edge of the 3-foot cover areas near the site entrance.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 18, 2011

Photo 4: Cover Installation – Placement of additional lifts above the demarcation layer in the center of the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 18, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 19/MAY/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	133

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly cloudy	Partly cloudy	67	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 2 small barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	10
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	9.5
	Continue digging anchor trench and installing demarcation fabric in trench.	ERRG	1	QC Staff	8.5
	Continue covering demarcation fabric and tape with fill, spread and compact.	ERRG	4	Truck Drivers	38
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	4	Equipment Operators	38
	Surveyors setting finish grade.	ERRG	4	Laborers	34
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	0
		Espinosa	2	Land Survey	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	196
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	18406
TOTAL WORK HOURS FROM START OF CONSTRUCTION	18602

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	9.5
	Harris Blade	CAT 35 ton articulated offroad dump truck	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	9.5
	Hertz	2K Water Truck with flotation tires - 1ea	9.5

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/19/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	19/MAY/11		
CONTRACT NO	N62473-09-D-2608	TITLE AND LOCATION	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF
REPORT NO	133 cont.		
CONTRACTOR	Engineering/Remediation Resources Group, Inc.	SUPERINTENDENT	King Bailey
AM WEATHER	Partly cloudy	PM WEATHER	Partly cloudy
MAX TEMP (F)	67	MIN TEMP (F)	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	9.5
	Harris Blade	84" Smooth Drum Compactor - 1 ea	9.5
	harris Blade	Volvo 35 ton articulated offroad dump truck	9.5
	Harris Blade	Case 30 ton articulated offroad dump truck	9.5
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	9.5
	ERRG	2k Water Truck	0
	United Rentals	R40 Trencher	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/19/11 — DATE

TAILGATE SAFETY MEETING

ERRG

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 05/19/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD & COMPACT FILL, LAY FABRIC & TAPE

SAFETY TOPICS PRESENTED

SAFETY TOPICS ERGO - KNOWS WHILE TAPING

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x **Yes** ____ **No**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Jack Thomas	ERRG	
OSCAR [illegible]	ERRG	
Fernando Loza	ERRG	
Sergio Aguilera	ERRG	
Guadalupe Aguilera	ERRG	
Ray Mall	ERRG	
[illegible]	ERRG	
Larry Johnson	ERRG	
Elizabeth Creek	ERRG	
Chris Stack	ERRG	
Larry Stack	ERRG	
Rafael Loza	ERRG	
Liz Bingham	ERRG	
Raul Rodriguez	ESP	
Juan Loreto	ESP	
Sam Espinosa	ESP	

Health & Safety Officer DICK EPP

SIGNATURE

SUPERINTENDENT Kirk Bailey

SIGNATURE

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 5/19/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE - ERGONOMICS, GETTING UP+DOWN WITH FABRIC & TAPE LAYING, KEEP HYDRATED.

HAULING, SPREADING & COMPACTING FILL.

LAYING FABRIC & TAPE.

SURVEYORS ON SITE.

WORK DAY COMPLETED @ 1700.

EQUIPMENT IN USE - 3 OFF-ROAD DUMP TRUCKS, END LOADER, 2 BULLDOZERS, ROLLER COMPACTOR

Signed: [signature] Date: 5/19/11

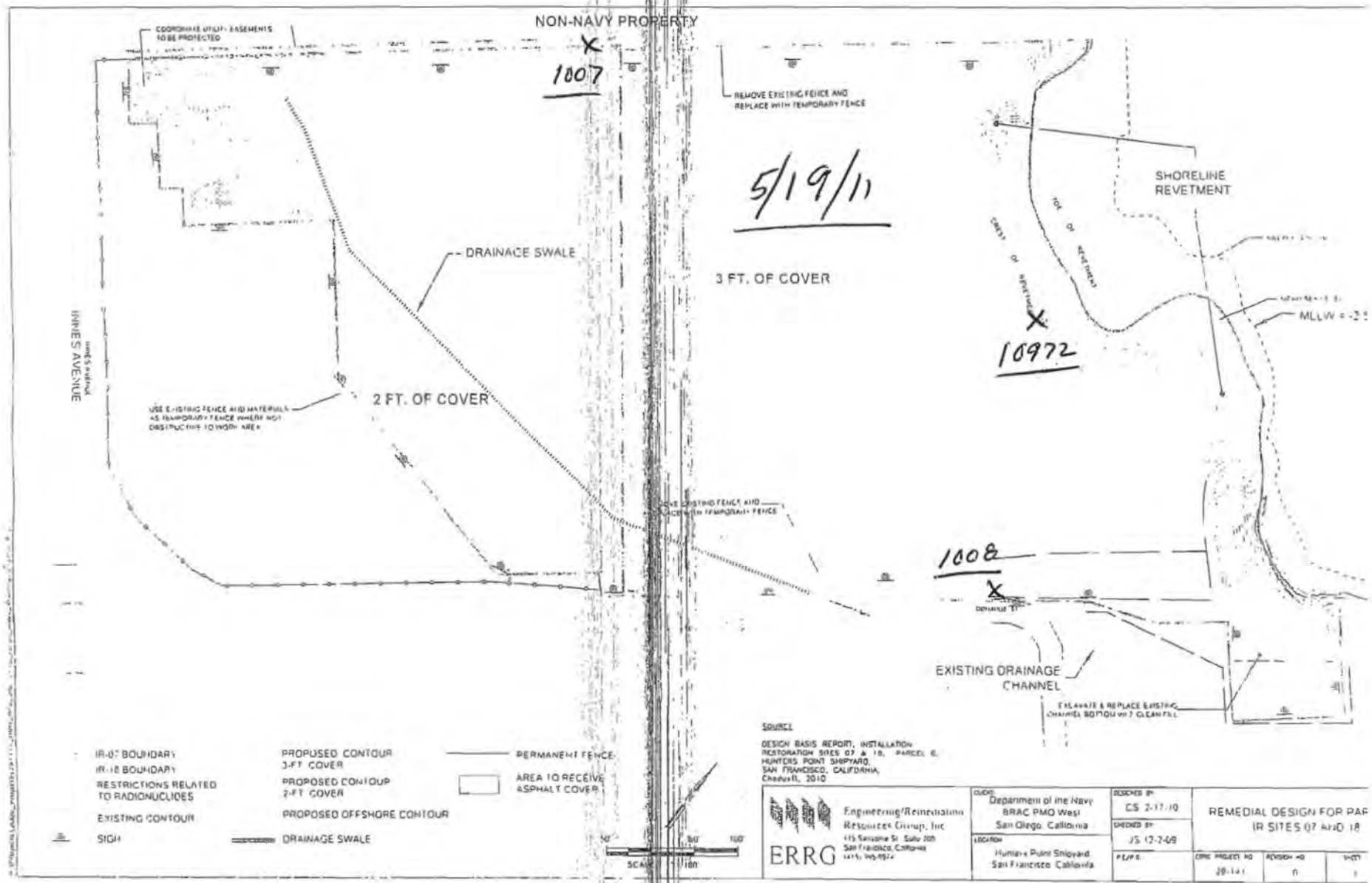
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK OPP
Project Name: PARCEL B RESTORATION
Site Location: IR-07 & 18
Calibration (Date and Time): 5/19/11 @ 0745

Client: US NAVY
Project No.: 29-14
Page: 1 of
Standard Used: AIR BAG

Location	Date	Time	Instrument: CONE. ~~PID~~	Instrument: TMA ~~DataRAM~~	Comments
1008	5/19/11	0752	0.032	0.033	
10972		0755	0.028	0.030	
1007		0800	0.039	0.039	
1007		0900	0.022	0.027	
10971		0903	0.014	0.022	
1008		0911	0.046	0.034	
1007		1018	0.018	0.023	
10971		1023	0.012	0.018	
1008		1027	0.027	0.030	
1007		1124	0.016	0.022	
10971		1130	0.014	0.017	
1008		1133	0.029	0.028	
1007		1350	0.012	0.018	
10971		1355	0.014	0.017	
1008		1358	0.027	0.028	
1007		1450	0.022	0.018	
10971		1458	0.015	0.017	
1008		1502	0.030	0.029	
1007		1642	0.017	0.043	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
5/19/11
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
2 FT. OF COVER
10972
1008
EXISTING DRAINAGE CHANNEL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL 6, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010
ERRG
Engineering/Remediation Resources Group, Inc
Department of the Navy
BRAC PMO West
San Diego, California
Hunters Point Shipyard
San Francisco, California
CS 2-17-10
JS 12-2-09
REMEDIAL DESIGN FOR PAR
IR SITES 07 AND 18

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 19/MAY/11

REPORT NO 133

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued installation of the demarcation fabric and demarcation tape. Finished installing
	the demarcation layer along the southeastern property boundary. Continued spreading and compacting first lift of soil above the demarcation
	layer. Continued placing additional lifts above the demarcation layer. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Sand cone test of 3rd lift in H1 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Received sand cone (performed on 5/17) results back from the lab that indicated that sand cone performed in H1 had moisture contents less than
	3% below the optimum moisture content. Will retest this area using both the nuclear density gauge and the sand cone.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/19/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/19/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up				
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/19/2011

Photo 1: Cover Installation – Installation of the demarcation fabric in the southern corner of the 3-cover area near the Donahue Street gate.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 19, 2011

Photo 2: Cover Installation – Installed demarcation layer at the IR boundary along the edge of Donahue Street.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 19, 2011

Photo 3: Cover Installation – Installed demarcation fabric and demarcation tape along the edge of the 3-foot cover area.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 19, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 20/MAY/11	REPORT NO: 134
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy	PM WEATHER: Partly cloudy / windy	MAX TEMP (F): 63	MIN TEMP (F): 53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	10
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	8
	Continue placing demarcation fabric and tape in cover area.	ERRG	1	H&S Manager	8
	Continue covering demarcation fabric and tape with fill, spread and compact.	ERRG	1	QC Staff	8
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	4	Truck Drivers	32
	Surveyors setting finish grade.	ERRG	4	Equipment Operators	32
		ERRG	4	Laborers	40
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	0
		Espinosa	2	Land Survey	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 186
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 18602
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 18788

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	9.5
	Harris Blade	CAT 35 ton articulated offroad dump truck	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	9.5
	Hertz	2K Water Truck with flotation tires - 1ea	9.5

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/20/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 20/MAY/11	REPORT NO: 134 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy	PM WEATHER: Partly cloudy / windy	MAX TEMP (F): 63	MIN TEMP (F): 53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	9.5
	Harris Blade	84" Smooth Drum Compactor - 1 ea	9.5
	harris Blade	Volvo 35 ton articulated offroad dump truck	9.5
	Harris Blade	Case 30 ton articulated offroad dump truck	9.5
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	9.5
	ERRG	2k Water Truck	0
	United Rentals	R40 Trencher	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/20/11 — DATE

TAILGATE SAFETY MEETING

ERRG

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/20/11 **TIME** 0700 **PROJECT NUMBER** 29-141

CLIENT Dept. of Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPROAD & COMPACT FILL. COMPLETE TAPING. SURVEY FILL ELEVATIONS, EXPOSE WELL

SAFETY TOPICS PRESENTED

SAFETY TOPICS WATCH FOR GROUND PEOPLE

PROTECTIVE CLOTHING/EQUIPMENT Level D: hard hat; safety glasses w/ side shields, reflective safety vest; shirt with sleeves; long pants, work boots, gloves; hearing protection (as needed)

ISSUED LPO CARDS: x **Yes** ____ **No**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed, dust, heat stress

EMERGENCY PROCEDURES Employees to report any injury to supervisor and supervisor to notify SSHO immediately

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 94124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
VICENTE VALENCIA	ERRG	
Jack Thomas	ERRG	
Sergio Aguilera	ERRG	
Guadalupe Trujillo	ERRG	
Rafael Loza	ERRG	
Chris Stack	ERRG	
Larry Stack	ERRG	
Elmer Johnson	ERRG	
Ken Mark	ERRG	
Fernando Loza	ERRG	
Sam Espinosa	ESP	
Juan Luna	ESP	
Elizabeth Creek	ERRG	
Oscar Mora	ERRG	
Raul Rodriguez	ERRG	
Williams Cexi	ERRG	
Matthew Rena	TRACER	

Health & Safety Officer Dick Epp **SIGNATURE**

SUPERINTENDENT King Bailey **SIGNATURE**

ERRG

TAILGATE SAFETY MEETING

DATE 5/20/11 **TIME** _____ **PROJECT NUMBER** _____

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Adam Zwirbel	RDICC	

Health & Safety Officer _____ **SUPERINTENDENT** _____

SIGNATURE _____ **SIGNATURE** _____

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: FRIDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: OVERCAST
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 5/20/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE - WATCH FOR FOOT TRAFFIC ON HAUL ROAD & WORKERS ON FOOT CLEARING WELLS, SURVEYORS & COMPACTION TESTOR

HAULING, SPREADING + COMPACTING FILL

COMPLETE INSTALLING TAPE

CLEARING WELLS

COMPACTION TESTING

SURVEYORS ON SITE

WORK COMPLETED @ 1530.

EQUIPMENT IN USE: 3 OFF ROAD DUMP TRUCKS, END LOADER, 2 BULLDOZERS, ROLLER COMPACTOR, WATER TRUCK.

Signed: Date:

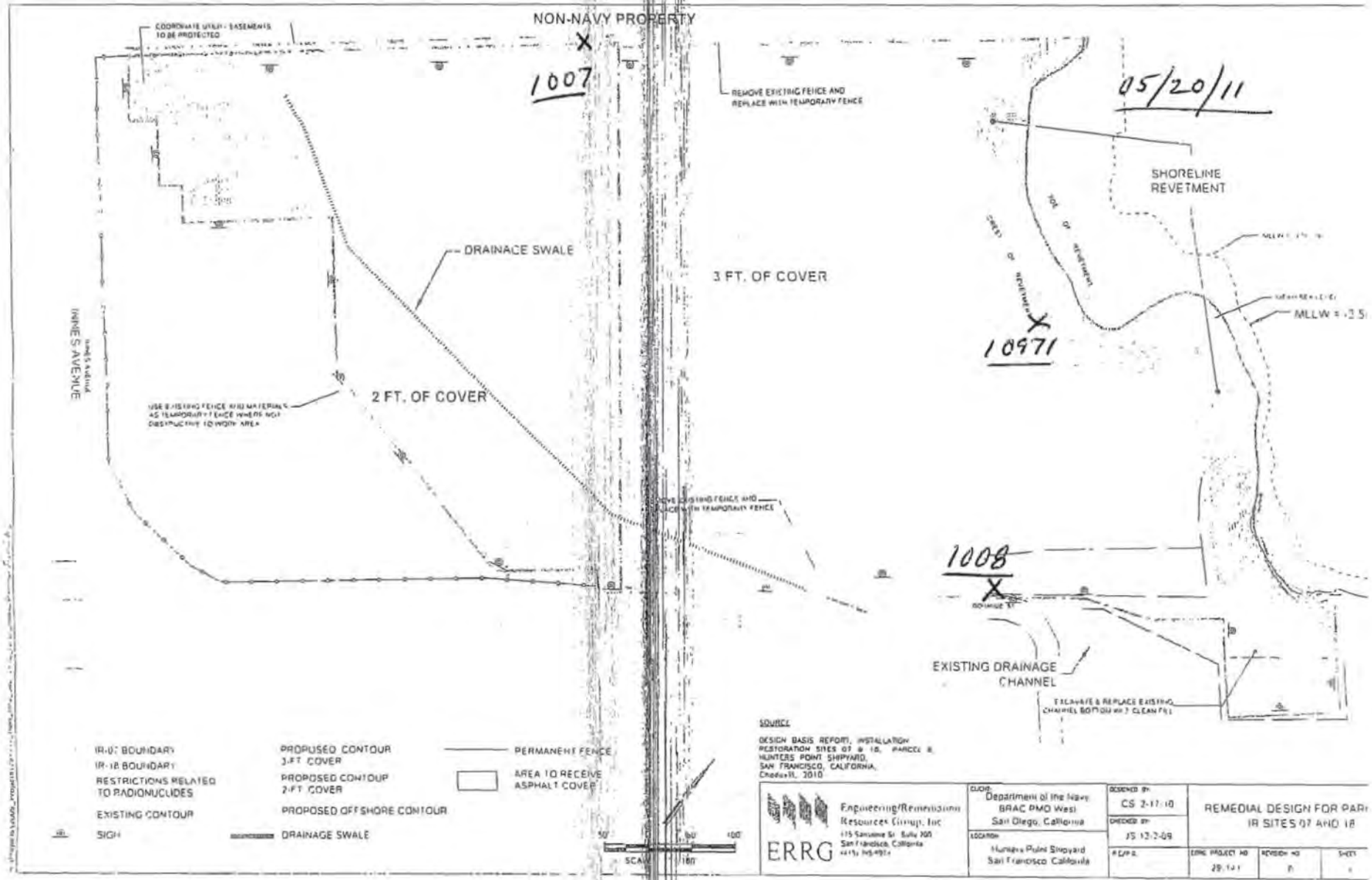
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK EPP
Project Name: PARCEL B RESTORATION
Site Location: IR-07+18
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
1007	5/20/11	0738	0.045	0.062	
10971		0742	0.039	0.029	
1008		0745	0.053	0.053	
10971		0850	0.046	0.025	
1007		0856	0.058	0.055	
1008		0907	0.050	0.052	
10971		1003	0.021	0.024	
1007		1008	0.033	0.051	
1008		1026	0.037	0.048	
10971		1116	0.026	0.024	
1007		1121	0.047	0.043	
1008		1128	0.033	0.044	
10971		1252	0.030	0.025	
1007		1256	0.042	0.037	
1008		1305	0.045	0.043	
1007		1447	0.026	0.033	
10971		1455	—	—	DOWN
1008		1500	0.044	0.045	


NON-NAVY PROPERTY
1007
05/20/11
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
2 FT. OF COVER
INNES AVENUE
10971
1008
EXISTING DRAINAGE CHANNEL
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, October 31, 2010
ERRG
Engineering/Remediation Resources Group, Inc
Department of the Navy BRAC PMO West
San Diego, California
Hunters Point Shipyard
San Francisco California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CAT 735 **Identification Number:** CN GN 58

Project Number / Name: HP SHIPYARD (BACKFILL) **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	S.A 5/16/11			CS 5/17/11												Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☒	☒	☐	☐	☑	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD DUMP TRUCK **Identification Number:** DA3B73

Project Number / Name: HP NAVY SHIP YARD **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															
	5-16-11 MON			5-17-11 TUE			5-18-11 WED			5-19-11 THUR			5-20-11 FRI			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Defect(s):
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	DOOR GLASS RACKED
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 03 CASE **Identification Number:** NT3M69

Project Number / Name: **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5/16/11			SA 5/17/11			SA 5/18/11			SA 5/19/11			5/20/11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☑	☑	☐	☑	☑	☐	☑	☐	☐	☑	☐	☐	☑	Windshield wipers wasted
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☑	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: [illegible]

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Dozer D6 LGP **Identification Number:** BMA35152

Project Number / Name: 0141 **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-16-11 ZBP			5-17-11 ZBP			5-18-11 ZBP			5-19-11 ZBP						
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 2K Water truck Sun belt **Identification Number:** # 835

Project Number / Name: 29 141 HPWSY **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Km 5/16			Not used												
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	Rear tires low pressure
Tracks	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CAT 735 Haul Truck **Identification Number:** _____

Project Number / Name: HP NAVAL SHIPYARD (BACKFILL) **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-9-11 CS			5-10-11 CS			5-11-11 CS			5-12-11			5-13-11 CS			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 2K WATER TRUCK (HERTZ) **Identification Number:** CA LP 548734

Project Number / Name: ~~HPNS~~ **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	FL 5-16-11			FL 5-17-11			FL 5-18-11			FL 5-19-11						Defect(s):
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	DRIVER SIDE STEP SMALL DAMAGE
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	ABS LIGHT ON

Explain corrective actions taken:

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Cat 972 Loader **Identification Number:** Denbeste JN4C63

Project Number / Name: HPNS 2541 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Chris Stroll Monday			JT Tuesday			JT Wednesday			JT Thursday Loader Harvi's Blade			JT Friday Harvi's Blade Loader			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☐	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D-6R Dozer **Identification Number:** MS8X63

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-16-11			5-17-11			5-18-11			5-19-11			5-20-11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: Loose Belts Fixed 5-17-11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: ERRG 2K Water truck **Identification Number:** _____

Project Number / Name: 29-141 HPNSY **Rental** ☐ **ERRG** ☒

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
	Mon KM 5/9			5/10 KM Tue			5/11 JAS									
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	Took out of Harris Black CAT
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☒	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	Light ok (Brake)
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: Fire extinguisher charged but no exp tag → Fix 5/10 KM

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 20/MAY/11

REPORT NO 134

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Finished installation of the demarcation fabric and demarcation tape. Continued spreading
	and compacting first lift of soil above the demarcation layer. Continued placing additional lifts above the demarcation layer. Continued
	performing compaction tests on the third lift. Started performing compaction tests on the fourth lift. Verified that activities performed conformed
	to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/20/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/20/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**				To be performed prior to well installation.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up				
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/20/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 5/20/11	Job No. 29-141	Project/Location HPS IR-07&-18	Source Material Am-241 / Cs-137	Density Std. 25688
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 17416
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-36	104.5		18.0	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3% ~~18%~~ EB		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
162		8"	124.9	20.7	104.2	19.8	99%	F-1	~~2nd Lift~~ EB -1.25'
163		8"	123.4	20.1	103.3	19.1	98%	E-1	-1.25'
164		8"	122.8	19.9	103.0	19.3	98%	D-1	-1.25'
165		8"	123.0	20.5	102.5	19.6	98%	D-2	-1.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5/20/11	Job No.: 29-141	Project/Location: HPS IR-07&-18	Source Material: Am-241 / Cs-137	Density Std.: 25688
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 17416
Curve No.: BS-DIA-41	Max. Density (PCF): 110.5	Min. Density (PCF):	Optimum Water (%): 10.8	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3% ~~10.8~~ SB		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
166		8"	118.5	13.8	104.7	13.2	94%	C-1	-1.25'
167		8"	115.5	12.5	103.0	12.1	93%	C-2	-1.25'
168		8"	116.1	11.2	104.9	10.8	94%	D-3	-1.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 5/20/11	Job No. 29-141	Project/Location HPS 1R-07-18	Source Material Am-241 / Cs-137	Density Std. 25688
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 1741 6
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-34	104.5		17.5	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3% ~~17.5~~ EB		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
169		8"	115.9	16.4	99.5	16.4	95%	E-4	-1.25'
170		8"	116.4	18.3	98.1	18.8	94%	E-3	-1.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

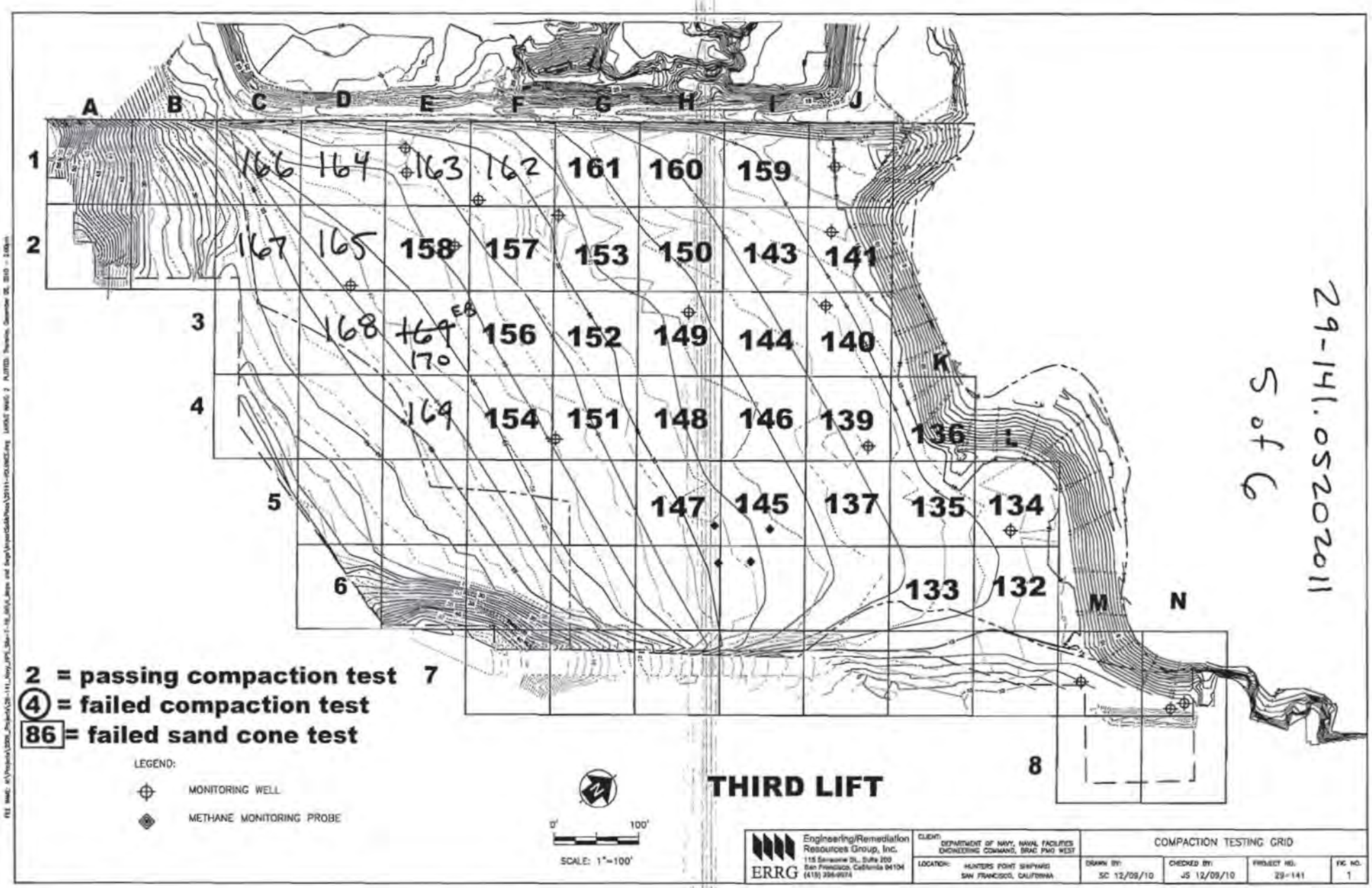
				Gauge No. MC3
Date/Time: 5/20/11	Job No.: 29-141	Project/Location: HPS 1R-07+-10	Source Material: Am-241 / Cs-137	Density Std.: 25688
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 17416
Curve No.: BS-DIA-28	Max. Density (PCF): 104.1	Min. Density (PCF):	Optimum Water (%): 18.7	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3% ~~18.7~~ EB		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922, ASTM D-3017

Gauge Readings

Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
171		6"	120.5	21.5	99.0	21.7	95	L-6	-0.75'
		Average							

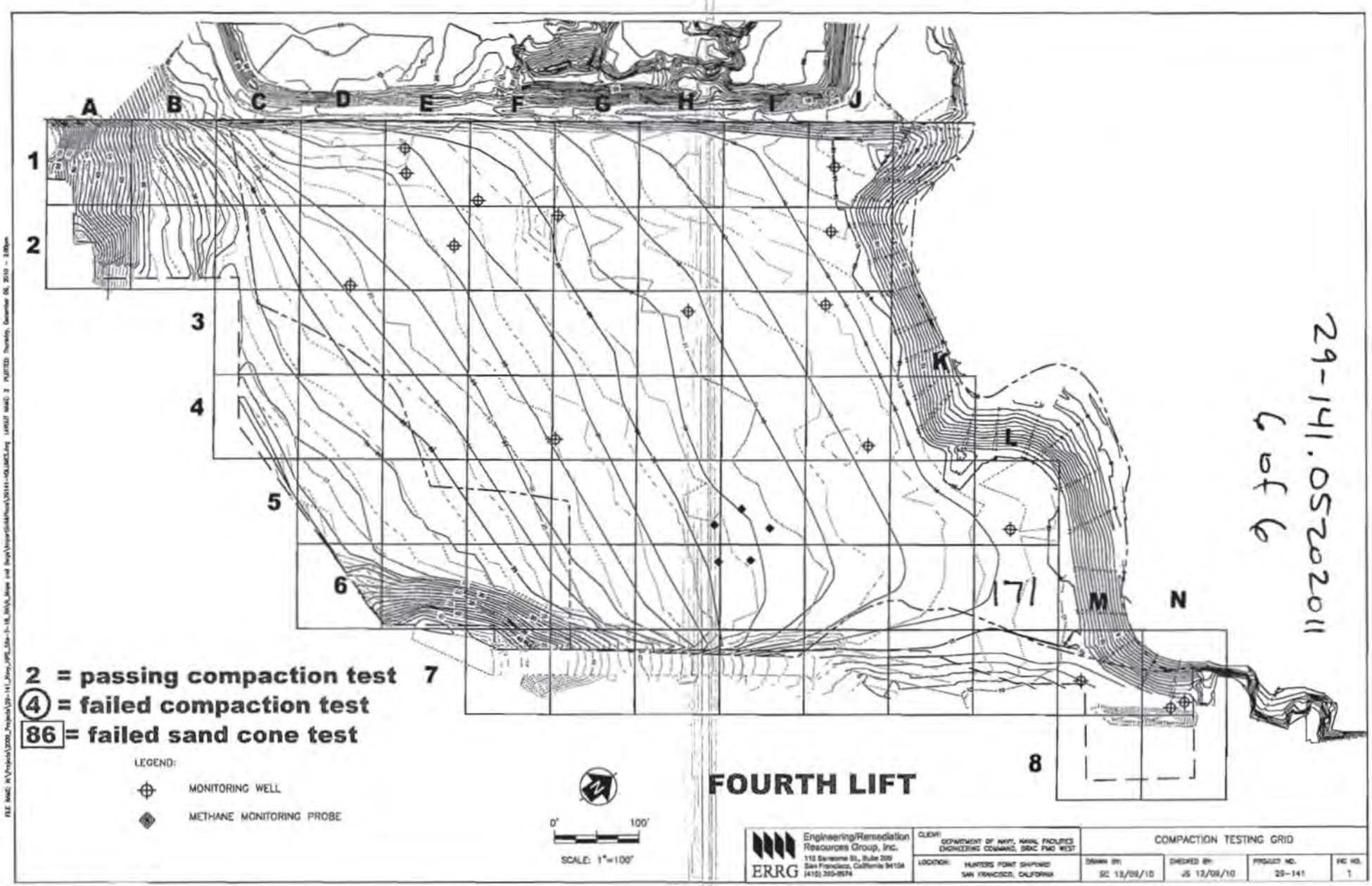
Remarks: _____

Inspector: _____ Reviewed: _____



ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 399-9374	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO.: 29-141
				FIG. NO.: 1

29-141.052011
5 of 6



29-141.05202011
6 of 6

Moisture Content and Sand Cone Samples

Prepared by: ~~SF~~ EB R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/20/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-16	171	L-6	-0.75'	21.7	6062	1538

Photo 1: Cover Installation – Completed installation of the demarcation fabric in the 3-cover area along the Donahue Street boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 20, 2011

Photo 2: Cover Installation – Completed installation of the demarcation fabric in the 3-cover area along the Donahue Street boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 20, 2011

Photo 3: Cover Installation – Placement of first lift of cover soil above the demarcation layer using the low ground pressure dozer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 20, 2011

Photo 4: Cover Installation – Placement of first lift of cover soil above the demarcation layer using the low ground pressure dozer. Compacting the 12-inch loose lift with the smooth drum roller after it is placed with the dozer.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 20, 2011

Photo 5: Cover Installation – Placement of additional lifts of cover material above the demarcation layer in the center of the 3-foot cover area.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 20, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 23/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 135

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly cloudy / Windy	Clear / Windy	64	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9.5
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	9.5
	Continue covering demarcation fabric and tape with fill, spread and compact.	ERRG	1	H&S Manager	9.5
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	QC Staff	8
		ERRG	5	Truck Drivers	40
		ERRG	4	Equipment Operators	33.5
		ERRG	2	Laborers	16
		Jerico	4	Marine Subcontractor	40
		ERRG	4	Project Manager	4

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	170
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	18788
TOTAL WORK HOURS FROM START OF CONSTRUCTION	18958

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

☑ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	9.5
	Hertz	2K Water Truck with flotation tires - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/23/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 23/MAY/11	REPORT NO: 135 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy / Windy	PM WEATHER: Clear / Windy	MAX TEMP (F): 64	MIN TEMP (F): 51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	0
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	ERRG	2k Water Truck	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/23/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/23/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD & COMPACT SOIL, EXPOSE WELLS, COMPACTION TESTS

SAFETY TOPICS PRESENTED

SAFETY TOPICS WINDY, FOOT TRAFFIC NEAR WELLS, AHA REVIEW

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Fernando Loza	ERRG	
Jack Thomas	ERRG	
Lenny Johnson	ERRG	
Rafael Loza	ERRG	
Oscar Orozco	ERRG	
Larry Stark	ERRG	
Ken Marks	ERRG	
Vicente Valencia	ERRG	
Sergio Figueroa	ERRG	
Guadalupe Trujillo	ERRG	
Elizabeth Creek	ERRG	
LIZ BINNING	ERRG	
JOHN SOURIAL	ERRG	

Health & Safety Officer DICK OPP **SUPERINTENDENT** KING BAILEY

SIGNATURE **SIGNATURE**

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	King Bailey		07:00 5-23-11
Site Safety Officer:	DICK EPP		0700 5/23/11
Employee(s):	Fernando Loza		0700 5/23/11
	Rafael Loza	Rfael Loza	7:00 5-23-11
	OROZCO OSCAR	Osar cr	7:00 5-23-11
	JACK THOMAS		0700 5-23-11
	LARRY JOHNSON	Larry Johnson	7:00 - 5-23-11
	Larry Stack	L B Stack	7:00 5-23-11
	Ken Mark	Ken Mark	700 5-23-11
	VICENTE VALENCIA	Vicente Valencia	7:00 5-23-11
	Guadalupe Trujillo	Guadalupe Trujillo	7:00 5-23-11
	Sesio Arellano	Sesio Arellano	7:00 5/23/11
	Elizabeth Creek	EC	7:00 5/23/11
QCM	Liz Banning		0700 5/23/11
	JOHN SOURIAL		0800 5/23/11

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Client: Dept of the Navy
Day: MONDAY
Date: 5/23/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: CLEAR
Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

0700 SAFETY TAILGATE – WIND, TRAFFIC, AHA REVIEW.

HAUL, SPREAD + COMPACT FILL

EXPOSE WELLS

COMPACTION TESTING

WORK DAY ENDED @ 1530.

EQUIPMENT IN USE: 2 WATER TRUCKS, 3 OFF-ROAD DUMP TRUCKS, END LOADER, 2 BULLDOZERS, ROLLER COMPACTOR.

Signed: [signature] Date: 5/23/11

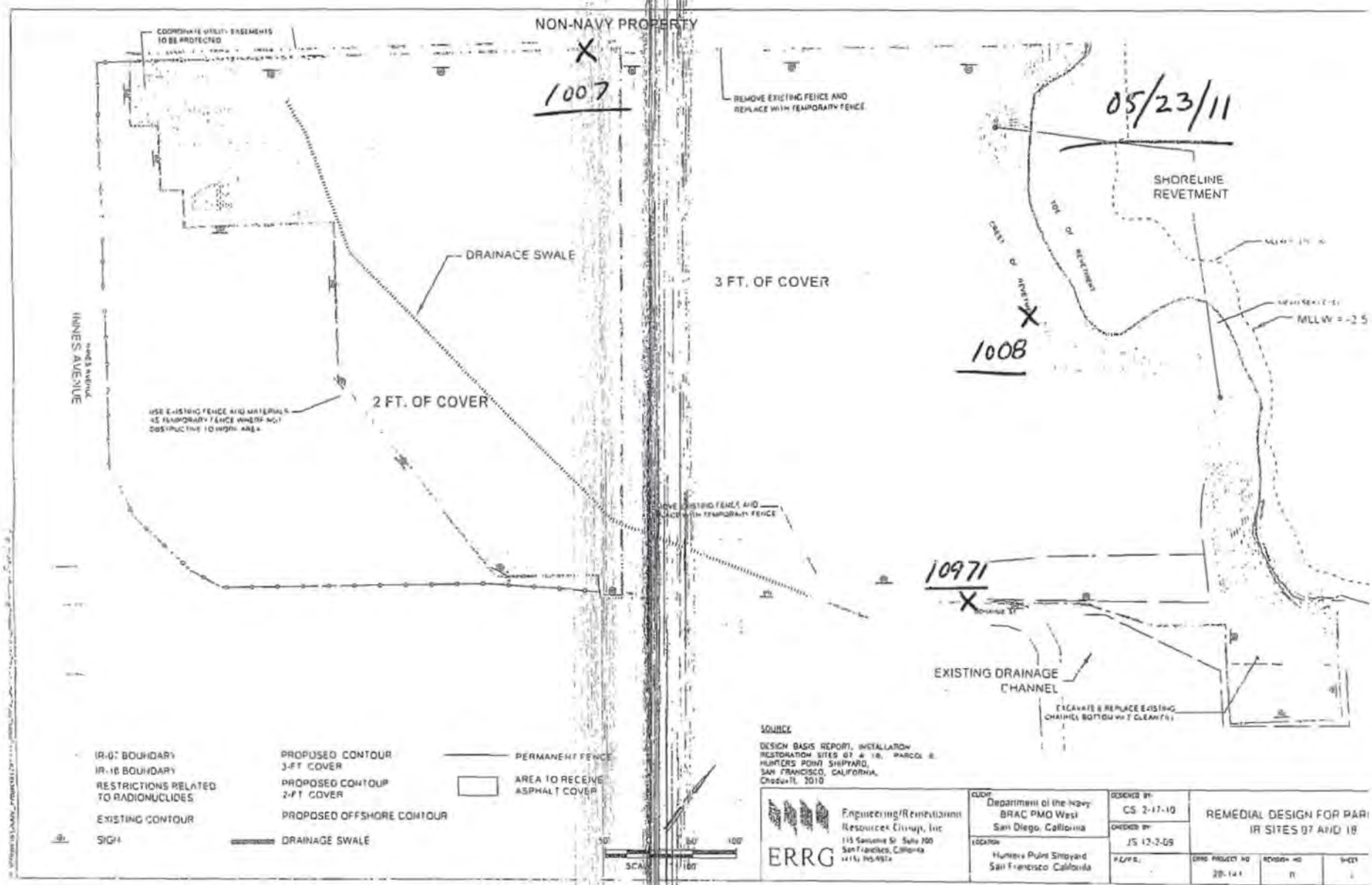
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK EPP
Project Name: PARCEL B REMEDIATION
Site Location: IR-07 #18
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument CMC. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10971	5/23/11	0735	0.051	0.045	
1008		0744	0.044	0.043	
1007		0748	0.039	0.041	
10971		0832	0.031	0.034	
1008		0835	0.045	0.045	
1007		0844	0.026	0.029	
10971		1008	0.031	0.033	
1008		1011	0.038	0.044	
1007		1015	0.027	0.026	
10971		1110	0.032	0.033	
1008		1113	0.039	0.044	
1007		1118	0.024	0.025	
1007		1326	0.018	0.026	
1008		1330	0.041	0.044	
10971		1393	0.031	0.033	
1007		1458	0.022	0.025	
1008		1502	0.045	0.044	
10971		1507	—	—	DOWN


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
05/23/11
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
2 FT. OF COVER
1008
MLLW = -2.5
10971
EXISTING DRAINAGE CHANNEL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL E, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwick, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St. Suite 700
San Francisco, California
CLIENT
Department of the Navy
BRAC PMO West
San Diego, California
LOCATION
Hunters Point Shipyard
San Francisco California
DESIGNED BY
CS 2-17-10
CHECKED BY
JS 12-2-09
REMEDIAL DESIGN FOR PARI
IR SITES 07 AND 18
ERRG PROJECT NO
REVISION NO
SHEET

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 23/MAY/11

REPORT NO 135

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued spreading and compacting first lift of soil above the demarcation layer.
	Continued placing additional lifts above the demarcation layer. Continued performing compaction tests on the third lift. Continued performing
	compaction tests on the fourth lift. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/23/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/23/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**				
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/23/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

Report No.: 29-141.05232011
Page 1 of 7

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5-23-11	Job No.: 29-141	Project/Location: HPS 1R-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 24936 Xi 1.03
Inspector: R. LOZA	Project Engineer: E BINNING	Other:		Moisture Std: 16509 .88
Curve No.: BS-DIA-28	Max. Density (PCF): 104.1	Min. Density (PCF):	Optimum Water (%): 18.7	Equipment in Use: smooth drum roller
Specified % Compaction: 90 %	Specified % Water: +/- 3% ~~18.7~~ EB		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
172		6"	114.0	16.7	97.4	17.1	93 %	L-5	-0.75'
173		6"	116.1	17.8	98.3	18.3	94%	K-6	-0.75'
174		6"	115.0	18.3	96.7	18.8	92.%	K-5	-0.75'
175		6"	116.8	17.3	99.5	17.9	95%	K-4	-0.75'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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Martinez, CA 94553
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Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5-23-11	Job No.: 29-141	Project/Location: HPS 1R-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 24936
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16504
Curve No.: BS-DIA-34	Max. Density (PCF): 104.5	Min. Density (PCF):	Optimum Water (%): 17.5	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3% ~~17.5~~ EB		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
176		6"	111.3	16.7	94.6	17.6	90%	J-5	-0.75'
177		6"	111.1	17.0	94.1	18.0	90%	J-4	-0.75'
178		6"	110.6	15.3	95.3	16.1	91%	J-3	-0.75'
179		6"	115.4	14.9	100.5	14.8	96%	J-2	-0.75'
180		6"	110.3	14.6	95.7	14.9	91%	I-2	-0.75'
181		6"	116.1	15.2	100.9	14.9	96%	I-3	-0.75'
182		6"	112.9	17.2	95.7	16.8	91%	I-4	-0.75'
183		6"	116.0	14.1	101.9	14.6	97%	I-5	-0.75'
184		6"	113.4	19.0	94.3	20.1	90%	H-2	-0.75'
185		6"	113.3	19.4	93.9	20.5	90%	H-3	-0.75'
186		6"	111.5	17.4	94.1	18.1	90%	H-4	-0.75'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 5-23-11	Job No. 29-141	Project/Location HPS IR-07-18	Source Material Am-241 / Cs-137	Density Std. 24936
Inspector R. LOZA	Project Engineer E BINNING	Other		Moisture Std 16504
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-36	104.5		18.0	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3% ~~18%~~ EB		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
187		6"	124.4	18.9	105.5	17.9	100%	I-1	-0.75'
188		6"	125.4	21.1	104.2	19.9	99%	H-1	-0.75'
189		6"	123.6	20.3	103.3	19.2	98%	G-4	-0.75'
190		6"	113.8	16.4	97.4	16.7	93%	G-3	-0.75'
191		6"	120.8	15.8	104.9	15.1	100%	G-2	-0.75'
192		6"	120.2	16.4	103.8	15.2	98%	G1	-0.75'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

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Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5-23-11	Job No.: 29-141	Project/Location: HPS IR-07 & -18	Source Material: Am-241 / Cs-137	Density Std.: 24936
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16504
Curve No.: BS-DIA-41	Max. Density (PCF): 110.5	Min. Density (PCF):	Optimum Water (%): 10.8	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3% ~~10.8~~ EB		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

Gauge Readings

Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
193		6"	126.8	12.9	113.9	11.3	100%	F-1	~~Fourth ft~~ -0.75
194		6"	115.3	10.7	109.6	10.2	94%	E-1	-0.75'
195		6"	111.3	11.5	99.8	10.8	90%	F-2	-0.75'
196		6"	111.7	11.6	100.2	11.5	90%	F-3	-0.75'
197		6"	120.8	13.6	107.2	12.6	97%	E-2	-0.75'
198		6"	111.0	11.1	99.9	11.1	90%	E-3	-0.75'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG

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Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

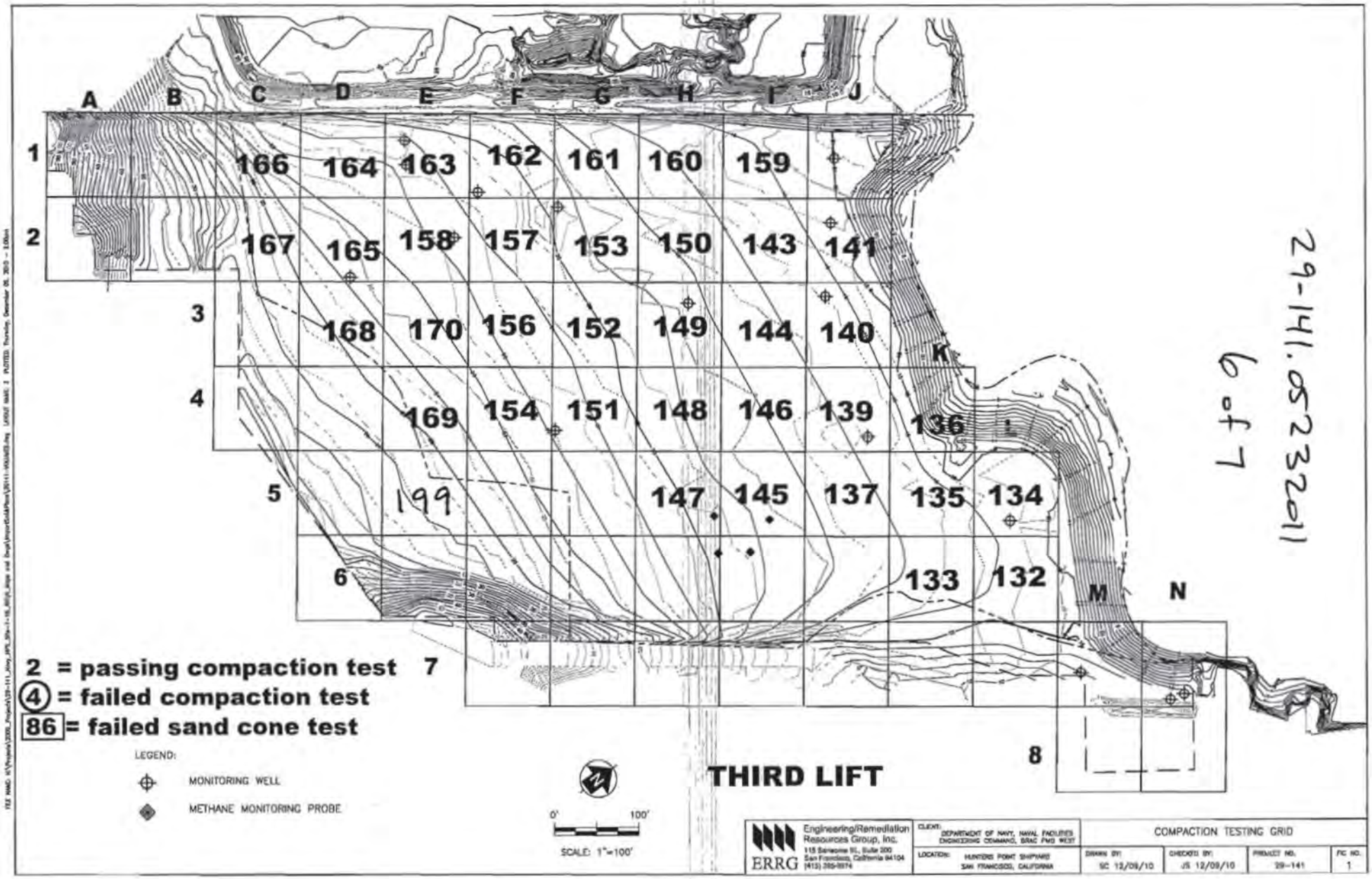
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5/23/11	Job No.: 29-141	Project/Location: HPS IR-07-18	Source Material: Am-241 / Cs-137	Density Std.: 24936
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16504
Curve No.: BS-DIA-17	Max. Density (PCF): 106.5	Min. Density (PCF):	Optimum Water (%): 18.0	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
199		6"	118.6	16.4	102.3	16.0	96	ES	-1.5'
Average									

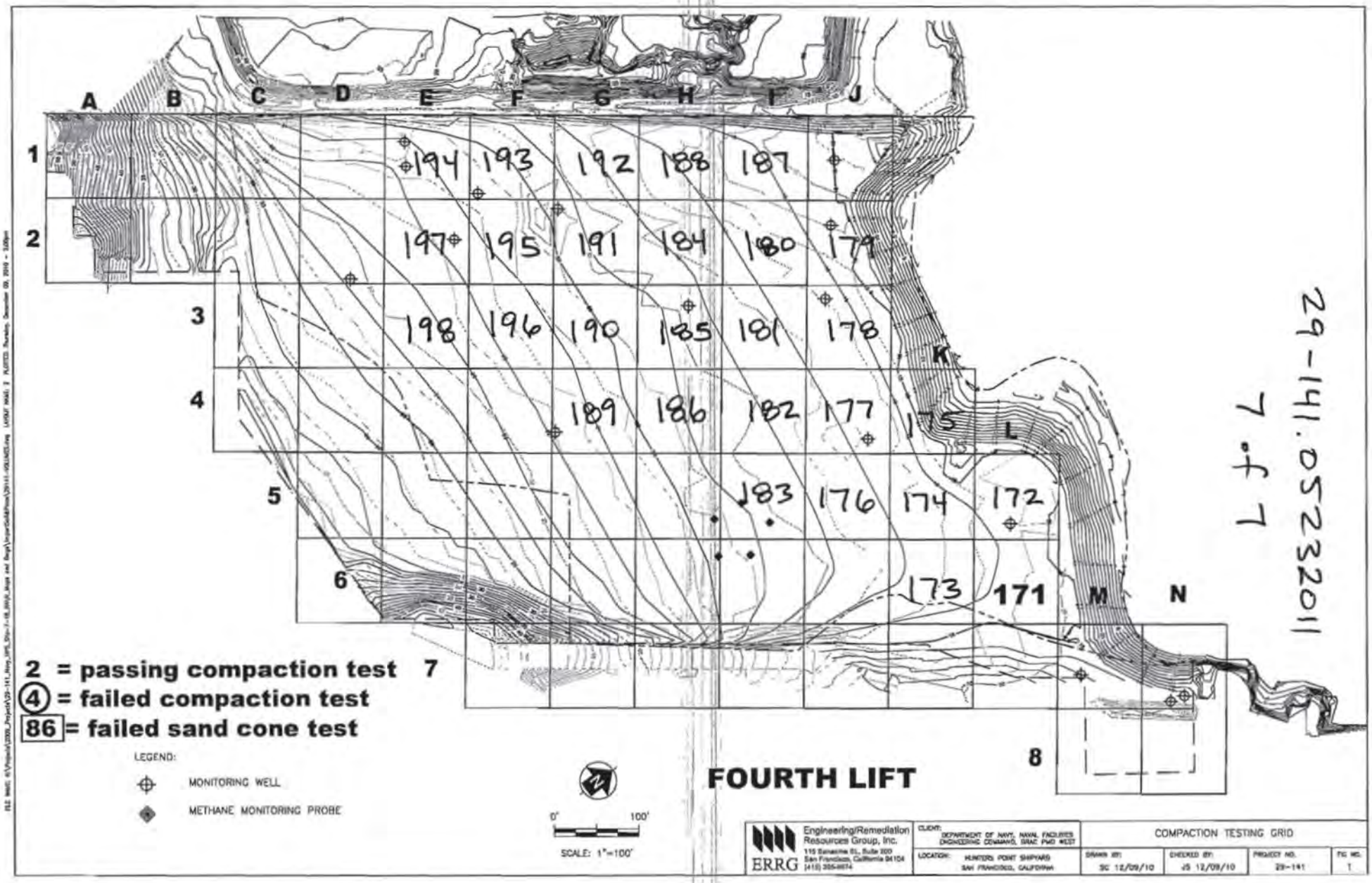
Remarks: _____

Inspector: _____ Reviewed: _____



29-141.052311
6 of 7

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 399-9374	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1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177
175
183
176
174
172
173
171
2 = passing compaction test
(4) = failed compaction test
86 = failed sand cone test
LEGEND:
MONITORING WELL
METHANE MONITORING PROBE
0'
100'
SCALE: 1"=100'
FOURTH LIFT
29-141.05232011
7 of 7
ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 900
San Francisco, California 94104
(415) 399-9674
CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, SRAC PWD WEST
LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA
COMPACTION TESTING GRID
DRAWN BY: SC 12/09/10
CHECKED BY: JS 12/09/10
PROJECT NO. 29-141
FIG NO. 1

Moisture Content and Sand Cone Samples

Prepared by: R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/23/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-17	184	H-2	9-0.75	120.1	7044	2546
HPS-MC-18	196	F-3	-0.75	11.5	7188	2216

Photo 1: Cover Installation – Placement of the first lift of cover soil above the demarcation layer along the Donahue Street boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 23, 2011

Photo 2: Cover Installation – Placement of the first lift of cover soil above the demarcation layer along the Donahue Street boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 23, 2011

Photo 3: Cover Installation – Grading of the first lift of cover soil above the demarcation layer along the Donahue Street boundary on the 3:1 slope.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 23, 2011

Photo 4: Cover Installation – Placement of additional lifts of cover soil near the center of the 3-foot cover area.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 23, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 24/MAY/11	REPORT NO: 136
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Clear / Windy	PM WEATHER: Clear / Windy	MAX TEMP (F): 61	MIN TEMP (F): 50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 small barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	8
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	H&S Manager	8
	Extending monitoring wells.	ERRG	1	QC Staff	8
		ERRG	6	Truck Drivers	40
		ERRG	4	Equipment Operators	32
		ERRG	4	Laborers	31
		Jerico	4	Marine Subcontractor	20
		ERRG	4	Project Manager	4

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	160
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	18958
TOTAL WORK HOURS FROM START OF CONSTRUCTION	19118

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/24/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 24/MAY/11	REPORT NO: 136 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Clear / Windy	PM WEATHER: Clear / Windy	MAX TEMP (F): 61	MIN TEMP (F): 50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	4
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	ERRG	2k Water Truck	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/24/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/24/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAULING, SPREADING & COMPACTING FILL, EXTENDING WELLS, COMPACTION TESTS

SAFETY TOPICS PRESENTED

SAFETY TOPICS TRAFFIC, WORKING AROUND EQUIPMENT, SPEED

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente Valencia	ERRG	Vicente Valencia
Sergio [illegible]	ERRG	[illegible]
[illegible]	ERRG	[illegible]
[illegible]	ERRG	[illegible]
Larry Johnson	ERRG	Larry Johnson
Fernando Loza	ERRG	[illegible]
Rafael Loza	ERRG	[illegible]
[illegible]	ERRG	[illegible]
Larry Stack	ERRG	[illegible]
Oscar [illegible]	ERRG	[illegible]
Ken Mark	ERRG	[illegible]
Elizabeth Creek	ERRG	[illegible]
Jack Thomas	ERRG	[illegible]
Liz Binning	ERRG	[illegible]
JOHN SOURIAL	ERRG	[illegible]
Shirley Ng	ROICC	[illegible]
[illegible]	HARRIS	[illegible]

Health & Safety Officer DICK EPP **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: TUESDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOUD
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 5/24/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE - BE AWARE, ACTIVITIES AROUND YOU!

HAULING, SPREADING & COMPACTING FILL

UNCOVERING WELLS & EXTENDING WELLS.

COMPACTION TESTING.

EQUIPMENT IN USE: 3 OFF-ROAD DUMP TRUCKS, END LOADER, 2 BULLDOZERS, ROLLER COMPACTOR, SKIP LOADER, PLATE COMPACTOR AROUND WELLS.

Signed: M Epp

Date: 5/24/11

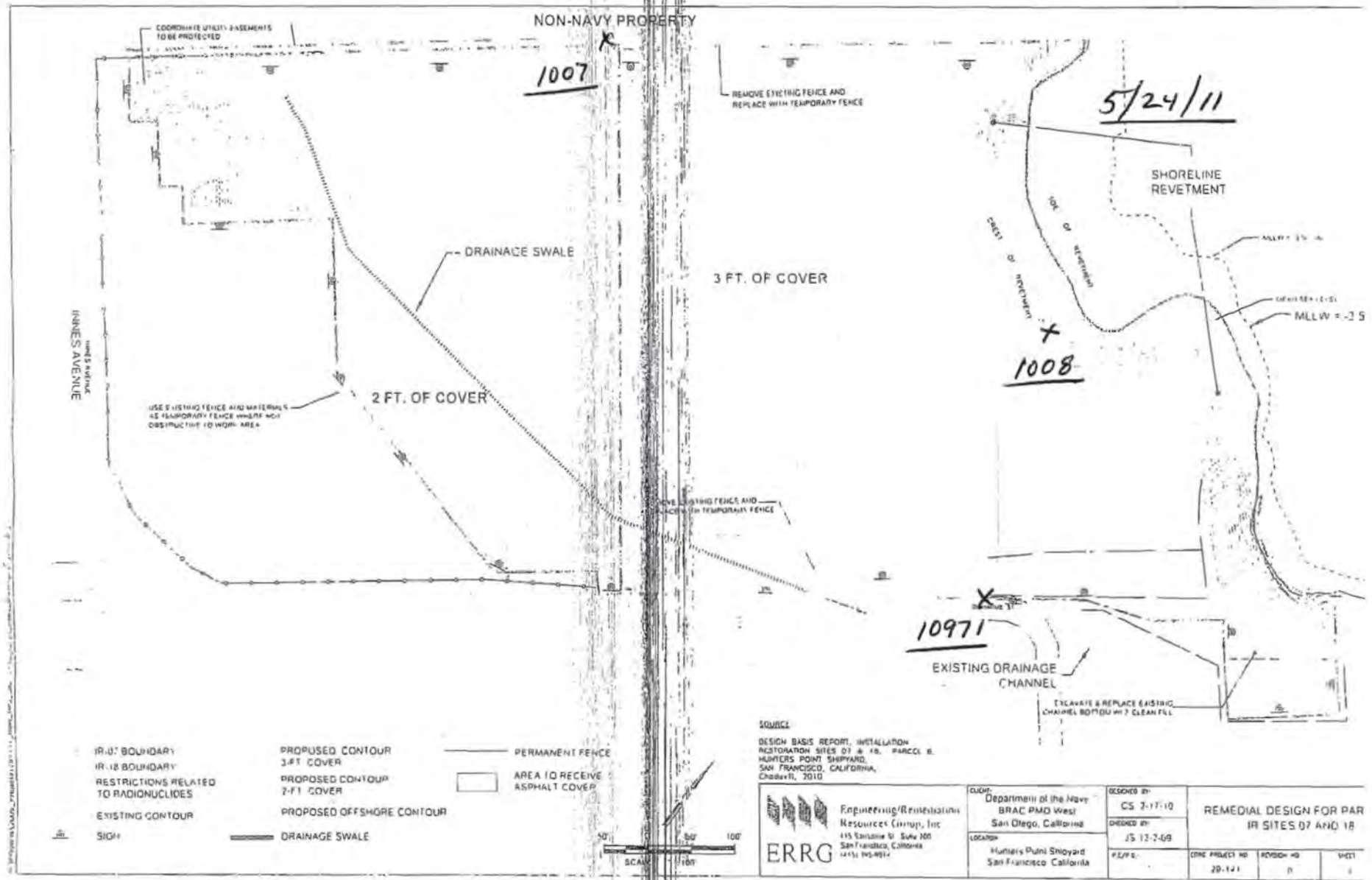
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GPP
Project Name: PARCEL B ADMODIATION
Site Location: IR-07+18
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument Conc. ~~PID~~ TVA	~~DataRAM~~	Comments
10971	5/24/11	0735	0.039	0.035	
1008		0739	0.063	0.066	
1007		0744	0.052	0.053	
10971		0837	0.064	0.068	
1008		0840	0.070	0.072	
1007		0845	0.045	0.047	
10971		0956	0.042	0.066	
1008		0959	0.066	0.068	
1007		1006	0.035	0.042	
1008		1246	0.050	0.063	
1007		1253	0.028	0.037	
1007		1510	0.030	0.035	
1008		1515	0.088	0.077	BLEED OVER
10971		1517	—	—	DOD


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
5/24/11
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
CREST OF REVETMENT
TOE OF REVETMENT
MLLW = -2.5
1008
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
10971
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2 CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChaduxTI, 2010
ERRG
Engineering/Remediation Resources Group, Inc
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PAR
IR SITES 07 AND 18
CDRC PROJECT NO 29-141
REVISION NO 0
SHEET 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 24/MAY/11

REPORT NO 136

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Finished spreading and compacting first lift of soil above the demarcation layer.
	Continued placing additional lifts above the demarcation layer. Continued performing compaction tests on the second, third, fourth lifts. Started
	extension of the monitoring wells. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Retested and achieved compaction in 2nd lift of B2.

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Retested the 3rd lift in I5 that failed the sand cone. Results pending.
06	Retested the 3rd lift in H1 that failed the sand cone. Results pending.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/24/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/24/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/24/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. / Density Std.
5-24-11	29-141	HPS IR-07+-68	Am-241 / Cs-137	MC3 / 24690 x1 1.03
Inspector	**Project Engineer**	**Other**		**Moisture Std**
R. LOZA	E. BINNING			16456 .95
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Equipment in Use**
BS-DIA-41	110.5		10.8	smooth drum roller
Specified % Compaction	**Specified % Water**		**Lab Test Method**	**Field Test Method**
90%	+/- 3% ~~10.8~~ EB		ASTM D-1557	ASTM D-2922 ASTM D-3017

Third lift

		Gauge Readings								
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
200		8"	118.7	12.9	105.8	12.5	95%	F-5	-1.25'
201		8"	120.7	14.0	106.7	12.9	96%	G-5	-1.25'
202		8"	115.3	11.5	103.8	10.7	93%	G-6	-1.25'
203		8"	117.2	11.9	105.3	11.0	95%	H-6	-1.25'
204		8"	118.1	13.4	104.7	12.8	99%	I-6	-1.25'
205		8"	113.9	13.8	100.1	13.2	90%	J-6	-1.25'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5-24-11	Job No.: 29-141	Project/Location: HPS 12-07-18	Source Material: Am-241 / Cs-137	Density Std.: 24690
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16456
Curve No.: BS-DIA-41	Max. Density (PCF): 110.5	Min. Density (PCF):	Optimum Water (%): 10.8	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3% ~~+0.8~~		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

Fourth lift

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
206		6"	122.5	12.8	109.7	11.6	99%	D-1	-0.75'
207		6"	114.1	10.2	103.9	9.8	94%	C-1	-0.75'
208		6"	116.8	10.3	106.5	9.6	96%	C-2	-0.75'
209		6"	118.5	13.8	105.3	13.1	95%	D-2	-0.75'
210		6"	114.9	14.2	100.7	13.6	91%	D-3	-0.75'
212		6"	117.3	12.4	104.9	11.7	94%	F-4	-0.75'
213		6"	119.9	14.8	105.1	13.8	95%	G-5	-0.75'
214		6"	120.3	13.1	107.2	12.4	97%	H-5	-0.75'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Gauge No. MC3				
Date/Time: 5/24/11	Job No.: 29-141	Project/Location: HPS-1R-02-18	Source Material: Am-241 / Cs-137	Density Std.: 24690
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16456
Curve No.: BS-DIA-47	Max. Density (PCF): 105.0	Min. Density (PCF):	Optimum Water (%): 15.5	Equipment in Use: smooth drum roller
Specified % Compaction: 90 %	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
211		6"	127.5	19.6	107.8	18.1	100	E4	-0.75'
216		6"	120.2	18.7	101.5	18.4	97	G6	-0.75'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Gauge No. MC3				
Date/Time: 5/24/11	Job No.: 29-141	Project/Location: HPS IR-07-18	Source Material: Am-241 / Cs-137	Density Std.: 24690
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16456
Curve No.: BS-DIA-36	Max. Density (PCF): 104.5	Min. Density (PCF):	Optimum Water (%): 18.0	Equipment in Use: smooth drum roller
Specified % Compaction: 90 %	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
215	160R	8"	124.7	21.6	103.1	20.9	98	H1	-1.25'
Average									

Remarks: Test 215 is a retest of test 160.

Inspector:

Reviewed:

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. / Density Std.
5/24/11	29-141	HPS 1B-07-18	Am-241 / Cs-137	MC3 / 24690
Inspector	**Project Engineer**	**Other**		**Moisture Std**
R. LOZA	E. BINNING			16456
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Equipment in Use**
BS-DIA-28	104.1		18.7	smooth drum roller
Specified % Compaction	**Specified % Water**		**Lab Test Method**	**Field Test Method**
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	**Retest**	**Test Depth**	**Total Density**	**Total Water**	**Dry Density**	**% Water**	**%Proctor (% compact)**	**Location**	**Elevation**
217	145R	8"	114.6	20.1	94.5	21.7	90	I5	-1.25'
	Average								

Remarks: Test 216 EB 217 is a retest of test 145.

Inspector: _____ Reviewed: _____

ERRG
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Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

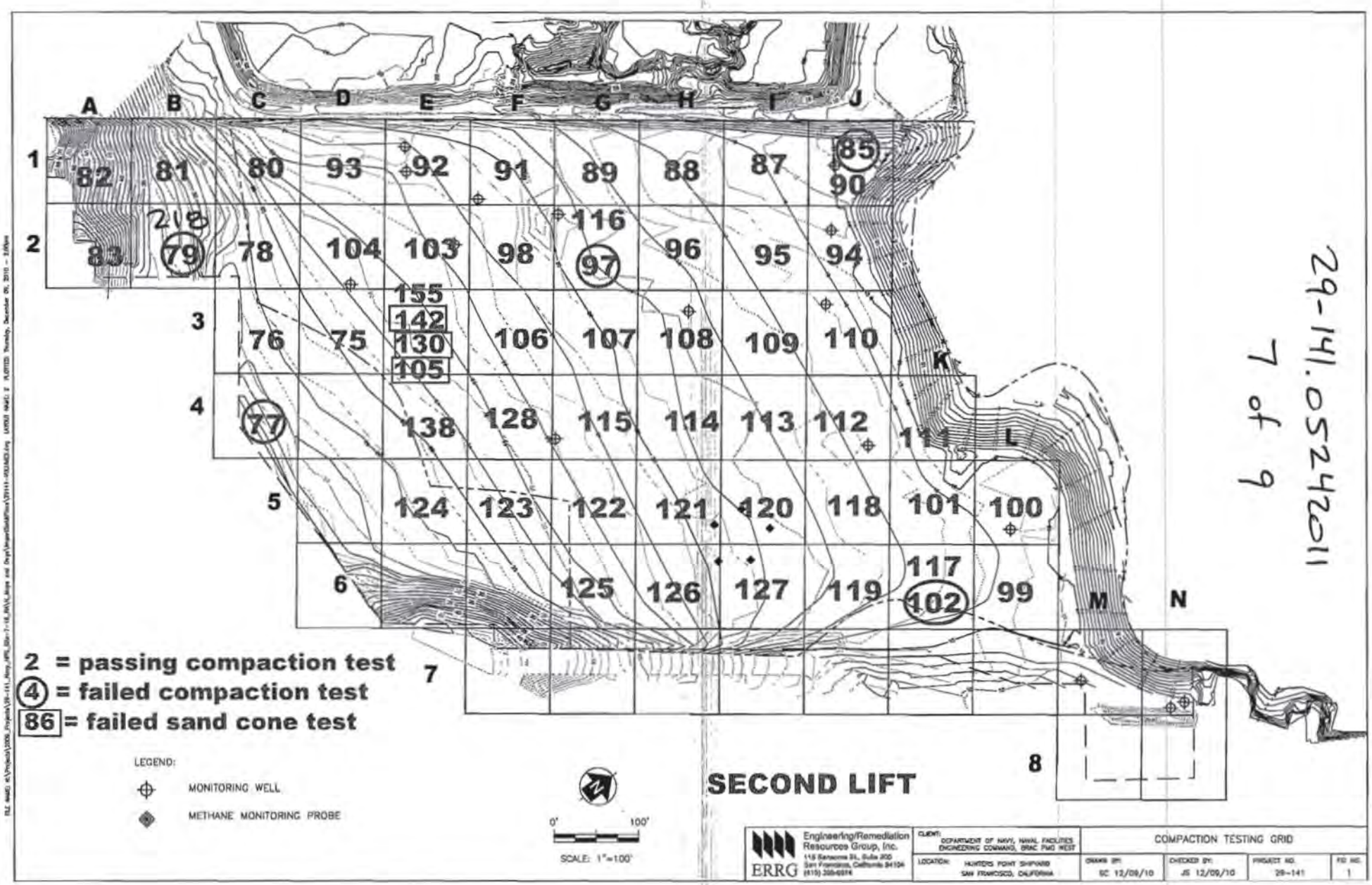
Gauge No. MC3				
Date/Time: 5/24/11	Job No.: 29-141	Project/Location: HPS 1R-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 24690
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16456
Curve No.: BS-DIA-05	Max. Density (PCF): 102.5	Min. Density (PCF):	Optimum Water (%): 14.9	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
218	79R	6"	112.9	15.7	97.2	16.2	95	B2	-1.0'
Average									

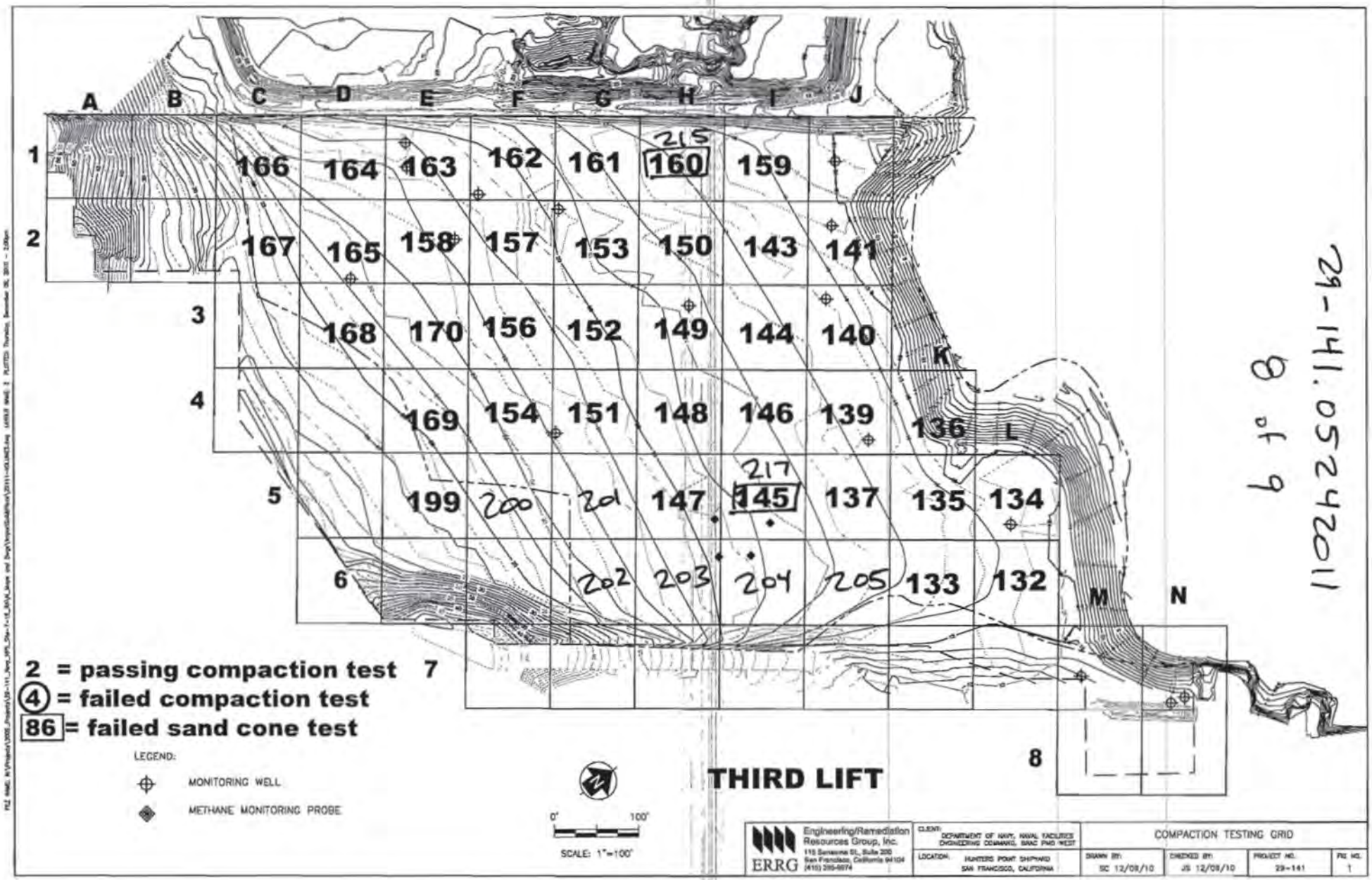
Remarks: Test 218 is a retest of test 79.

Inspector:

Reviewed:



29-141.052611
7 of 9



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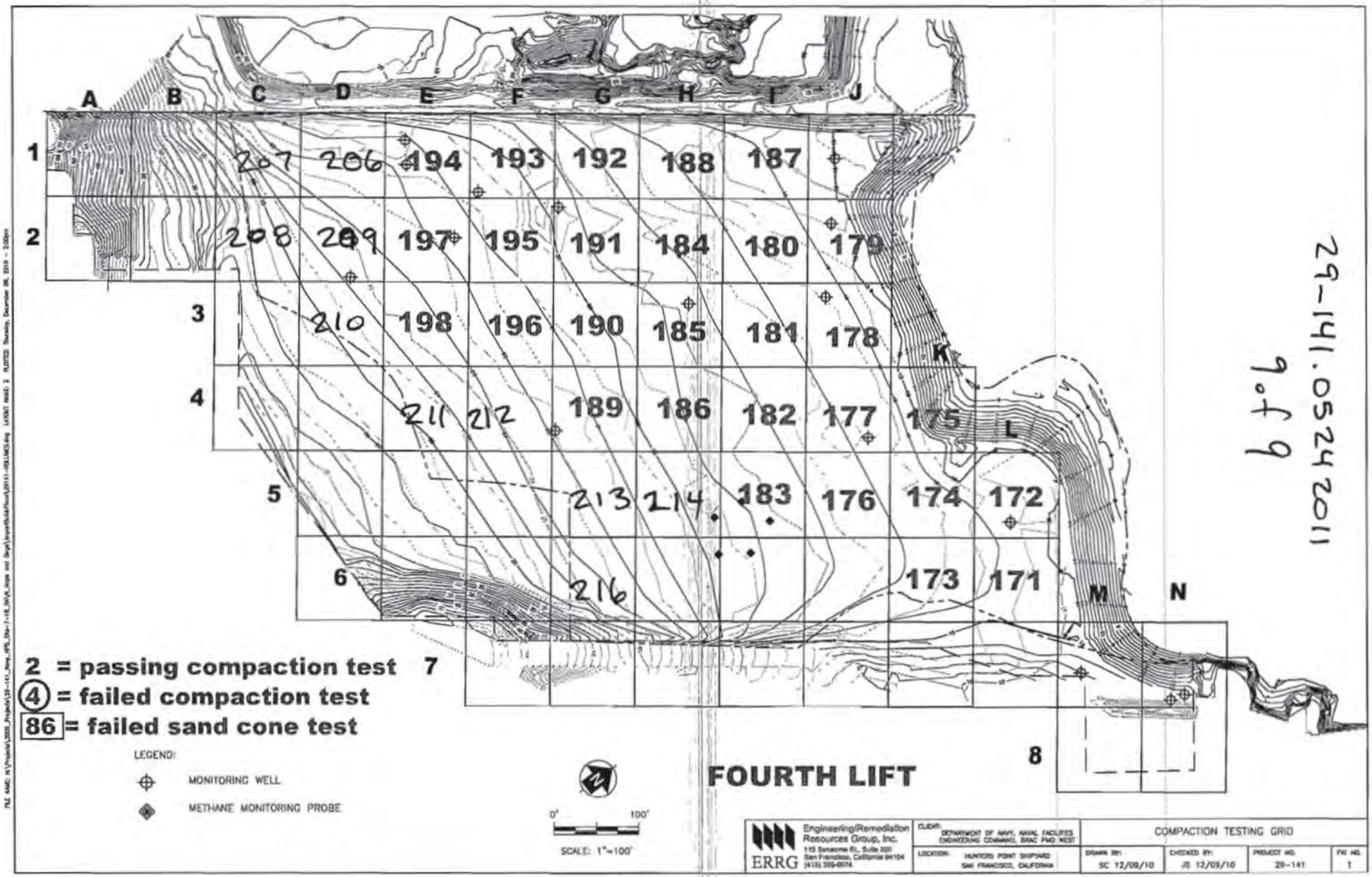
8 of 9



Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 399-8574

CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST

LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA

COMPACTION TESTING GRID

DRAWN BY:	CHECKED BY:	PROJECT NO.	FIG NO.
SC 12/09/10	JB 12/09/10	29-141	1

29-141.0524.2011
9 of 9

Moisture Content and Sand Cone Samples

Prepared by: R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/24/1
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-19	211	E-4	Fourth lift -0.75'	18.1	7054	2314
HPS-MC-20	215	H-1	third lift -1.25'	20.9	7156	2284
HPS-MC-21	217	I-5	third lift -1.25'	21.7	7224	2350

Photo 1: Cover Installation – Grading of the first lift of cover soil above the demarcation layer along the Donahue Street boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 24, 2011

Photo 2: Cover Installation – Placement of additional lifts of cover soil near the transition between the 2-foot and 3-foot cover areas on the southwestern portion of the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 24, 2011

Photo 3: Cover Installation – Placement of additional lifts of cover soil near the western property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 24, 2011

Photo 4: Cover Installation – Backfill and compaction around well extensions.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 24, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 25/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 137

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear / Windy	Clear / Windy	61	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	8
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	H&S Manager	8
	Extending monitoring wells.	ERRG	1	QC Staff	8
		ERRG	4	Truck Drivers	31
		ERRG	5	Equipment Operators	40
		ERRG	4	Laborers	25
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	6

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	159
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	19118
TOTAL WORK HOURS FROM START OF CONSTRUCTION	19277

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/25/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 25/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 137 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear / Windy	Clear / Windy	61	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	ERRG	2k Water Truck	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/25/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/25/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD & COMPACT FILL, EXTEND + UNCOVER WELLS COMPACTION TESTING

SAFETY TOPICS PRESENTED

SAFETY TOPICS POTENTIAL WET SURFACES, AHA REVIEW

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Sergio Piguelen	ERRG	[signature]
Guadalupe Trujillo	ERRG	[signature]
[illegible]	[illegible]	[signature]
Vicente Valencia	ERRG	[signature]
Larry Johnson	ERRG	Larry Johnson
Larry Stack	ERRG	[signature]
Joshua Bell	ERRG	[signature]
DAVID HASAL	ERRG	[signature]
Rafael Loza	ERRG	[signature]
JOSE MEIZOSA	ERRG	[signature]
Oscar Orozco	ERRG	[signature]
Ken Mark	ERRG	[signature]
Liz Binning	ERRG	[signature]
JOHN SOURIAL	ERRG	[signature]

Health & Safety Officer DICK EPP **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	WEDNESDAY	Date:	5/25/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	CLOUDY / RAIN	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE – TRAFFIC, FOOT TRAFFIC IN WORK AREA, NEW PEOPLE.

HAUL, SPREAD & COMPACT FILL

COMPACTION TESTING

PORTABLE DUST MONITOR DEPLOYMENT DELAYED – PONDING RAIN

UNCOVER & EXTEND WORKS.

PORTABLE DUST MONITOR NOT DEPLOYED WHEN RAIN STOPPED @ 1300, GROUND AND FILL MATERIAL THOROUGHLY WET @ ALL AREAS.

WORK DAY ENDED @ 1530.

EQUIPMENT IN USE: 3 OFFROAD DUMP TRUCKS, END LOADER, 2 BULLDOZERS, ROLLER COMPACTOR, SKIDLOADER, WACKER COMPACTOR

Signed: Richard Epp Date: 5/25/11

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	Mike Barley		5-25-11 7:00 AM
Site Safety Officer:	DICK EPPI		5/25/11 @ 0700
Employee(s):	Sergio Aguilera		5/25/11 7:00
	Guadalupe Fraguillo		5-25-11 7:00
	William Lopez		5-25-11 700
	Vicente Valencia		5-25-11 - 7:00
	Larry Johnson		5-25-11 - 7:00
	Larry Stack		5-25-11 - 7:00
	Joshua Pill		5-25-11 - 7:00
	DAVID HASAC		5-25-11 700
	JESE MEZA		5-25-11 7:00
	Rafael Loza		5-25-11 7:00
	OSCAR OROZ		5-25-11 7:00
	Ken Mark		5-25-11 700
	JOHN SOURIAL		5-25-11 2:00

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 25/MAY/11

REPORT NO 137

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued placing additional lifts above the demarcation layer. Continued performing
	compaction tests on the second, third, fourth lifts. Continued extension of the monitoring wells. Verified that activities performed conformed
	to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
06	Tests of 3rd lift in A1, A2, and B1 failed compaction.

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Retested and achieved compaction in 2nd lift of C4.

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/25/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/25/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/25/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

Report No.: 29-141.052801
Page 1 of 5

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. / Density Std.
5/25/11	29-141	HPS 1R-07-18	Am-241 / Cs-137	MC3 / 25020
Inspector	**Project Engineer**	**Other**		**Moisture Std**
R. LOZA	E. BINNING			16021
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Equipment in Use**
BS-DIA-05	102.5		14.9	smooth drum roller
Specified % Compaction	**Specified % Water**		**Lab Test Method**	**Field Test Method**
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings								
Test No.	**Retest**	**Test Depth**	**Total Density**	**Total Water**	**Dry Density**	**% Water**	**%Proctor (% compact)**	**Location**	**Elevation**
219	77R	6"	108.0	13.4	94.6	14.2	92	C4	-1.0
		Average							

Remarks: _____

Inspector: _____

Reviewed: _____

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 5/25/11	Job No.: 29-141	Project/Location: HPS IR-07-18	Source Material: Am-241 / Cs-137	Density Std.: 25020
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16021
Curve No.: BS-DIA-06	Max. Density (PCF): 98.3	Min. Density (PCF):	Optimum Water (%): 19.0	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3% ~~19.0~~ EB		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
220		6"	116.6	21.4	95.2	22.0	96	D4	-1.0'
221		6"	110.7	19.0	91.7	20.7	93	D5	-1.0'
222		6"	110.2	17.1	93.0	18.4	94	D6	-1.0'
223		6"	111.9	19.1	92.8	20.5	94	E6	-1.0'
224		6"	112.7	18.6	94.1	19.4	95	F6	-1.0'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

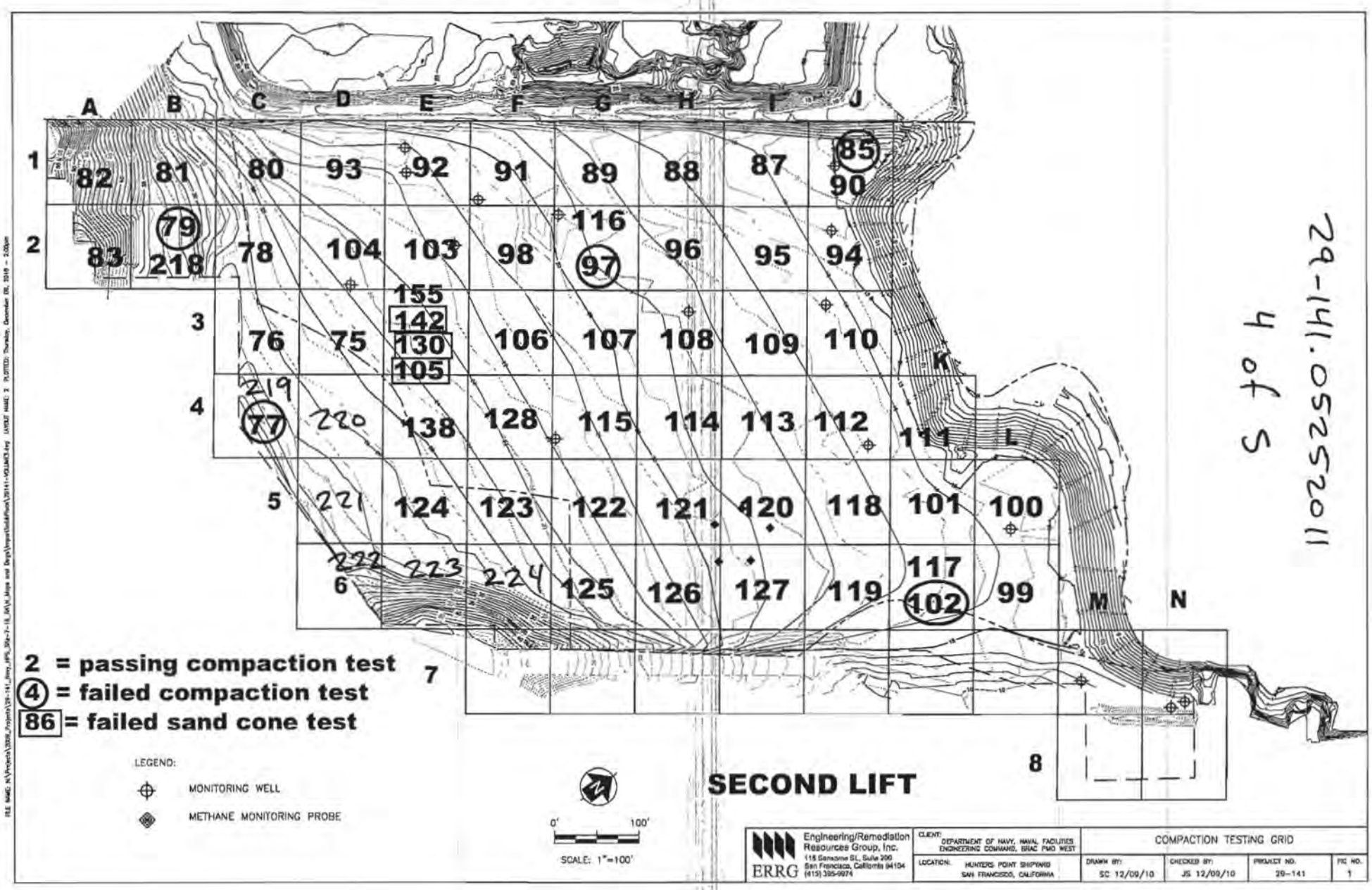
Date/Time	Job No.	Project/Location	Source Material	Gauge No. MC3 / Density Std.
5/25/11	29-141	HPS- 1R-07+18	Am-241 / Cs-137	25020
Inspector	**Project Engineer**	**Other**		**Moisture Std**
R. LOZA	E. BINNING			16021
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Equipment in Use**
BS-DIA-17	106.5		18.0	smooth drum roller
Specified % Compaction	**Specified % Water**		**Lab Test Method**	**Field Test Method**
90%	+/-3% ~~18.0~~ EB		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	**Retest**	**Test Depth**	**Total Density**	**Total Water**	**Dry Density**	**% Water**	**%Proctor (% compact)**	**Location**	**Elevation**
225	X	6"	101.2	18.5	82.7	22.4	77%	A-1	third lift -0.5'
226	*		96.5	14.8	81.7	18.0	77%	A-2	-0.5'
227	*		102.8	10.3	92.5	11.1	86%	B-1	-0.5'
228			115.7	19.4	96.3	20.6	90%	B-2	-0.5'
229			124.0	18.5	105.6	17.5	99%	C-3	-0.5'
230			111.3	14.9	96.4	15.8	90%	C-4	-0.5'
231			119.7	17.6	97.1	18.3	91%	D-4	-0.5'
232		V	116.8	16.1	99.7	17.0	93%	D-5	-0.5'
233			115.3	19.0	96.3	20.7	90%	E-6	-0.5'
234			112.7	15.6	97.1	16.7	91%	D-6	-0.5'
235			125.0	21.5	103.5	20.7	97%	F-6	-0.5'
		Average							

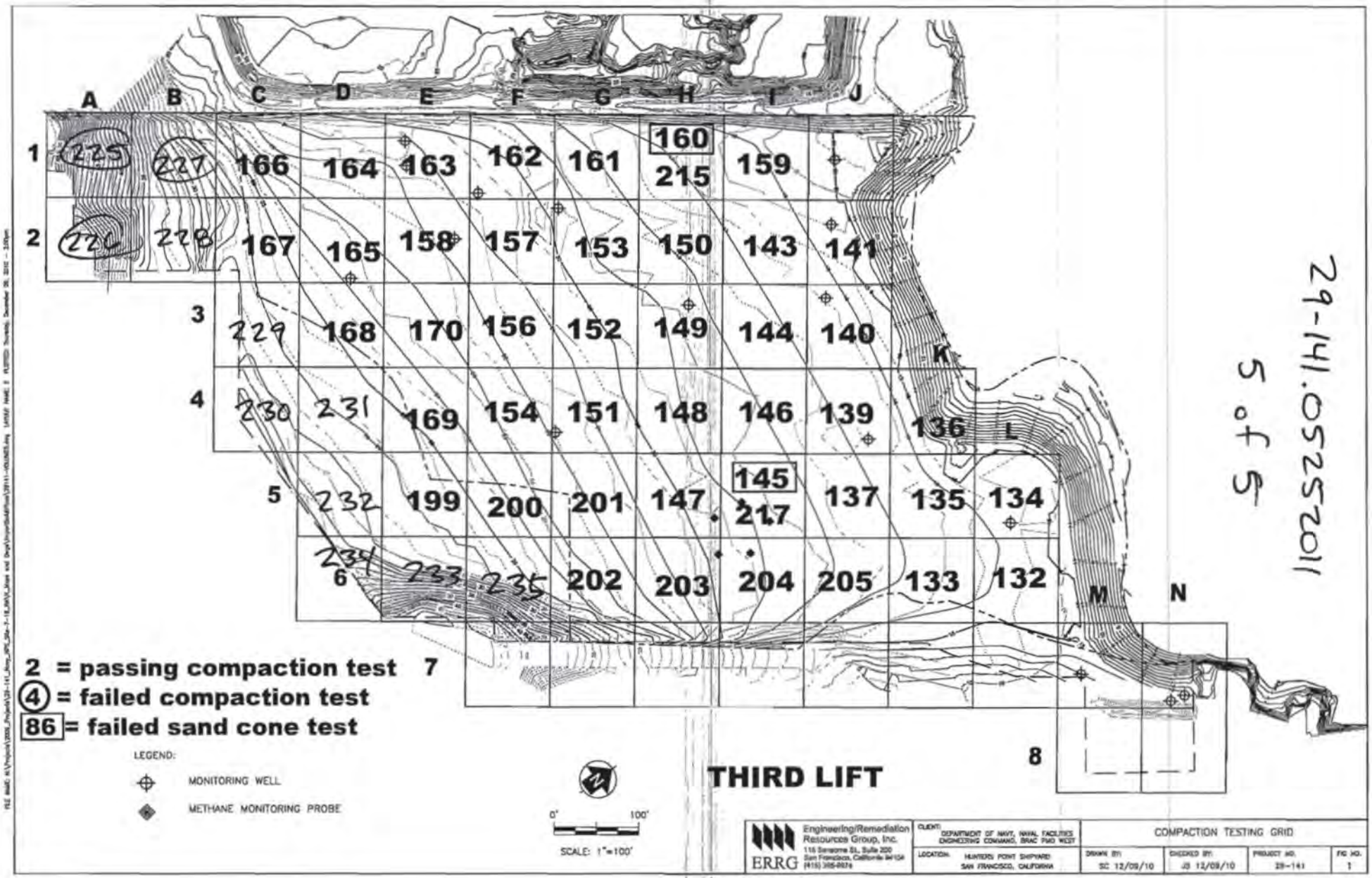
Remarks:

Inspector:

Reviewed:



Engineering/Remediation Resources Group, Inc. ERRG 115 Sansome St., Suite 300 San Francisco, California 94104 (415) 395-9974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1



29-141.052511

5 of 5

Moisture Content and Sand Cone Samples

Prepared by: R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 5/25/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-22	220	D4	-1.0'	22.0	7160	2208
HPS-MC-23	224	E6	-1.0'	19.4	7118	1708

Photo 1: Cover Installation – Placement of additional lifts of cover soil near the transition between the 2-foot and 3-foot cover areas on the southwestern portion of the site.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 25, 2011

Photo 2: Cover Installation – Placed and compacted first lift of cover soil above the demarcation layer along the Donahue Street boundary.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 25, 2011

Photo 3: Cover Installation – Extension of the monitoring wells. The demarcation fabric was peeled back to expose the existing well. Additional fabric was used to restore the demarcation layer during backfill operations.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 25, 2011

Photo 4: Cover Installation – Completed well extension. Placement of concrete pad and protective cover to occur after final grade is met.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 25, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 26/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 138

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear / Windy	Clear / Windy	63	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 small barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	9
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	H&S Manager	8
	Extending monitoring wells.	ERRG	1	QC Staff	9
		ERRG	5	Truck Drivers	32
		ERRG	5	Equipment Operators	32
		ERRG	2	Laborers	13
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	8
		Espinosa	1	Land Survey	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	152
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	19277
TOTAL WORK HOURS FROM START OF CONSTRUCTION	19429

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/26/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 26/MAY/11	REPORT NO: 138 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Clear / Windy	PM WEATHER: Clear / Windy	MAX TEMP (F): 63	MIN TEMP (F): 53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	ERRG	2k Water Truck	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/26/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/26/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD + COMPACT FILL, UNCOVER & EXTEND WELLS, BRUSH REMOVAL, MOVE AIR MONITOR, SLOPE WORK

SAFETY TOPICS PRESENTED

SAFETY TOPICS TRAFFIC - WATCHES of DRIVERS, BUGS

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Joshua Pell	ERRG	[signature]
Larry Stack	ERRG	[signature]
Larry Johnson	ERRG	Larry Johnson
Ken Mark	ERRG	[signature]
Sergio Dorlero	ERRG	[signature]
Guadalupe Trujillo	ERRG	[signature]
Rafael Loza	ERRG	Rafael Loza
Jose Mejorada	ERRG	Jose G Mejorada
Vicente Valencia	ERRG	Vicente Valencia
David Hasal	ERRG	David Hasal
Williams Lelei	ERRG	[signature]
Elizabeth Creek	ERRG	[signature]
Oscar Orozco	ERRG	[signature]
Liz Binning	ERRG	[signature]
[illegible]	ERRG	[signature]
MELANIE KAO	NAVY	[signature]
Deb Therony	Navy	[signature]

Health & Safety Officer DICK ERD **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 5/26/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE – PEOPLE WALKING + MOVING WORK LOCATIONS, CUTTING WOODS + BRUSH - WATCH FOR BUGS, ANIMALS & LOADS.

HAULING, SPREADING + COMPACTING FILL - CONCENTRATING ON SLOPES

CUTTING BRUSH AROUND PERIMETER

RELOCATED UPWIND DUST MONITOR LOCATION.

EQUIPMENT IN USE – 3 OFF ROAD DUMP TRUCKS, ONE LOADER, 2-BULLDOZERS ROLLER COMPACTOR, SKIP LOADER, 2 WEED WACKERS

Signed: [signature]

Date: 5/26/11

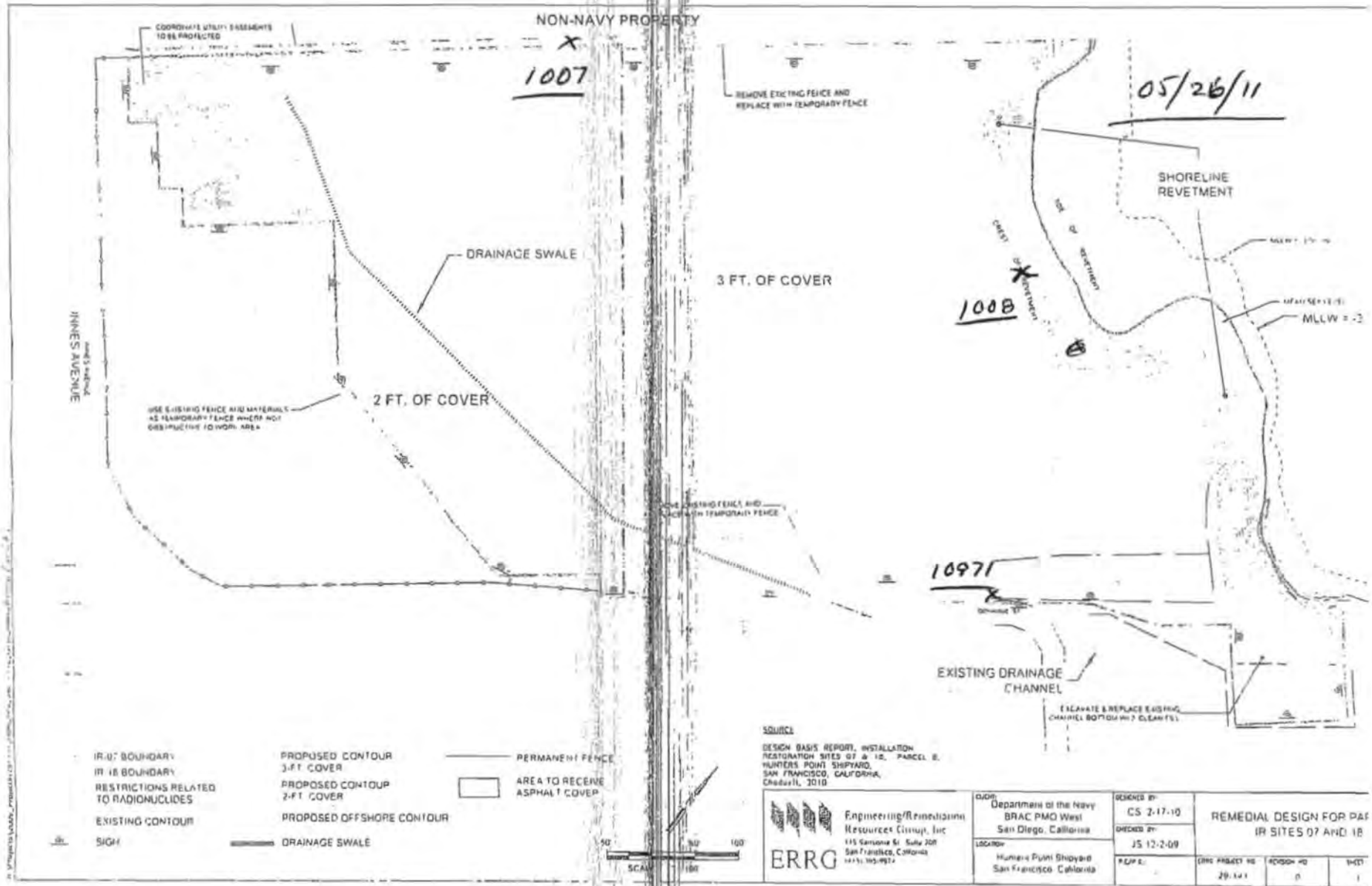
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK ETOP
Project Name: PARCEL B REMEDIATION
Site Location: IR-07 #18
Calibration (Date and Time): 5/26/11 @ 0738

Client: US NAVY
Project No.: 29-171
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument conc. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10971	5/26/11	0742	0.013	0.013	
1008		0745	0.016	0.015	
1007		0751	0.018	0.017	
10971		0840	0.001	0.016	
1008		0843	0.011	0.017	
1007		0849	0.008	0.015	
10971		0954	0.002	0.009	
1008		0957	0.001	0.012	
1007		1005	0.005	0.007	
10971		1050	0.000	0.007	
1008		1053	0.000	0.009	
1007		1058	0.000	0.005	
1008		1252	0.000	0.003	
1007		1300	0.000	0.002	
10971		1330	0.000	0.005	
1007		1450	0.000	0.00	
1008		1455	0.375	0.005	I KICKED UP FILL BY ACCIDENT.
10971		1500	0.000	0.003	


NON-NAVY PROPERTY
1007
1008
1097
05/26/11
DRAINAGE SWALE
2 FT. OF COVER
3 FT. OF COVER
SHORELINE REVETMENT
EXISTING DRAINAGE CHANNEL
INNES AVENUE
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL E, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Cleanest, 2010
ERRG
Engineering/Remediation Resources Group, Inc
Department of the Navy
BRAC PMO West
San Diego, California
Hunters Point Shipyard
San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PAR
IR SITES 07 AND 18

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 26/MAY/11

REPORT NO 138

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued placing additional lifts on the southeast slope. Verified that activities performed
	conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Sand cone test of 3rd lift in I5 meets compaction.
06	Sand cone test of 3rd lift in H1 meets compaction

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
06	Received sand cone (performed on 5/24) results back from the lab that indicated that sand cone performed in E3 and H1 meets
	compaction requirements.

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/26/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/26/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/26/2011

Photo 1: Cover Installation – Placement of additional soil lifts on the southeast slope.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 26, 2011

Photo 2: Cover Installation – Placement of additional soil lifts on the southeast slope.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: May 26, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 27/MAY/11	REPORT NO: 139
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy / Windy	PM WEATHER: Partly cloudy / Windy	MAX TEMP (F): 61	MIN TEMP (F): 50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	9
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	H&S Manager	8
		ERRG	1	QC Staff	9
		ERRG	5	Truck Drivers	32
		ERRG	5	Equipment Operators	32
		ERRG	2	Laborers	13
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	8
		Espinosa	1	Land Survey	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	152
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	19429
TOTAL WORK HOURS FROM START OF CONSTRUCTION	19581

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck with flotation tires - 1ea	0
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	CAT 35 ton articulated offroad dump truck	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	Hertz	2K Water Truck with flotation tires - 1ea	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/27/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 27/MAY/11	REPORT NO: 139 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Partly cloudy / Windy	PM WEATHER: Partly cloudy / Windy	MAX TEMP (F): 61	MIN TEMP (F): 50

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	D6 LGP Dozer - 1 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	8
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	Case 30 ton articulated offroad dump truck	8
	ERRG	2k Water Truck	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/27/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/27/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD + COMPACT FILL, CLEAR BRUSH, WELL EXTENSIONS

SAFETY TOPICS PRESENTED

SAFETY TOPICS HOLIDAY SAFETY

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
DAVID HASAL	ERRG	David Hasal
Joshua Pell	ERRG	[illegible]
Larry Johnson	ERRG	Larry Johnson
Sergio Aguilar	ERRG	Sergio Aguilar
Guadalupe Trujillo	ERRG	Guadalupe Trujillo
[illegible]	ERRG	[illegible]
Rafael Loza	ERRG	Rafael Loza
Jose Mejia	ERRG	Jose G Mejia
Ken Mark	ERRG	K Mark
[illegible]	ERRG	[illegible]
Elizabeth Creek	ERRG	[illegible]
Mike Bayst	ERRG	[illegible]
SAM ESPINOSA	ESP	[illegible]
Juan Lavalle	ESP	[illegible]
JOHN SOURIAL	ERRG	[illegible]
Liz Binning	ERRG	[illegible]

Health & Safety Officer DICK EPP

SIGNATURE [signature]

SUPERINTENDENT King Bailey

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Client: Dept of the Navy
Day: FRIDAY
Date: 5/27/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: OVERCAST
Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

0700 SAFETY TAILGATE — HALLIDAY SAFETY, SUNBURN

HAULING, SPREADING & COMPACTING FILL.

WOOD WORKING FORMATION

SURVEYORS ON SITE

EQUIPMENT IN USE: 3 OFF ROAD DUMP TRUCKS, END LOADER, SKIPLOADER, WATER TRUCK, 2 BULLDOZERS, ROLLER COMPACTOR

Signed: Date:

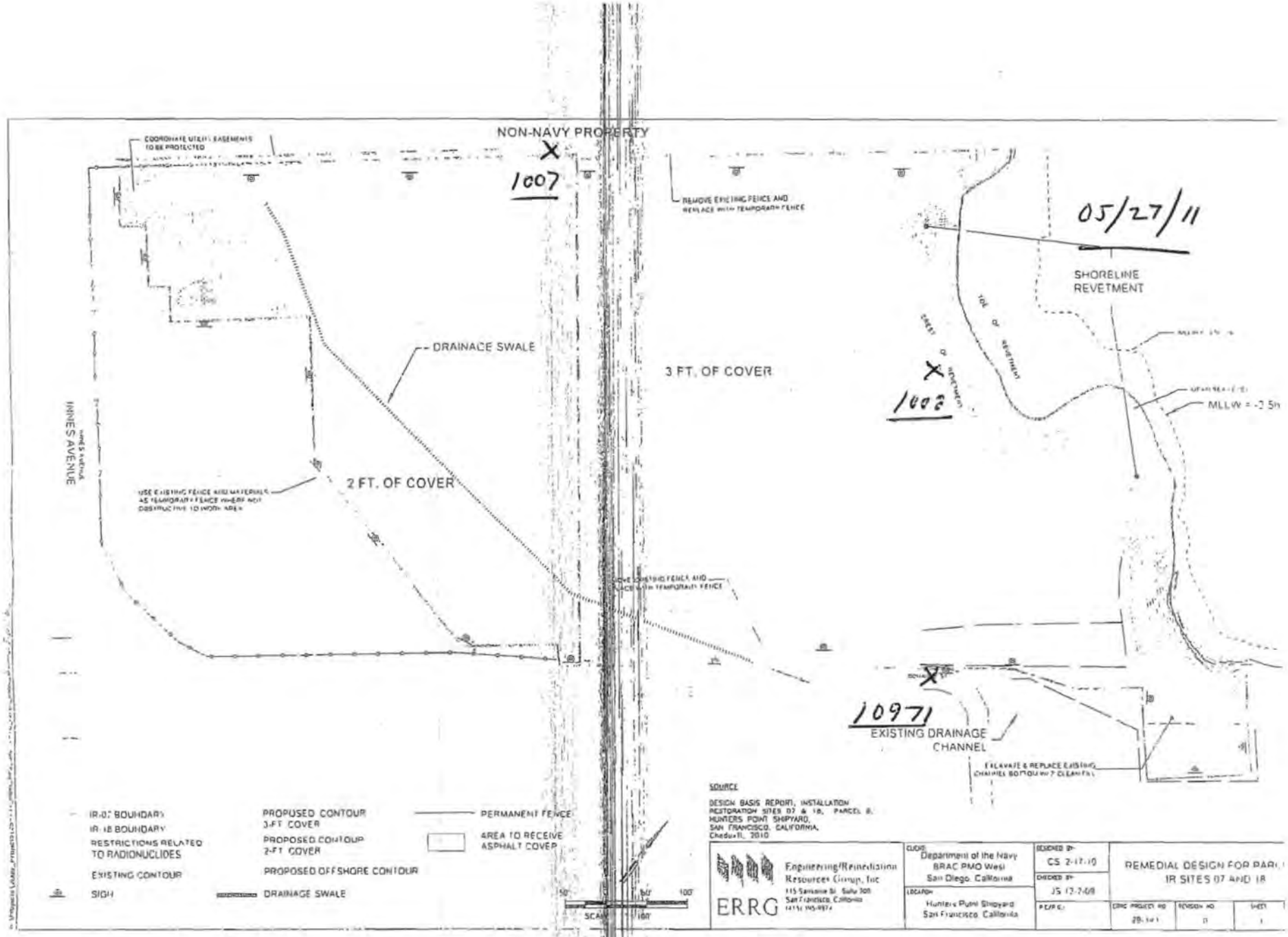
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK EPP
Project Name: RESTORATION PARCEL B
Site Location: IR-07#18
Calibration (Date and Time): 5/26/11 @ 0730

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BOS

Location	Date	Time	Instrument CONC. ~~PID~~	Instrument ~~DataRAM~~ TWA	Comments
10971	5/27/11	0735	0.021	0.024	
1008		0740	0.027	0.026	
1007		0745	0.046	0.049	
10971		0847	0.014	0.019	
1008		0810	0.021	0.023	
1007		0855	0.044	0.051	
10971		0959	0.002	0.013	
1008		1003	0.007	0.018	
1007		1010	0.028	0.047	
10971		1111	0.000	0.007	
1008		1115	0.000	0.012	
1007		1120	0.021	0.040	
1008		1325	0.014	0.013	
1007		1330	0.022	0.036	
10971		1336	0.020	0.008	
1007		1505	0.022	0.033	
1008		1509	0.141	0.014	
10971		1515	—	—	DOAD


NON-NAVY PROPERTY
1007
05/27/11
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
1008
MLLW = -2.5ft
INNES AVENUE
2 FT. OF COVER
10971
EXISTING DRAINAGE CHANNEL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chedux11, 2010
ERRG
Engineering/Remediation Resources Group, Inc
Department of the Navy
BRAC PMO West
San Diego, California
Hunters Point Shipyard
San Francisco, California
CS 2-17-10
JS 12-7-09
REMEDIAL DESIGN FOR PARCEL IR SITES 07 AND 18

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 2K Water Truck **Identification Number:** _____

Project Number / Name: 29-141 **Rental** ☐ **ERRG** ☑

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	KM 5/23/11 mac			KM 5/24/11 mac			KM 5/25/11 mac			KM 5/26/11 mac			KM 5/27/11 mac			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D-6R Dozer **Identification Number:** MS8X63

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-23-11			5-24-11			5-25-11			5-26-11			5-27-11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 2K WATER TRUCK HORT **Identification Number:** CA 4C 548734

Project Number / Name: HPNS **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	FL 5-23-11			FL 5-24-11			KM 5/25/11			KM THU 5/26						
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	SMALL DAMAGE ON DRIVER SIDE
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	ABS LIGHT ON

R SMALL CRACK ON HOOD AND BOTH DOORS DAMAGED

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CASE **Identification Number:** YT3M69

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5/23/11			5/24/11			5/25/11			5/26/11			5/27/11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	Wipers Broken
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Roller **Identification Number:** PTYC85

Project Number / Name: Hunter pivot **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	wpa															Defect(s):
	Heavy Equipment Defects															
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD CASE **Identification Number:** D43442

Project Number / Name: _____ **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☒	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: LEFT SIDE MIRROR LOOSE, TIRES & EMAIL CHIP LEFT WINDSHIELD

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

7:40

Equipment Type: VOLVO OFF ROAD DUMP **Identification Number:** DA3137 3

Project Number / Name: HP NAVY **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-23-11 NAOM			5-24-11 TVE			5-25-11 WD			5-26-11 TAM			5-27-11 FRT			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	DOOR GLASS CRAKED
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	RIGHT LIGHT OUT LOW BEAM ONLY
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	

Explain corrective actions taken: (36)7 (34) (44)376 (36) (34)

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D6 Dozer LGP **Identification Number:** 3MA35162

Project Number / Name: 0141 **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-23-11 ZBV			5-24-11 ZBV			5-25-11 ZBV			5-26-11 ZBV			5-27-11 DH			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: SKIDSTEER SKIP LOADER **Identification Number:** WD4 M77

Project Number / Name: HP HWY **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:																Defect(s):
	Heavy Equipment Defects															
	5-23-11			5-24-11 JM			5-25-11 JM			5-26-11 JM			5-27-11 JM			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☑	☐	☐	☑	☑	☐	☑	☐	☐	☑	
Gauges operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Horn operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken:

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Cat 972 Loader **Identification Number:** CKQV38

Project Number / Name: HPWSY 29141 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	JMcLT Monday 5-22-11			JMcLT Tuesday 5-23-11			ESP Wednesday 5-24-11			JP Thursday 5-25-11			JP Friday 5-26-11			Defect(s):
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 27/MAY/11

REPORT NO 139

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued placing additional lifts on the southeast slope. Continued placing additional lifts
	on the southwest slope. Continued placing additional lifts along the shoreline. Verified that activities performed conformed to the cover
	installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/27/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/27/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements will be retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/27/2011

Photo 1: Cover Installation – Placement of additional soil lifts on the southwest slope.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 27, 2011

Photo 2: Cover Installation – Placement of additional soil lifts on the southeast slope.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 27, 2011

Photo 3: Cover Installation – Placement of additional soil lifts along the eastern portion of the shoreline.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 27, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 31/MAY/11	REPORT NO: 140
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Mostly cloudy / Light rain	PM WEATHER: Mostly cloudy / Windy	MAX TEMP (F): 58	MIN TEMP (F): 54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. No barges.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	8
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	SSHO	8
	Extending monitoring wells.	ERRG	1	QC Staff	8
		ERRG	3	Truck Drivers	12
		ERRG	4	Equipment Operators	32
		ERRG	3	Laborers	12
		Jerico	4	Marine Subcontractor	0
		ERRG	1	Project Manager	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	73
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	19581
TOTAL WORK HOURS FROM START OF CONSTRUCTION	19654

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2K water truck - 1 ea	4
	Harris Blade	D6R Bulldozer - 1 ea	4
	Harris Blade	D6 LGP Dozer - 1 ea	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1 ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	4
	United Rentals	JD 210 Skip Loader	2

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/31/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 31/MAY/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 140 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Mostly cloudy / Light rain	Mostly cloudy / Windy	58	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	Case 30 ton articulated offroad dump truck - 2 ea	4
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	Harris Blade	Volvo 35 ton articulated offroad dump truck - 1 ea	4

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

5/31/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 5/31/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD + COMPACT FILL

SAFETY TOPICS PRESENTED

SAFETY TOPICS SPEED, TRAFFIC, AHA REVIEW

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente Valencia	ERRG	Vicente Valencia
Larry Johnson	ERRG	Larry Johnson
Rob Aguilera	ERRG	Rob Aguilera
Guadalupe Trujillo	ERRG	Guadalupe Trujillo 5/31/11
Rafael Loza	ERRG	Rafael Loza
William Lilei	ERRG	
Elizabeth Creek	ERRG	
Big Brain	ERRG	
DAVID HASAL	ERRG	David Hasal

Health & Safety Officer DICK OMP **SUPERINTENDENT** Kirby Bailey

SIGNATURE **SIGNATURE**

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18

Hauling & Placing File
WELL EXTENSIONS

AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	King Bailey		5-31-11 7:00 AM
Site Safety Officer:	DICK LOPP		5/31/11 @0700
Employee(s):	VICENTE VALENCIA		5/31/11 7:00 AM
	Larry Johnson		5-31-11 7:00 "
	Rafael Loza		5-31-11 7:00
	Guadalupe Trujillo		5-31-11 7:00
	Roberto Aguilera		5-31-11 7:00
	William Lelei		5-31-11 7:00
	Elizabeth Creek		5/31/11 0700
	Liz Binning		5/31/11 0700
	DAVID HASAL		5/31/11 9:30

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: TUESDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOUDY – RAIN
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 5/31/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE – PROCEDURES, SPEED, AHA REVIEW

HAULING, SPREADING & COMPACTING FILL

GRADING FILL

UNCOVERING, EXTENDING & COMPACTING FILL AROUND WELLS

EQUIPMENT IN USE: 2 OFF-ROAD DUMP TRUCKS, END LOADER, ROLLER COMPACTOR, 2 BULL DOZERS, SKIP LOADER, WACKER COMPACTOR, WATER TRUCK.

Signed: [signature]

Date: 5/31/11

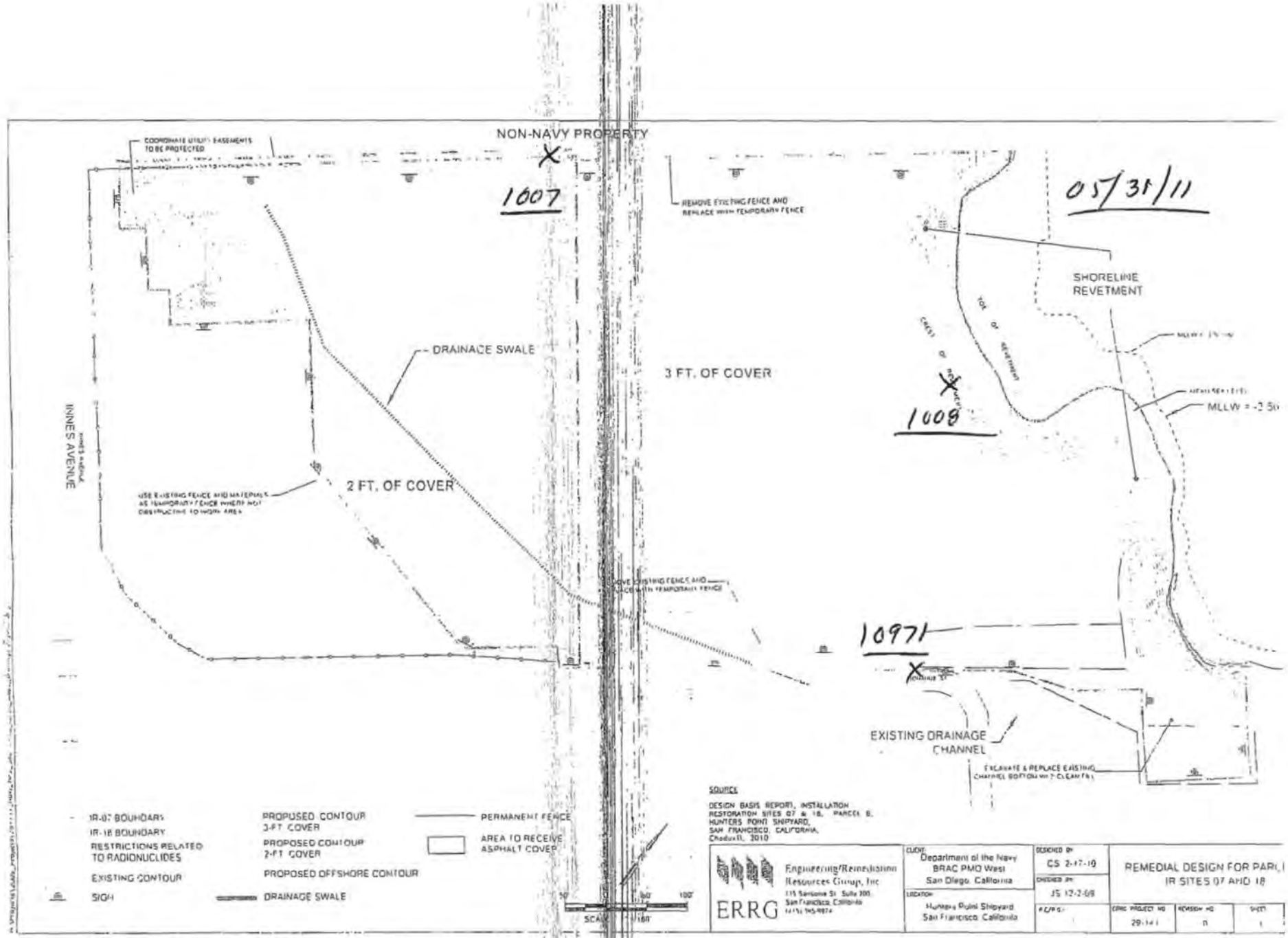
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK ODP
Project Name: PARCEL B REMEDIATION
Site Location: IR-07+18
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10971	5/31/11	0730	0.024	0.030	
1008		0735	0.020	0.019	
1007		0739	0.029	0.029	
10971		0833	0.000	0.009	
1008		0836	—	—	RAIN SHUT DOWN
1007		0840	0.059	0.039	MANUAL SHUT DOWN - RAIN
10971		0843	—	—	MANUAL SHUT DOWN - RAIN


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
05/31/11
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
1008
MLLW = -2.50
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
10971
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadux II, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St. Suite 700
San Francisco, California
CLIENT
Department of the Navy
BRAC PMO West
San Diego, California
LOCATION
Hunters Point Shipyard
San Francisco, California
DESIGNED BY
CS 2-17-10
CHECKED BY
JS 12-2-09
REMEDIAL DESIGN FOR PARCEL
IR SITES 07 AND 18
ERRG PROJECT NO
29-141
REVISION NO
0
SHEET
1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 31/MAY/11

REPORT NO 140

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued hauling soil from the stockpile near Dry Dock 3 to IR-07 & -18 using offroad dump trucks. Continued placing additional lifts in the
	center of the site. Continued backfilling and compacting around the monitoring well extensions. Verified that activities performed
	conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

05/31/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 05/31/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	**Follow up**	**X**			
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 05/31/2011

Photo 1: Cover Installation – Placement of additional soil lifts on the center of IR-07.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 31, 2011

Photo 2: Cover Installation – Backfilling around well extensions.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: May 31, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 01/JUN/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	141

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Mostly cloudy / Windy	Mostly cloudy / Light rain / Windy	62	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.				
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	8
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	SSHO	8
		ERRG	1	QC Staff	8
		ERRG	3	Truck Drivers	24
		ERRG	5	Equipment Operators	40
		ERRG	0	Laborers	0
		Jerico	4	Marine Subcontractor	40
		ERRG	1	Project Manager	6

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	127
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	19654
TOTAL WORK HOURS FROM START OF CONSTRUCTION	19781

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2K water truck - 1 ea	8
	Harris Blade	D6R Bulldozer - 1 ea	8
	Harris Blade	D6 LGP Dozer - 1 ea	8
	United Rentals	25 KW Generators - 2 ea	48
	ERRG	25KW Generator - 1 ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	972 Loader	8
	United Rentals	JD 210 Skip Loader	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/1/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 01/JUN/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 141 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Mostly cloudy / Windy	Mostly cloudy / Light rain / Windy	62	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	Case 30 ton articulated offroad dump truck - 2 ea	14
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	Harris Blade	Volvo 35 ton articulated offroad dump truck	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/1/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/1/11 **TIME** 0900 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD + COMPACT FILL.

SAFETY TOPICS PRESENTED

SAFETY TOPICS SPEED, PEOPLE ON GROUND.

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
VICENTE VARGAS	ERRG	
Sergio Gutierrez	ERRG	
Guadalupe Trujillo	ERRG	
Roberto Alvarez	ERRG	
Rafael Loza	ERRG	
Elizabeth Creek	ERRG	
Liz Binning	ERRG	
DAVID HASAK	ERRG	
Larry Johnson	ERRG	
Villicuna Perez	ERRG	
JOHN SOURIAL	ERRG	

Health & Safety Officer DICK CAMP

SIGNATURE

SUPERINTENDENT Kirk Bailey

SIGNATURE

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: WEDNESDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: RAIN AM - CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 6/1/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0900 SAFETY TAILGATE - TRAFFIC, PEOPLE ON THE GROUND, WET SURFACES, POSSIBLE LIGHTNING - STAY IN THE VEHICLE, EQUIPMENT

HAULING, SPREADING & COMPACTING FILL.

WORK DAY COMPLETED @ 1730.

DUST MONITORS (PORTABLE) NOT DEPLOYED BECAUSE OF RAIN & WET GROUND & FILL.

EQUIPMENT IN USE - 3 OFFROAD DUMP TRUCKS, LOADER, WATER TRUCK, 2 BULLDOZERS, ROLLER COMPACTOR.

Signed: [signature] Date: 6/1/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 01/JUN/11

REPORT NO 141

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks. Continued placing additional lifts in the center of the site. Continued placing lifts along the
	western portion of the shoreline. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/01/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/01/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	**Follow up**	**X**			
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/01/2011

Photo 1: Cover Installation – Spreading out additional 8" loose lifts near the IR-07 site entrance.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 1, 2011

Photo 2: Cover Installation – Spreading soil along the eastern corner of the revetment.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 1, 2011

Photo 3: Cover Installation – Grading and compacting along the Donahue Street slope.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 1, 2011

Photo 4: Cover Installation – Compacting additional soil lifts in the northwest corner of the site.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 1, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 02/JUN/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	142

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Mostly cloudy	Mostly cloudy / Windy	63	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. No barge today.	ERRG	1	Project Manager	4
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	8
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	SSHO	8
		ERRG	1	QC Staff	8
		ERRG	3	Truck Drivers	14
		ERRG	5	Equipment Operators	40
		ERRG	3	Laborers	10
		Jerico	0	Marine Subcontractor	0
		18 Trucking	2	Truck Drivers	10

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	95
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	19781
TOTAL WORK HOURS FROM START OF CONSTRUCTION	19876

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2K water truck - 1 ea	8
	Harris Blade	D6R Bulldozer - 1 ea	8
	Harris Blade	D6 LGP Dozer - 1 ea	8
	United Rentals	25 KW Generators - 2 ea	48
	ERRG	25 KW Generator - 1 ea	12
	SCS Tracer	Air Monitoring skids - 2 ea	48
	Harris Blade	972 Loader	5
	United Rentals	JD 210 Skip Loader	1

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/2/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 02/JUN/11	REPORT NO: 142 cont.
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Mostly cloudy	PM WEATHER: Mostly cloudy / Windy	MAX TEMP (F): 63	MIN TEMP (F): 53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	Case 30 ton articulated offroad dump truck - 2 ea	5
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	harris Blade	Volvo 35 ton articulated offroad dump truck	5

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/2/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/2/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD & COMPACT FILL, UNCOVER, EXTEND & BACKFILL WELLS

SAFETY TOPICS PRESENTED

SAFETY TOPICS NEW TRUCKERS IN THE MIX, REVIEW AHAs

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
VICENTE VALENCIA	ERRG	Vicente Valencia
Larry Johnson	ERRG	Larry Johnson
Roberto Aguilera	ERRG	Roberto Aguilera
Guadalupe Trujillo	ERRG	Guadalupe Trujillo
Sergio Hernandez	ERRG	
William Cecil	ERRG	
DAVID HASAL	ERRG	
Rafael Loza	ERRG	
Elizabeth Creek	ERRG	
HARINDER	J-U CARRIER	
KARMJIT SINGH	KS Trucking	
Liz Bunning	ERRG	
JOHN SOURIAL	ERRG	

Health & Safety Officer DICK CPP **SIGNATURE**

SUPERINTENDENT Craig Bailey **SIGNATURE**

HAULING, SPREADING & COMPACTING FILL WALLS - UNCOVERING, EXTENDING, COMPACTING

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	King Bailey		6-2-11 07:00
Site Safety Officer:	DICK OPP		6/2/11 @0700
Employee(s):	VICENTE VALENCIA	Vicente Valencia	6/2/11 07:00
	Larry Johnson	Larry Johnson	6-2-11 "
	Roberto Aguilera	~~Guadalupe Trujillo~~ Roberto Aguilera	6-2-11 7:00
	Guadalupe trujillo	Guadalupe trujillo	6-2-11 7:00
	DAVID HASAL	David Hasal	6-2-11 700
	Sergio Aguilera	Sergio Aguilera	6/2/11 7:00
	Rafael Loza	Rafael Loza	6-2-11 7:00
	William Lelei		6-2-11 700
	Elizabeth Creek		6/2/11 0700
	KARMJIT SINGH		6-2-11 7.00
	Liz Binning		6/2/11 0700
	JOHN SOUSA		6/2/11 0800

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: OVERCAST - MISTING
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 6/2/11
Project No.: 29-141
Page: _____ of _____

Description of Field Activities:

0700 SAFETY TAILGATE - NEW TRUCKS (BELLY DUMPS) IN THE MIX, REVIEW AHAs

HAUL, SPREAD & COMPACT FILL

UNCOVERING & EXTENDING WELLS

WORK DAY COMPLETED @ 1530.

EQUIPMENT IN USE - 2 OFFROAD DUMP TRUCKS, 2 BELLY DUMP TRUCKS, END LOADER, 2 BULL DOZERS, ROLLER COMPACTOR

Signed: _____ Date: 6/2/11

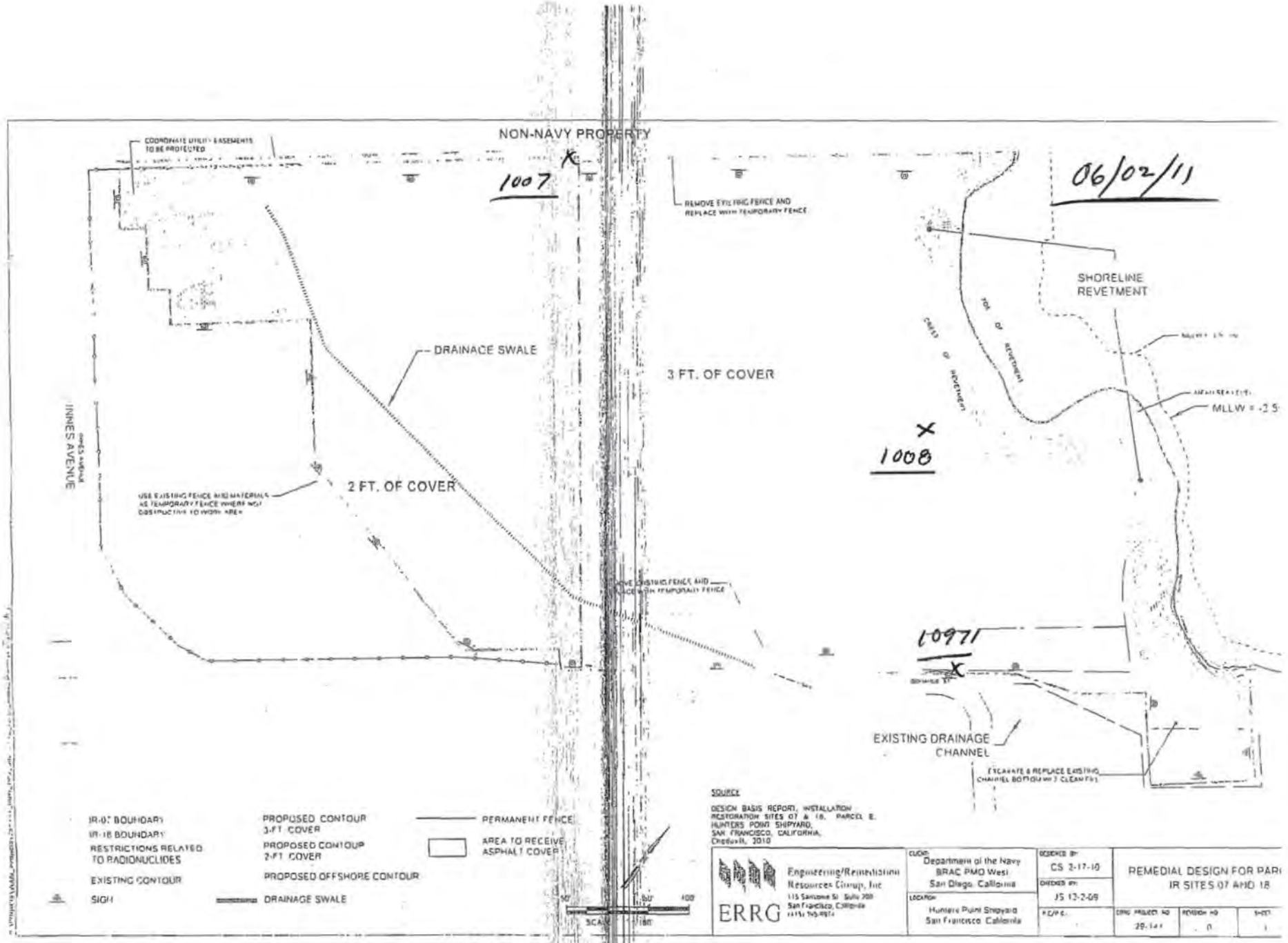
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK OPP
Project Name: REMEDIATION IR-07#18, PARCEL B
Site Location: HPS
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10971	6/2/11	0732	0.023	0.023	
1008		0736	0.014	0.015	
1007		0742	0.035	0.036	
10971		0825	0.019	0.020	
1008		0828	0.017	0.018	
1007		0833	0.037	0.035	
10971		1006	0.022	0.020	
1008		1008	0.018	0.017	
1007		1011	0.034	0.035	
10971		1114	0.005	0.019	
1008		1137	0.008	0.014	
1007		1141	0.027	0.035	
1008		1245	0.011	0.012	
1007		1249	0.015	0.033	
10971		1255	0.018	0.015	
10971		1345	0.016	0.015	
1008		1353	0.006	0.011	
1007		1357	0.018	0.030	
1007		1458	0.054	0.028	
1008		1505	0.045	0.013	
10971		1510	—	—	DEAD


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
06/02/11
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -2.5
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
1008
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
1097
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 3 CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE
50' 0' 50' 100'
100'
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL E, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Dredgers, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St Suite 700
San Francisco, California
(415) 765-6174
CLIENT
Department of the Navy
BRAC PMO West
San Diego, California
LOCATION
Hunters Point Shipyard
San Francisco, California
DESIGNED BY
CS 3-17-10
CHECKED BY
JS 12-2-09
P.E./P.G.
REMEDIAL DESIGN FOR PARI
IR SITES 07 AND 18
ERRG PROJECT NO
29-141
REVISION NO
0
SHEET
1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 02/JUN/11

REPORT NO 142

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ■ NO ☐

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
07	Final Grading and Seeding	

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued hauling soil from the stockpile near Dry Dock 3 to IR-07 & -18 using offroad dump trucks and belly dump trucks. Continued placing
	additional lifts in the center of the site. Continued placing lifts along the eastern portion of the shoreline. Continued placing lifts along the toe
	of the southeastern slope. Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/02/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

PREPARATORY PHASE CHECKLIST

(CONTINUED ON S COND PAGE)

SPEC SECTION	DATE
03 30 00, 31 00 00, 33 24 13, 32 31 26, 32 92 19, 10 14 01	02/JUN/11

CONTRACT NO	DEFINABLE FEAT˜ˆ E OF ˛ ORK	SCHEDULE ACT NO.	INDEX #
N62473-09-D-2608	Final Grading and Seeding	07	

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED ((48 HOURS IN ADVANCE: * ES ■ NO □

NAME	POSITION	COMPANY/GOVERNMENT
Elizabeth Binning	Quality Control Manager	ERRG
John Sourial	Project Manager	ERRG
Richard Epp	SSHO	ERRG
King Bailey	Site Superintendent	ERRG
Andrew Uehisa	ROICC	Navy, ROICC SF Bay
Peter Stroganoff	ROICC	Navy, ROICC SF Bay

SUBMITTALS

REVIE˛ SUBMITTA˝S AND/OR SU˙' ITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? * ES □ NO ■

IF NO, ˛ HAT IT MS HAVE NOT BEEN SUBMITTED? The following submittals still need approval: Design Data: Concrete Mix Design, Certificates: Cement, Aggregate, Admixtures, Product Data: CTRM. The following submittals still need to be submitted: Product Data: Seed Mixes, Fertilizer, and Straw Mulch; Preconstruction Submittal: Veg Establishment Plan; Test Reports: Soil Composition Tests; Certificates: State Certification and Approval for Seed; and Manufacturer's Catalog Data: Fencing Components and Accessories.

Aˆ A˝˝ MAT RIALS ON HAND? * ES □ NO ■

IF NO, ˛ HAT IT MS ARE MISSING? CTRM will start being delivered today, concrete for the monitoring well extensions will be delivered after final grading is complete, all other materials will be provided by subcontractors and will arrive onsite with the subs.

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MAT ˆ IAL ARRIVES.)

COMMENTS: CTRM will be stored onsite in containers until installation, concrete tickets for monitoring well will be checked to ensure that the concrete is the correct mix and that it is being placed within the time limit stated in the specifications.

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? * ES ■ NO □

IF NO, ˛ HAT ACTION IS TA° N?

SPECIFICATIONS

REVIE˛ EACH PARAGRAPH OF SPECIFICATIONS. See checklist attached to preparatory meeting agenda for list of field requirements associated with this DFOW.

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WOˆ ° ˜ Final grades will be checked to ensure that the required cover thicknesses are met across the site. After final cover grade is established, monitoring well pads will be poured in accordance with the design drawings. After final grade is established, the site will be scarified. Seeding will occur after scarification and CTRM will be installed in general accordance with the plans. Permanent fencing will be installed along the property boundaries. The asphalt bump out will be paved along with minor patches along Donahue St. A asphalt curb will also be installed along Donahue to prevent soil erosion onto the street. Permanent signs will be installed during demob.

CLARIFY ANY DIFFERENCES. Final grades will be modified from the design drawings to ensure cover thickness.

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY ˛ ORK IS CORRECT AND PERMITS Aˆ ON FILE.

IF NOT, ˛ HAT ACTION IS TA° N? Completion of the soil cover installation will occur prior to beginning this DFOW.

TESTING

IDENTIFY T ST TO BE PERFORMED, FREQUENCY, AND BY HOM. None.

HEN REQUIRED? NA.

H ^ E REQUIRED+ NA.

REVIE TESTING PLAN. NA.

HAS TEST FACILITI S BEEN APPROVED? NA.

SAFETY

ACTIVIT* HAZARD ANALYSIS APPROVED? * ES ■ NO ☐

REVIE APPLICA˙˝ E PORTION OF EM 385-1-1. See AHAs attached to preparatory meeting agenda for a list of hazards associated with this DFOW.

MEETING COMMENTS

NAVY/ROICC COMMENTS DURING MEETING.

- Check that the fencing products are made in America.

OTHER ITEMS OR REMARKS

OTHER ITEMS OR R ' ARKS:

- There are a couple of variances that will be submitted to the ROICC to clarify the work (ie, seeding methodology, final grade verification).

Elizabeth Binning — QC MANAGER

06/02/2011 — DATE

Cover Installation

Date: 06/02/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	**Follow up**	**X**			
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/02/2011

Photo 1: Cover Installation – Spreading out additional soil lifts near the toe of the southeastern slope.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 2, 2011

Photo 2: Cover Installation – Compacting additional soil lifts in the center of the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 2, 2011

Photo 3: Cover Installation – Grading along the edge of the soil cover at the interface with the revetment.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 2, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 03/JUN/11	REPORT NO: 143
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Overcast	PM WEATHER: Overcast	MAX TEMP (F): 60	MIN TEMP (F): 52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.	ERRG	1	Project Manager	4
	Using offroad dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	9
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	9
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	SSHO	8
		ERRG	1	QC Staff	4
		ERRG	3	Truck Drivers	24
		ERRG	5	Equipment Operators	40
		ERRG	2	Laborers	13
		Jerico	4	Marine Subcontractor	40
		18 Trucking	2	Truck Drivers	15

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	136
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	19876
TOTAL WORK HOURS FROM START OF CONSTRUCTION	20012

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker island aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2K water truck - 1 ea	8
	Harris Blade	D6R Bulldozer - 1 ea	8
	Harris Blade	D6 LGP Dozer - 1 ea	8
	United Rentals	25 KW Generators - 2 ea	48
	ERRG	25KW Generator - 1 ea	12
	SCS Tracer	Air Monitoring skids - 2 ea	48
	Harris Blade	972 Loader	8
	United Rentals	JD 210 Skip Loader	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/3/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	03/JUN/11		
CONTRACT NO	N62473-09-D-2608	TITLE AND LOCATION	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF
REPORT NO	143 cont.		
CONTRACTOR	Engineering/Remediation Resources Group, Inc.	SUPERINTENDENT	King Bailey
AM WEATHER	Overcast	PM WEATHER	Overcast
MAX TEMP (F)	60	MIN TEMP (F)	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	Case 30 ton articulated offroad dump truck - 2 ea	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8
	Harris Blade	Volvo 35 ton articulated offroad dump truck	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/3/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/3/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD & COMPACT FILL

SAFETY TOPICS PRESENTED

SAFETY TOPICS

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
DAVID HASAL	ERRG	David Hasal
Vilianu [illegible]	ERRG	[illegible]
Larry Johnson	ERRG	Larry Johnson
Sergio [illegible]	ERRG	[illegible]
Guadalupe [illegible]	ERRG	[illegible]
VICENTE VALENCIA	ERRG	Vicente Valencia
Roberto Aguilera	ERRG	[illegible]
Rafael Loza	ERRG	Rafael Loza
Elizabeth Creek	ERRG	[illegible]
KARMJIT SINGH	KS Trucking	[illegible]
MARWOOD [illegible]	J.V. CARMOR	[illegible]
Liz Binning	ERRG	[illegible]
JOHN SOURIAL	ERRG	[illegible]

Health & Safety Officer Dick Orr

SIGNATURE [signature]

SUPERINTENDENT King Bailey

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	FRIDAY	Date:	6/3/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	CLOUDY – RAIN EXPECTED	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE — WITH COVERING FILL PILE, IF WINDY, SECURE + HANDLE CAREFULLY. PLASTIC SHEETING MAY BE WET + SLIPPERY.

HAUL, SPREAD + COMPACT FILL.

COVER PILE AT BARGE UNLOADING AREA.

WORK DAY COMPLETED @ 1530.

EQUIPMENT IN USE – 2 OFFROAD DUMP TRUCKS, 2 BOTTLE DUMP TRUCKS, END LOADER, 2 BULLDOZERS, ROLLER COMPACTOR, WATER TRUCK.

Signed: [signature] Date: 6/3/11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: C.G.P-6 Dozer **Identification Number:** AD7N46

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects						S.A 6/1/11			S.A 6/2/11			S.A 6/3/11			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	
Tracks	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steps and handgrips	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	3/4
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☑	☐	☑	
Seat belt operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Gauges operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Horn operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☑	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: OFF ROAD TRUCK - VOLVO **Identification Number:** DA3B73

Project Number / Name: _____ **Rental** X **ERRG** | |

Inspected By (Initials) And Date:	WIL			Heavy Equipment Defects												Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	THERE
Gauges operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	
Steering and other controls	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: THERE CRACK ON LEFT SIDE ~~OF~~ DOOR WINDOW, RIGHT SIDE LIGHT NOT ~~WORKING~~

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: COMPACTOR ROLLER **Identification Number:** NM202303

Project Number / Name: _____ **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Seat belt operative?	☐	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☐	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Gauges operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Horn operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: ERRG WATER TRUCK **Identification Number:** CA 11599

Project Number / Name: SHIPYARD HUNTERS POINT 29-141- **Rental** ☐ **ERRG** ☑

Heavy Equipment Defects	Inspected By (Initials) And Date:			6-2-11			6-3-11									Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken:

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CAT 972 H* LOADER **Identification Number:** CX9V38

Project Number / Name: Roberto **Rental** X **ERRG** | |

Inspected By (Initials) And Date:	Roberto 5-31-11			6-1-11			6-2-11			6-3-11						Defect(s):
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Cracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken:

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: Case **Identification Number:** 330

Project Number / Name: HPS **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	5-31-11			6-1-11												Defect(s):
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: small crack on windshield

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CASE **Identification Number:** YT3M69

Project Number / Name: HPS **Rental** ✓ **ERRG** | |

Inspected By (Initials) And Date:	VV 6-1-11			RL 6-2-11			RL 6-3-11									Defect(s):
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	✓			✓			✓									
Tracks			✓			✓			✓							
Steps and handgrips	✓			✓			✓									
Guards on moving parts?	✓			✓			✓									
Engine belts and hoses	✓			✓			✓									
Fluid levels acceptable?	✓			✓			✓									
Loading/lifting capacity marked?	✓			✓			✓									
Seat belt operative?	✓			✓			✓									
Fire extinguisher present?	✓			✓			✓									
Windows and mirrors unbroken?	✓			✓			✓									
Gauges operative?	✓			✓			✓									
Battery charged?	✓			✓			✓									
Windshield wipers operative?	✓			✓			✓									
Horn operative?	✓			✓			✓									
Back up alarm operative?	✓			✓			✓									
Lights and signals operative?	✓			✓			✓									
Steering and other controls	✓			✓			✓									
Brakes	✓			✓			✓									

Explain corrective actions taken: Tires are on bad shape

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D-6R - Dozer **Identification Number:** 7M58X63

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	5-31-11			6-1-11			6-2-11			6-3-11						
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Tracks	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 03/JUN/11

REPORT NO 143

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using offroad dump trucks and belly dump trucks. Continued placing lifts along the toe of the southeastern slope.
	Continued placing lifts along the toe of the southwestern slope. Started grading out the top of the southwestern slope near the Donahue gate.
	Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/03/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/03/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	**Follow up**	**X**			
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**				
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/03/2011

Photo 1: Cover Installation – Hauling soil from Dry Dock 3 using offroad dump trucks. Placing soil near Donahue Street slope.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 3, 2011

Photo 2: Cover Installation – Spreading additional soil lifts near the southwestern slope. Grading the edge of the slope along Donahue Street.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 3, 2011

Photo 3: Cover Installation – Hauling soil from Dry Dock 3 using belly dump trucks. Placing soil near southeastern slope.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 3, 2011

Photo 4: Cover Installation – Spreading and compacting soil lifts near the toe of the southeastern slope.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 3, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 06/JUN/11	REPORT NO: 144
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Cloudy / Windy	PM WEATHER: Cloudy / Windy	MAX TEMP (F): 61	MIN TEMP (F): 56

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue grading the site in the 2-foot and 3-foot cap areas.	ERRG	1	Project Manager	4
	Installed monitoring probe extensions.	ERRG	1	Superintendent	9
	Lewis Merlo onsite installing subgrade for retaining wall.	ERRG	1	QC Manager	9
		ERRG	1	H&S Manager	9
		ERRG	0	QC Staff	0
		ERRG	0	Truck Drivers	0
		ERRG	1	Grade checker	8
		ERRG	2	Laborers	16
		Lewis Merlo	2	Concrete Subcontractor	16

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	71
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	20012
TOTAL WORK HOURS FROM START OF CONSTRUCTION	20083

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	NA	Class II AB for retaining wall footing
06	019	Vapor monitoring probe tubing

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	Harris Blade	2K water truck - 1 ea	0
	Harris Blade	D6R Bulldozer - 1 ea	8
	Harris Blade	D6 LGP Dozer - 1 ea	0
	United Rentals	25 KW Generators - 2 ea	48
	ERRG	25KW Generator - 1 ea	12
	SCS Tracer	Air Monitoring skids - 2 ea	48
	Harris Blade	972 Loader	0
	United Rentals	JD 210 Skip Loader	2

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/6/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/6/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK GRADING, DEMOB TRUCKS, EXTEND & BACKFILL & COMPACT WELLS
CONCRETE SUB

SAFETY TOPICS PRESENTED

SAFETY TOPICS EQUIPMENT & GROUND PEOPLE, HYDRATION, REVIEW AHA W/SUB.

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Rafael Loza	ERRG	Rafael Loza
JOHN SOURIAL	ERRG	
DAVID HASAL	ERRG	David Hasal
WILLIAM LIGHT	ERRG	
PAT STALVING	MERLO	
Jesus Ramirez-Cotera	MERLO	Jesus Ramirez-Cotera
Liz Binning	ERRG	

Health & Safety Officer DICK ESP **SUPERINTENDENT** King Bailey

SIGNATURE **SIGNATURE**

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Client: Dept of the Navy
Day: MONDAY
Date: 6/6/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: OVERCAST
Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

0700 SAFETY TAILGATE – EQUIPMENT OPERATION / GROUND PEOPLE, HYDRATION, CONCRETE CONTRACTOR ON SITE.

DEMOBILIZING OFF-ROAD DUMP TRUCKS

EXTENDING WALL & COMPACTING FILL

CONCRETE CONTRACTOR EXCAVATING FOOTING, FORMING BASE

GRADING FILL

COMPACTION TESTING FILL AND RETAINING WALL BASE MATTING

EQUIPMENT IN USE – BULLDOZER, SKIDLOADER

Signed: Richard Epp
Date: 6/6/11

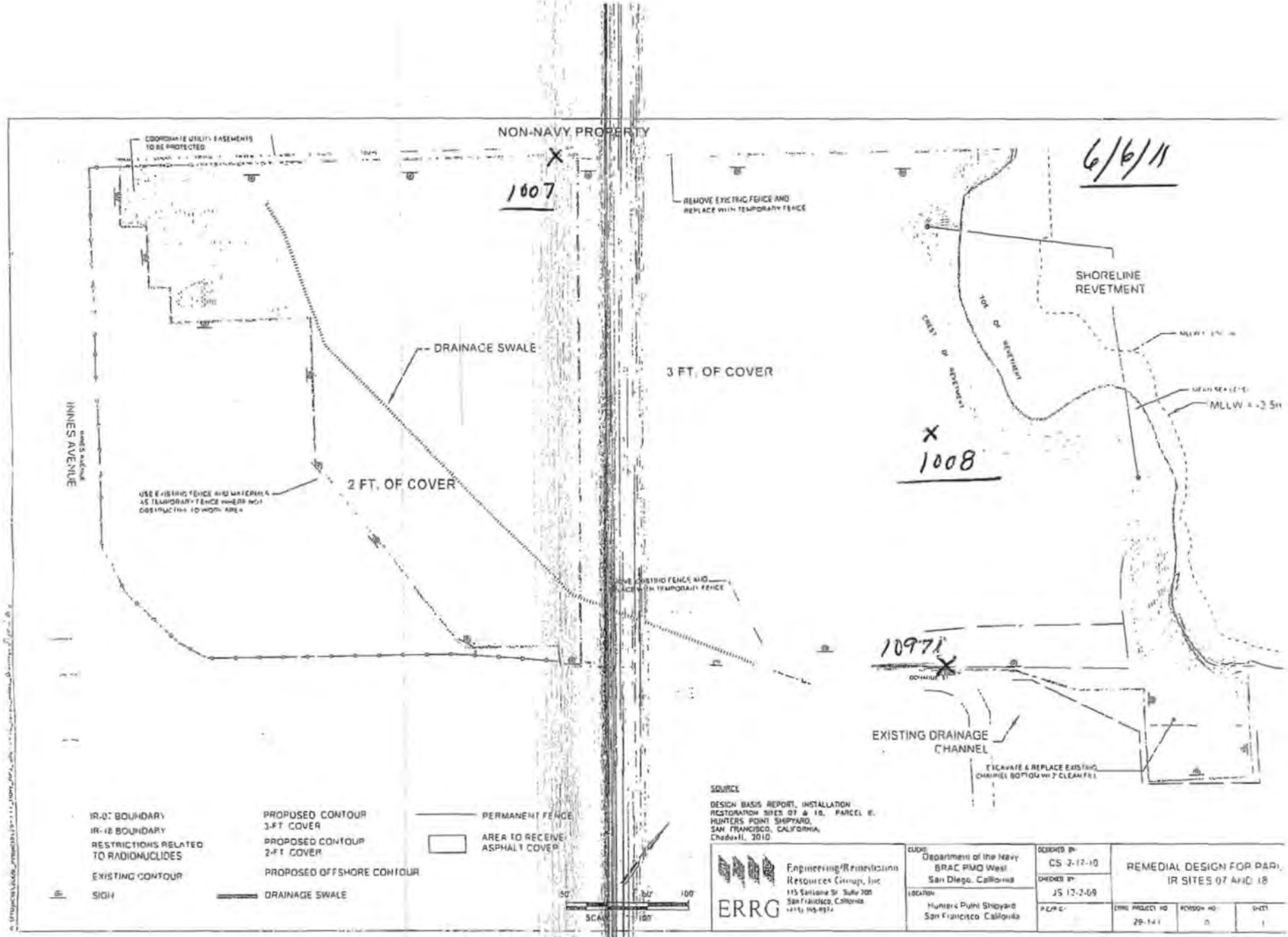
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GPP
Project Name: REMEDIATION PARCEL B
Site Location: HPS, IR-07#18
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument TWA: Core ~~PID~~	~~DataRAM~~	Comments
10971	6/6/11	0804	0.033	0.032	
1008		0806	0.029	0.028	
1007		0810	0.056	0.055	
10971		0917	0.024	0.023	
1008		0922	0.023	0.025	
1007		0926	0.057	0.055	
10971		1015	0.000	0.018	
1008		1019	0.015	0.023	
1007		1026	0.045	0.052	
10971		1244	0.013	0.013	
1008		1249	0.009	0.017	
1007		1252	0.041	0.046	
1007		1446	0.042	0.045	
1008		1451	0.031	0.014	
10971		1453	0.017	0.013	



NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
6/6/11
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
MLLW = -2.5ft
1008
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTING TO WORK AREA
10971
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SCALE
SOURCE
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL E, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St. Suite 700
San Francisco, California
CLIENT
Department of the Navy
BRAC PMO West
San Diego, California
LOCATION
Hunters Point Shipyard
San Francisco California
DESIGNED BY
CS 2-17-10
CHECKED BY
JS 12-2-09
REMEDIAL DESIGN FOR PARL
IR SITES 07 AND 18
ERRG PROJECT NO
29-141
VERSION NO
0
SHEET
1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 06/JUN/11

REPORT NO 144

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued hauling soil from the stockpile near Dry Dock 3 to IR-07 & -18 using belly dump trucks. Continued placing additional lifts in the
	center of the site. Continued placing lifts along the eastern portion of the shoreline. Started extension of the soil gas monitoring probes.
	Concrete subcontractor onsite installing the aggregate base subgrade for the retaining wall and form work for the retaining wall slab.
	Verified that activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/06/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/06/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	**Follow up**	**X**			
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**	**X**			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/06/2011

Photo 1: Cover Installation – Extending the vapor monitoring probes.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 6, 2011

Photo 2: Cover Installation – Placement and compaction of 6-inch Class II aggregate base below retaining wall slab.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 6, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 07/JUN/11	REPORT NO: 145
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Cloudy / Cold	PM WEATHER: Cloudy / Windy	MAX TEMP (F): 67	MIN TEMP (F): 53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue unloading select fill from dry dock unloading area. 1 large barge.	ERRG	0	Project Manager	0
	Using belly dump trucks to haul fill to IR-07 / IR-18.	ERRG	1	Superintendent	11
	Continue placing material on the cap in 2 foot fill area, spread and compact.	ERRG	1	QC Manager	11
	Continue placing additional lifts in the 3 foot fill area, spread and compact.	ERRG	1	H&S Manager	11
	Lewis Merlo onsite installing rebar for retaining wall.	ERRG	1	QC Staff	11
		ERRG	0	Truck Drivers	0
		ERRG	4	Equipment Operators	34.5
		ERRG	3	Laborers	24
		Jerico	4	Marine Subcontractor	40
		Lewis Merlo	2	Concrete Subcontractor	16
		18 Trucking	5	Truck Drivers	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	208.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	20083
TOTAL WORK HOURS FROM START OF CONSTRUCTION	20291.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates
06	NA	#5 Rebar for the retaining wall

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2k Water truck	8
	Harris Blade	D6R Bulldozer - 1ea	8
	Harris Blade	D6 LGP Dozer - 1 ea	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	Cat 972 Loader	10.5
	United Rentals	JD 210 Skip Loader	2

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/07/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 07/JUN/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 145 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy / Cold	Cloudy / Windy	67	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/07/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/7/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD + COMPACT FILL, RETAINING WALL SUB TO CONTINUE, COMPACTION TESTING

SAFETY TOPICS PRESENTED

SAFETY TOPICS TRAFFIC, OTHER WORK AREAS, AHA REVIEWS

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Viliamu Velei	WRKER	[signature]
Sergio Bonilla	ERRG	[signature]
Guadalupe Trujillo	ERRG	[signature]
VICENTE VALENCIA	ERRG	[signature]
DAVID HASAL	ERRG	[signature]
Larry Johnson	ERRG	[signature]
Ken Mark	ERRG	[signature]
Rafael Loza	ERRG	[signature]
KARMJIT	KS Trucking	[signature]
GURDEEP SINGH	MIT TRUCKING	[signature]
MIKE	KARTAR TAK	[signature]
HARINDER	[illegible]	[signature]
Liz Binning	[illegible] ERRG	[signature]
PAT GALVIN	MERLO	[signature]
MANASES ESTRADA-CASTANEDA	MERLO	[signature]
JOHN SOURIAL	ERRG	[signature]
Elizabeth Creek	ERRG	[signature]
Shirley Ng	ROILL	[signature]
Ezequiel Market	MerLO	[signature]

Health & Safety Officer DICK EPP. **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

ERRG

TAILGATE SAFETY MEETING

DATE 6/7/11 TIME 0700 PROJECT NUMBER

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
MIKE OLDHAM	MERCO	Mike Oldham

Health & Safety Officer

SIGNATURE

SUPERINTENDENT

SIGNATURE

HAULING, COMPACTING FILL
RETAINING WALL

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	Kiry Bailey	[signature]	6-7-11- 07:00
Site Safety Officer:	DICK OPP	[signature]	6/7/11 @ 0700
Employee(s):	Viliamu Lelei	[signature]	6/7/11 0700
	Sesso Aguilera	[signature]	6/7/11 7:00
	Guadalupe Tavilla	[signature]	6-7-11 7:00
	VICENTE VALENCIA	[signature]	6-7-11 7:00
	DAVID HASAL	[signature]	6-7-11 7:00
	Larry Johnson	[signature]	6-7-11 7:00
	Ken Mark	[signature]	6-7-11 700
	Rafael Loza	[signature]	6-7-11 - 7:00
	KARMJIT SINGH	[signature]	6-7-11 7:00
	GURDEEP SINGH	[signature]	6-7-11 7:00
	mike	[signature]	6-7-11 . 700
	HARINDER	[signature]	6-7-11 . 700
	Liz Binning	[signature]	6/7/11 0700
	Manases Estrada-Castaneda	[signature]	6/7/11 7:45
	PAT CTAZUM	[signature]	6/7/11 7:45
	JOHN SOURIAL	[signature]	6/7/11 7:45
	Elizabeth Creek	[signature]	6/7/11 0745

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	TUESDAY	Date:	6/7/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	SCATTERED CLOUDS	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE – BACK TO HAULING + SPREADING FILL, 5 BELLY DUMP TRUCKS + NEW DRIVERS ON SITE, REMAINING WITH SUB CONTRACTOR ON SITE, COMPACTION TESTING.

HAULING, SPREADING & COMPACTING FILL.

COMPACTION TESTING

FORMING WELL PADS

EQUIPMENT IN USE – 5 BELLY DUMP TRUCKS, LOADER, 2 BULLDOZERS, ROLLER COMPACTOR.

Signed: RGepp Date: 6/7/11

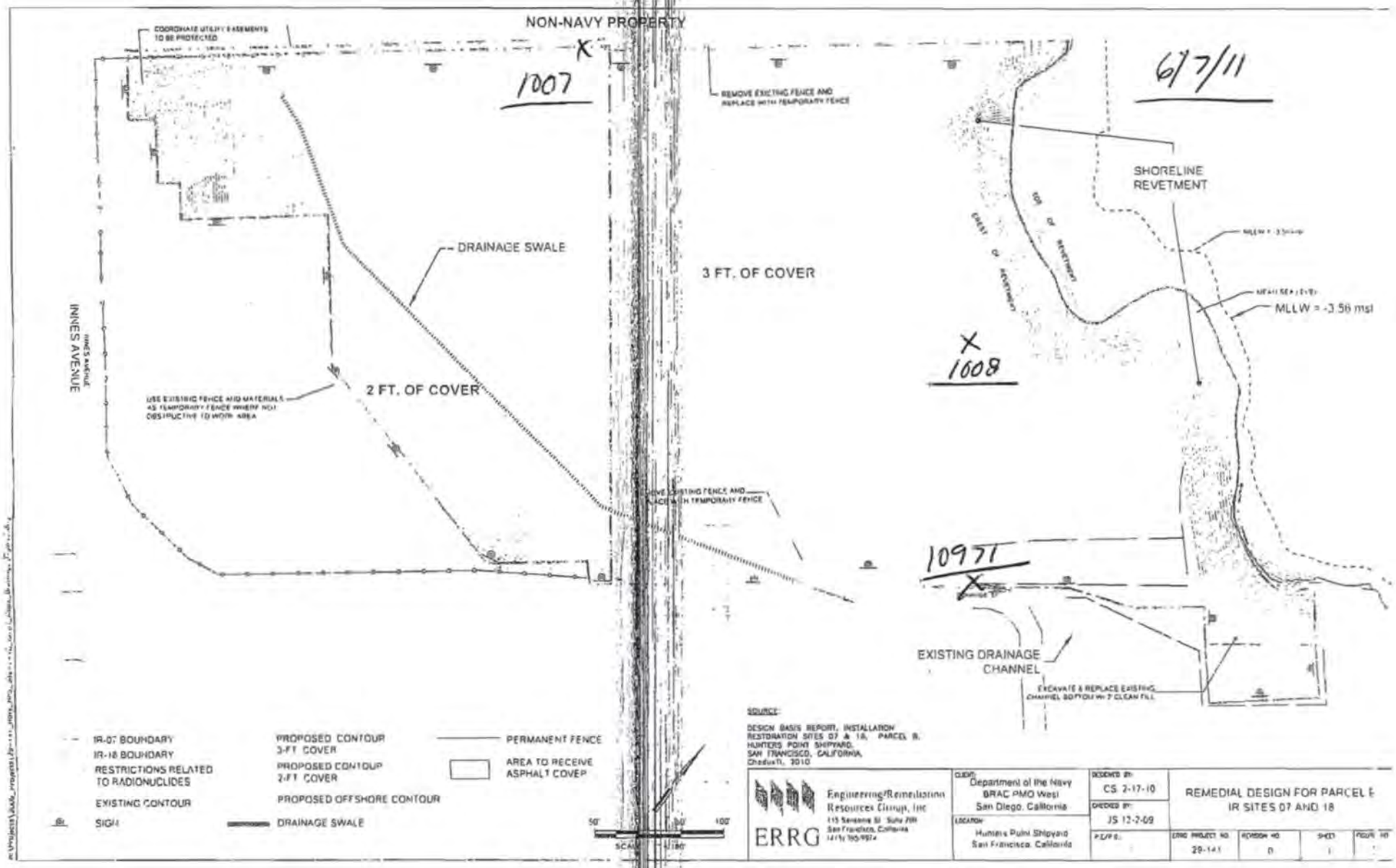
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK EDP
Project Name: REMEDIATION PARCEL B
Site Location: IR-07+18, HPS
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument CONE ~~PID~~	Instrument TRA ~~DataRAM~~	Comments
10971	6/7/11	0812	0.042	0.041	
1008		0816	0.032	0.032	
1007		0820	0.064	0.066	
10971		0915	0.049	0.044	
1008		0917	0.039	0.042	
1007		0922	0.062	0.067	
10971		1010	0.044	0.047	
1008		1012	0.029	0.042	
1007		1016	0.074	0.066	
10971		1101	0.043	0.049	
1008		1104	0.031	0.053	
1007		1110	0.056	0.064	
10971		1321	0.045	0.051	
1008		1337	0.070	0.063	
1007		1342	0.046	0.057	
1007		1449	0.057	0.056	
1008		1453	0.061	0.063	
10972		1500	—	—	DONE


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
6/7/11
SHORELINE REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
MLLW = -3.56 msl
1008
10971
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwick, 2010
ERRG
Engineering/Remediation Resources Group, Inc
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL B IR SITES 07 AND 18
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 07/JUN/11

REPORT NO 145

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued import of cover material from Decker Island Aggregates by barge. Continued hauling soil from the dry dock barge offloading
	operation to IR-07 & -18 using belly dump trucks. Continued placing soil over the entire site in preparation for meeting final grade. Performed
	compaction tests on the cover soil material to ensure that compaction standards were met. Concrete subcontractor on site installing the
	aggregate base subgrade for the retaining wall and form work for the retaining wall slab. Performed a compaction test on the aggregate
	base to verify that it met the compaction specifications. Concrete subcontractor also started and finished installation of the rebar within the
	retaining wall slab and the tie-in rebar for connecting the slab to the gravity and cantilever portions of the retaining wall. Verified that
	activities performed conformed to the cover installation checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/07/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/07/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up	X			
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	**Follow up**	**X**			
Have all monitoring wells been extended as shown on the design drawings?	**Follow up**				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	**Follow up**	**X**			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	**Follow up**	**X**			
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/07/2011

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/7/11	Job No. 29-141	Project/Location HPS IR-07&-68	Source Material Am-241 / Cs-137	Density Std. 25434
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 16025
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-47	105.0		15.5	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
236		6"	111.5	13.5	98.0	13.8	93	C3	0'
238		6"	121.8	18.4	103.4	17.8	98	C4	0'
239		6"	119.0	18.2	100.8	18.1	96	D4	0'
240		6"	121.8	18.8	103.0	18.2	98	D5	0'
241		6"	117.3	16.0	101.3	15.7	96	D6	0'
242		6"	121.3	17.8	103.5	17.2	99	E6	0'
243		6"	113.8	14.6	99.2	14.7	94	E5	0'
244		6"	119.0	14.7	104.3	14.1	99	F6	0'
251		6"	118.6	15.3	103.2	14.8	98	H3	-0.25'
252		6"	116.9	16.6	100.3	16.0	95	I3	-0.25'
253		6"	114.3	14.6	99.8	13.9	95	J3	-0.25'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG
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Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No.
6/7/11	29-141	HPS 1R-07+-18	Am-241 / Cs-137	MC3
Inspector	**Project Engineer**	**Other**		**Density Std.**
R. LOZA	E. BINNING			25434
Curve No.	**Max. Density (PCF)**	**Min. Density (PCF)**	**Optimum Water (%)**	**Moisture Std**
BS-DIA-50	115.2		13.5	16025
Specified % Compaction	**Specified % Water**	**Lab Test Method**	**Equipment in Use**	
90%	+/- 3%	ASTM D-1557	smooth drum roller	
			Field Test Method	
			ASTM D-2922 ASTM D-3017	

		Gauge Readings								
Test No.	**Retest**	**Test Depth**	**Total Density**	**Total Water**	**Dry Density**	**% Water**	**%Proctor (% compact)**	**Location**	**Elevation**
237		6"	123.8	17.1	106.7	16.5	93	D3	-0.25'
266		6"	122.5	14.3	108.2	13.2	94	L7	-1'
267		6"	123.1	15.8	107.3	14.7	93	K7	-1'
268		6"	122.1	14.0	108.1	13.0	94	J7	-1'
269		6"	119.7	15.6	104.1	15.1	90	I1	-0.25'
270		6"	118.1	12.8	105.3	12.3	91	H1	-0.25'
271		6"	121.1	14.3	106.8	13.4	93	G1	-0.25'
272		6"	117.3	13.3	104.0	12.6	90	F1	-0.25'
273		6"	120.1	12.1	108.0	11.6	94	E1	-0.25'
274		6"	121.1	14.4	106.7	13.6	93	D1	-0.25'
275		6"	116.3	12.0	104.3	11.6	90	C1	-0.25'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/7/11	Job No. 29-141	Project/Location HPS IR-07+-18	Source Material Am-241 / Cs-137	Density Std. 25434
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 16025
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-54	112.1		14.5	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
245		6"	124.7	15.1	109.6	13.7	98	F6	+0.5'
246		6"	118.5	17.2	101.3	17.0	90	E6	+0.5'
247		6"	118.3	13.8	104.5	13.2	93	D6	+0.5'
248		6"	116.1	13.9	102.2	13.6	91	F6	+1'
249		6"	125.1	14.5	110.6	13.1	99	E6	+1'
250		6"	117.5	16.6	100.9	16.5	90	D6	+1'
264		6"	120.1	17.0	103.1	16.5	92	M7	-1.5'
265		6"	119.0	15.2	103.8	14.6	93	M7	-1'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. NC3
Date/Time: 6/7/11	Job No.: 29-141	Project/Location: HPS 1R-074-19	Source Material: Am-241 / Cs-137	Density Std.: 25434
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16025
Curve No.: BS-DIA-47	Max. Density (PCF): 105.0	Min. Density (PCF):	Optimum Water (%): 15.5	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings								
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
254		6"	112.7	15.4	97.3	14.6	92	J4	-0.25'
255		6"	113.8	15.0	98.8	15.1	94	I4	-0.25'
256		6"	114.0	13.1	101.0	12.9	96	H4	-0.25'
257		6"	117.2	14.5	102.7	14.1	97	H5	-0.25'
258		6"	114.7	16.6	98.1	16.1	93	I5	-0.25'
259		6"	115.9	15.6	100.3	14.9	95	J5	-0.25'
260		6"	116.3	13.4	102.9	12.8	97	K4	-0.25'
261		6"	126.5	19.1	107.4	17.5	100	K6	-0.25
262		6"	115.8	15.8	100.0	15.8	95	J7	-1.5'
263		6"	119.3	18.0	101.3	17.8	96	K7	-1.5'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/7/11	Job No. 29-141	Project/Location HPS IR-07&-18	Source Material Am-241 / Cs-137	Density Std. 25434
Inspector R.LOZA	Project Engineer E. BINNING	Other		Moisture Std 16025
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-50	115.2		13.5	Smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
276		6"	119.8	14.7	105.1	13.9	91	C2	-0.25'
277		6"	121.8	11.9	109.9	11.2	95	D2	-0.25'
278		6"	120.1	14.2	106.0	13.3	92	E2	-0.25'
279		6"	120.5	15.0	105.5	14.1	91	F2	-0.25'
280		6"	119.1	12.8	106.3	12.1	92	G2	-0.25'
281		6"	117.7	12.6	105.1	11.8	91	H2	-0.25'
282		6"	116.3	11.6	104.7	10.9	91	I2	-0.25'
283		6"	116.9	11.9	105.0	11.3	91	J2	-0.25'
287		6"	123.8	17.1	106.7	16.5	92	D3	+0.25'
288		6"	125.9	18.0	107.7	16.5	93	E3	-0.25'
289		6"	121.7	15.4	106.3	14.8	92	F3	-0.25'
		Average							

Remarks:

Inspector:

Reviewed:

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/7/11	Job No. 29-141	Project/Location HPS 1R-07-18	Source Material Am-241 / Cs-137	Density Std. 25434
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 16025
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-36	104.5		18.0	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
284		8"	117.0	20.2	96.8	20.9	92	J1	-1.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. MC3
6/7/11	29-141	HPS IR-07+18	Am-241 / Cs-137	Density Std. 25434
Inspector	Project Engineer	Other		Moisture Std
R. LOZA	E. BINNING			16025
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-57	113.0		15.4	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
285		6"	121.4	18.0	103.4	17.4	91	J1	-0.75'
286		6"	121.3	18.8	102.5	18.3	90	J1	-0.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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Martinez, CA 94553
Phone: (925) 969-0750
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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

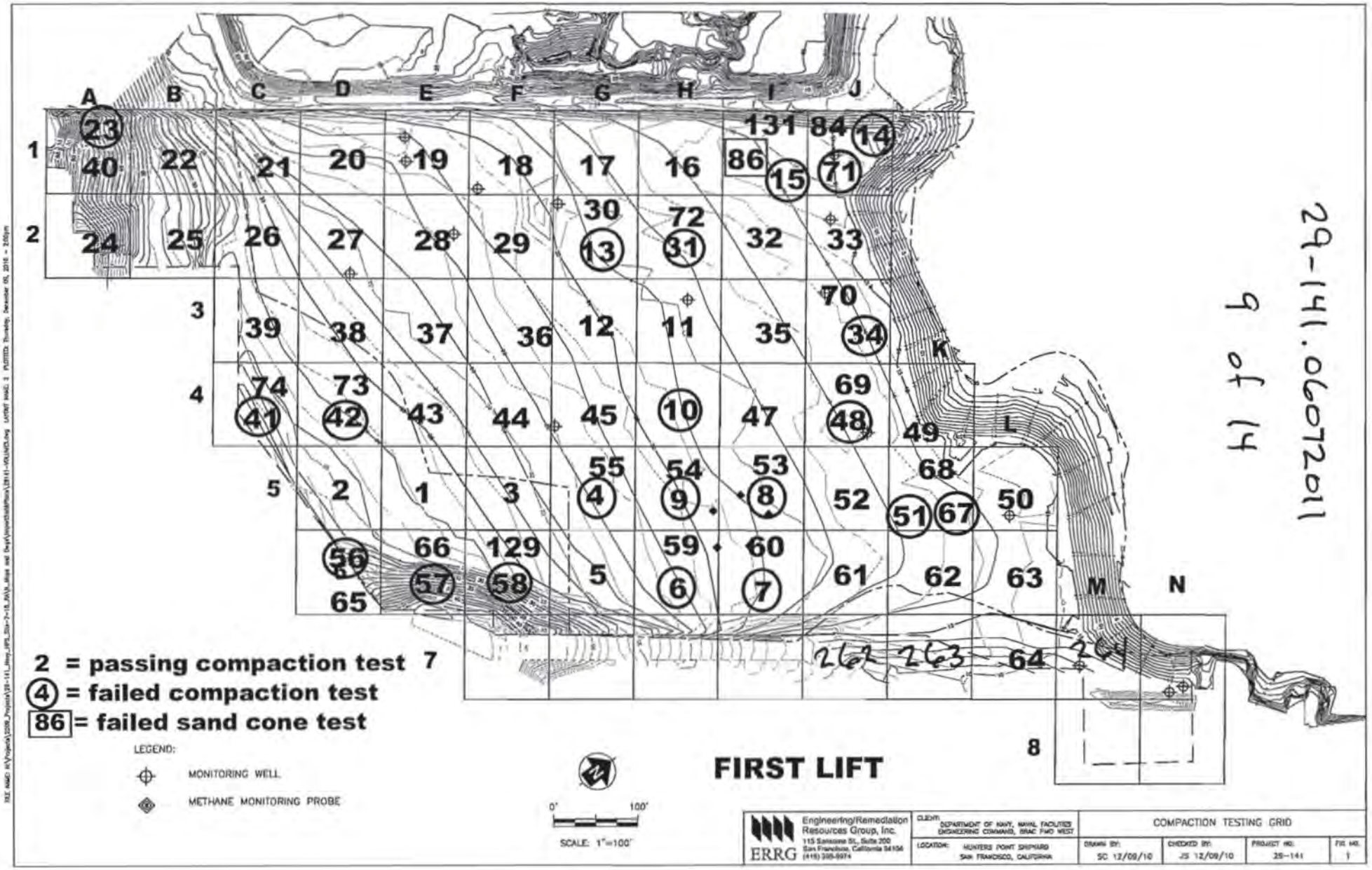
				Gauge No. MC3
Date/Time: 6/7/11	Job No.: 29-141	Project/Location: HPS IR-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 25434
Inspector: R.LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16025
Curve No.: BS-DIA-50	Max. Density (PCF): 115.2	Min. Density (PCF):	Optimum Water (%): 13.5	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings								
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
290		6"	119.9	15.4	104.5	14.5	90	G3	-0.25'
291		6"	119.3	14.0	105.3	13.2	91	E4	-0.25'
292		6"	122.7	15.5	107.2	14.9	93	F4	-0.25'
293		6"	120.2	13.6	106.6	12.9	92	G4	-0.25'
294		6"	119.1	12.8	106.3	12.1	92	F5	-0.75'
295		6"	118.6	12.7	105.9	12.2	91	~~G5~~ EB F5	-0.25'
		Average							

Remarks:

Inspector:

Reviewed:



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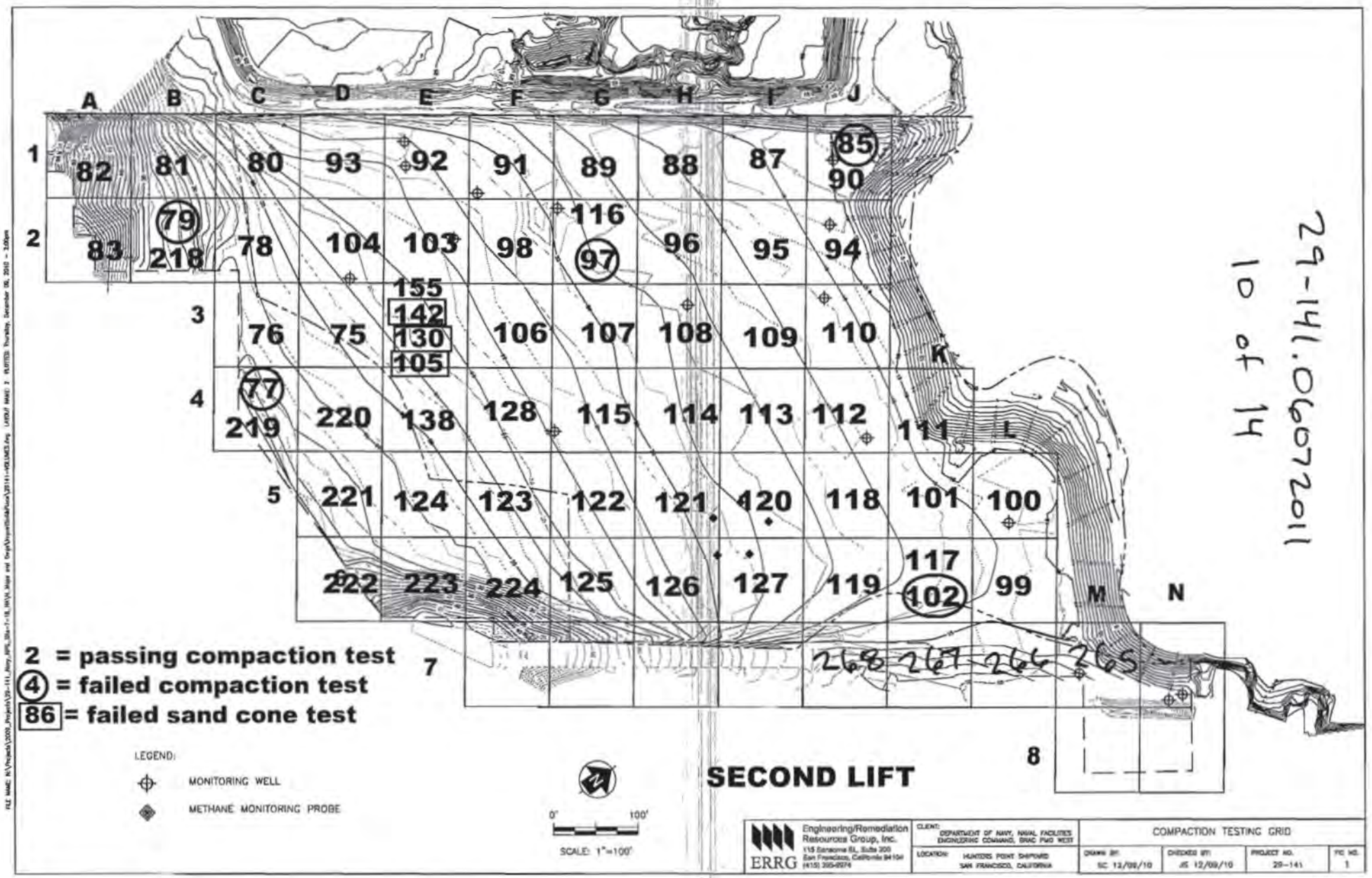
9 of 14



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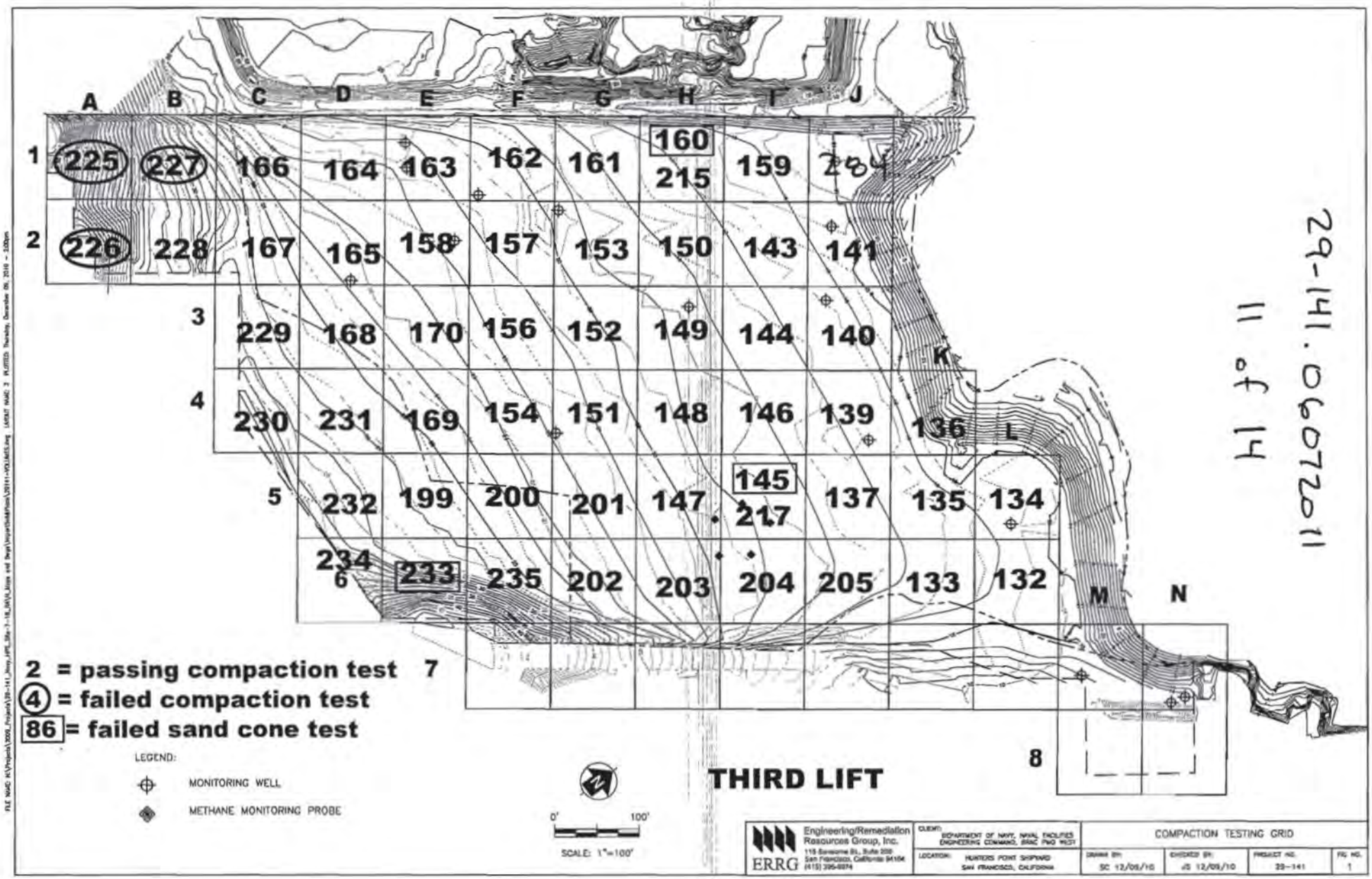
10 of 14



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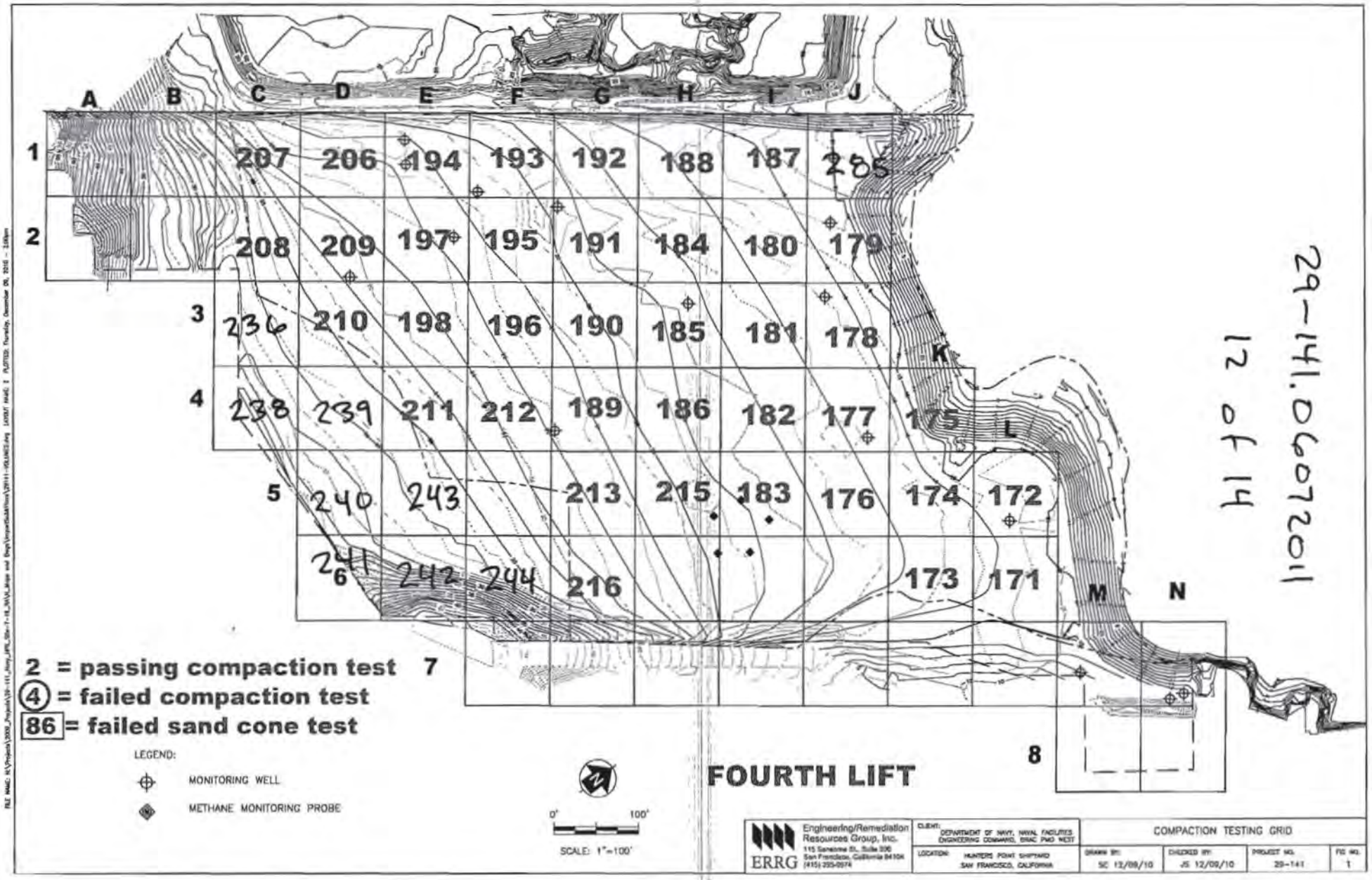
11 of 14



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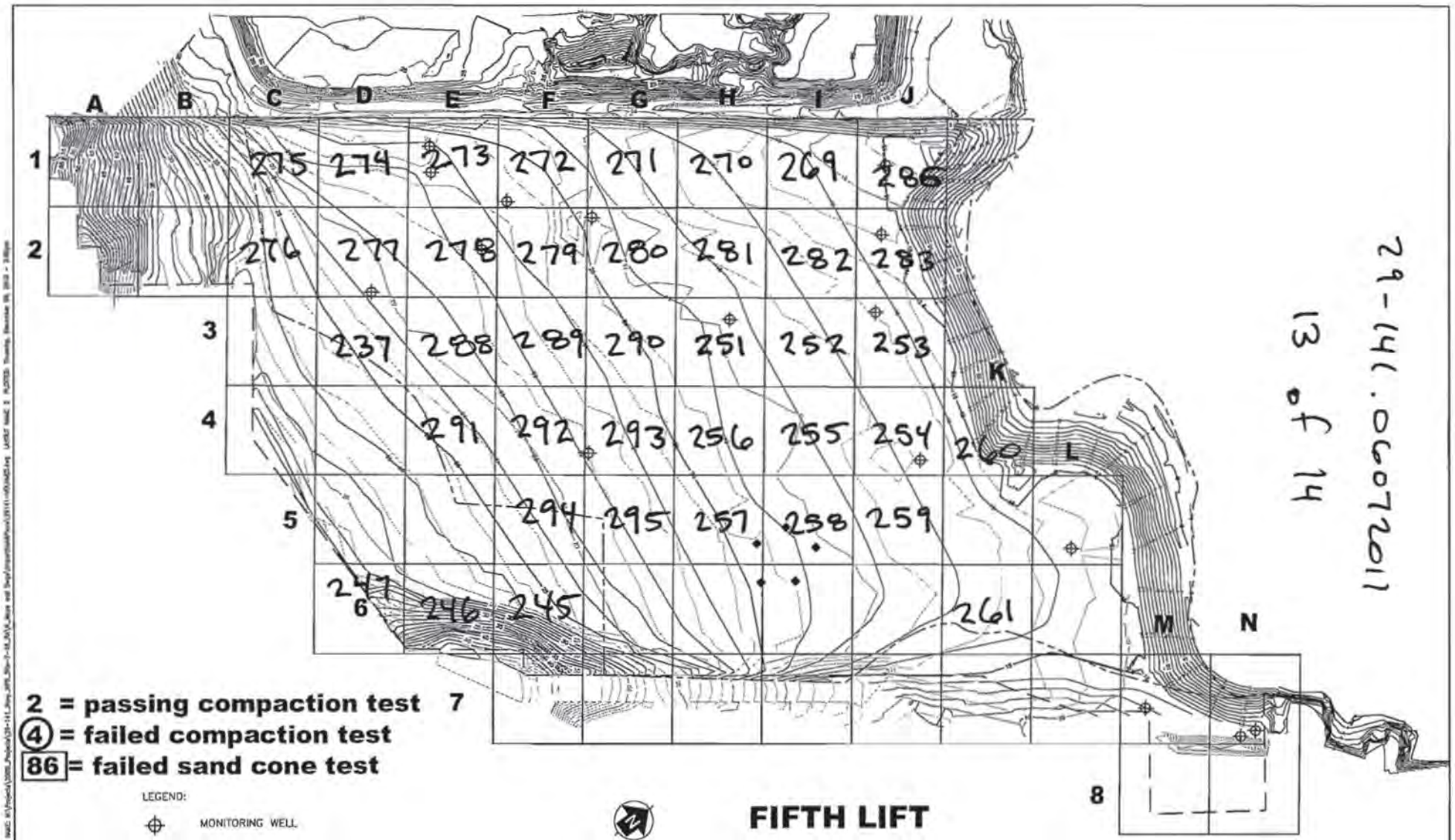
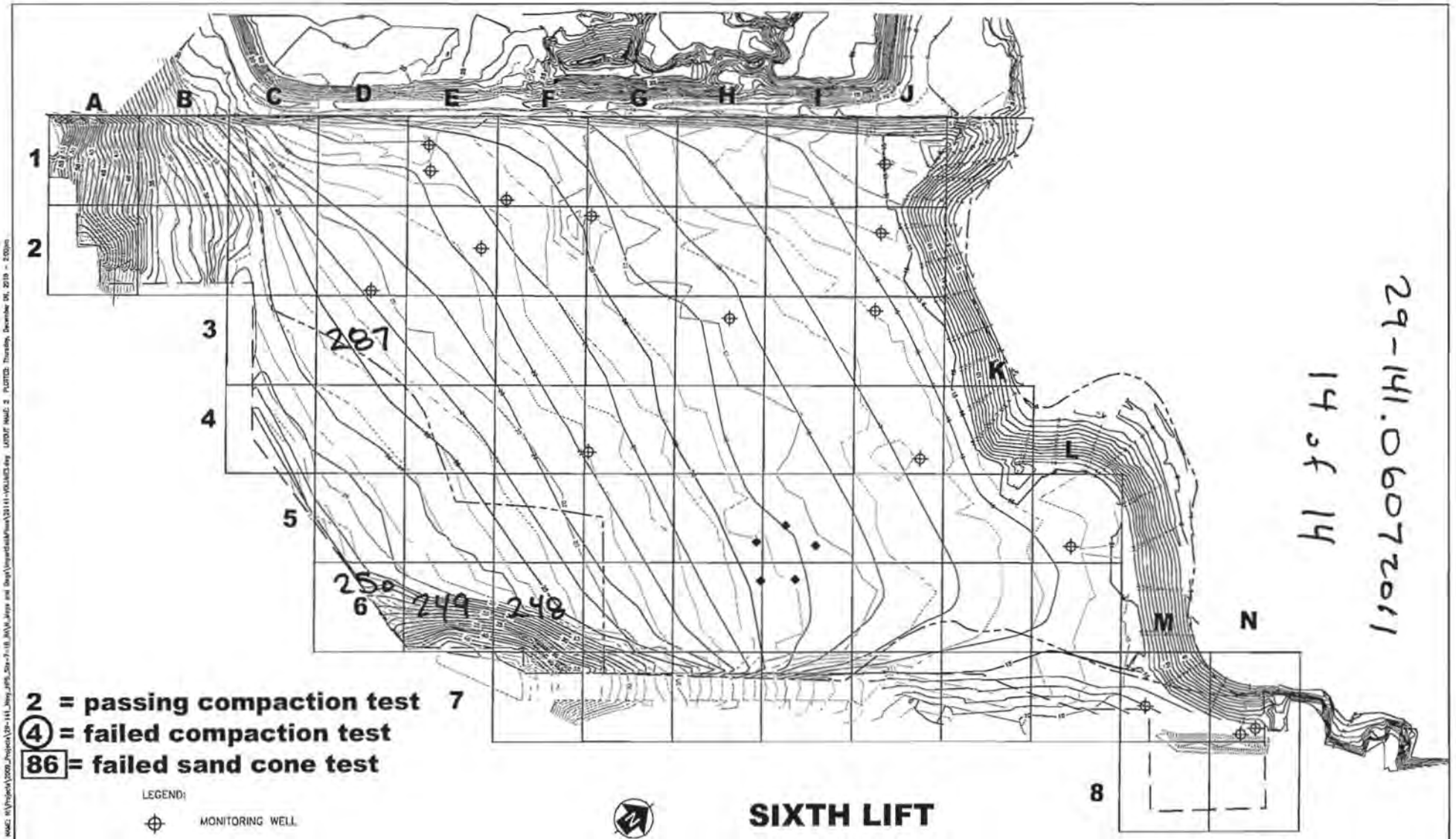
12 of 14



ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141 / FIG NO. 1


A
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M
N
287
250
249
248
2 = passing compaction test
4 = failed compaction test
86 = failed sand cone test
LEGEND:
MONITORING WELL
METHANE MONITORING PROBE
0'
100'
SCALE: 1"=100'
SIXTH LIFT
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-8974
ERRG
CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST
LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA
COMPACTION TESTING GRID
DRAWN BY: SC 12/09/10
CHECKED BY: JS 12/09/10
PROJECT NO.: 29-141
FIG NO.: 1

Moisture Content and Sand Cone Samples

Prepared by: R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 6/7/2011
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-24	261	K6	5th	17.5	6926	2154
HPS-MC-25	292	F4	5th	14.9	7076	2530

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

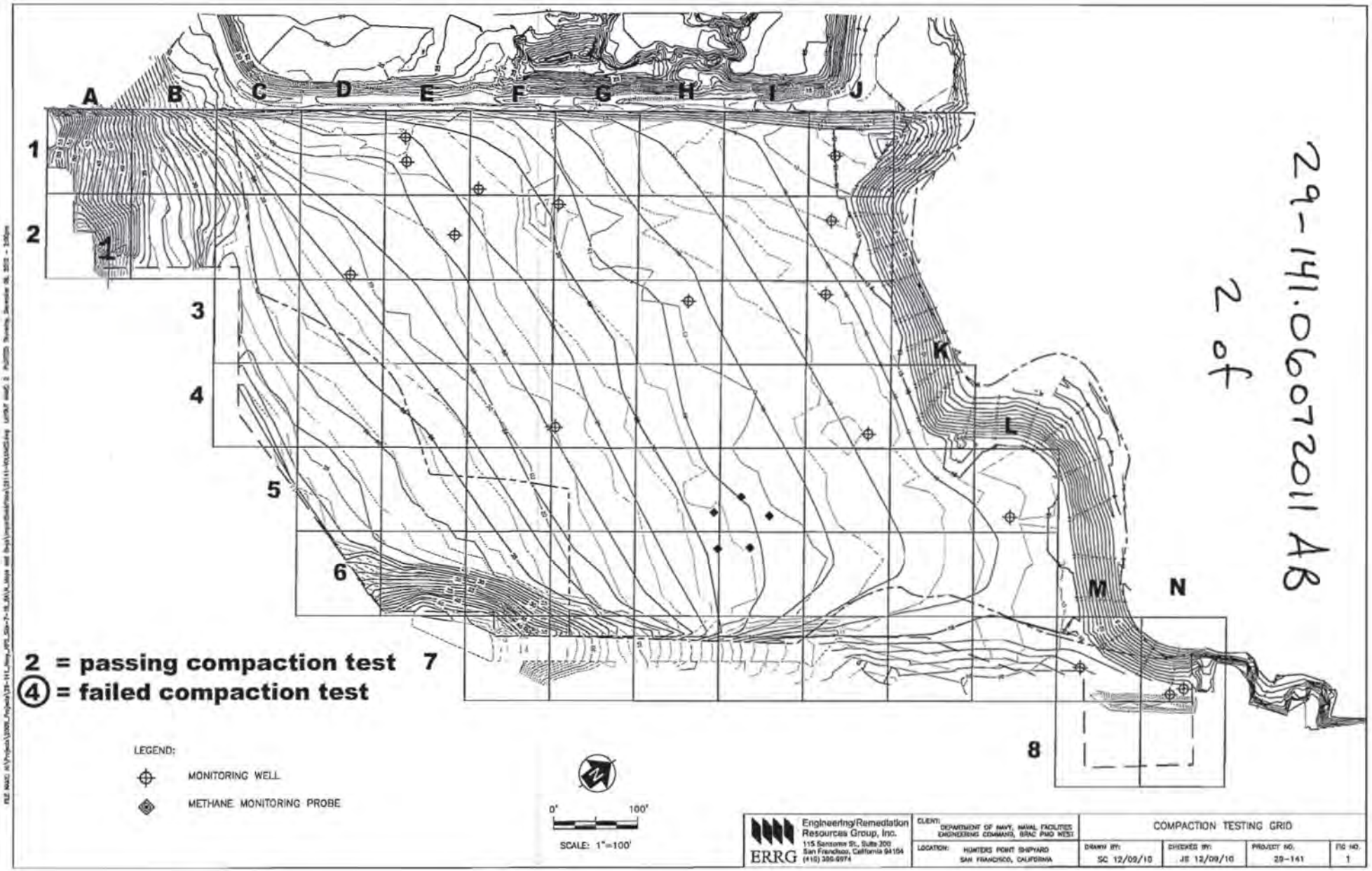
				Gauge No. MC3
Date/Time 6/7/11	Job No. 29-141	Project/Location HPS-1R-07+-18	Source Material Am-241 / Cs-137	Density Std. 25434
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 16025
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
3584	122.5		9.0	Wacker
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
95%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
1		6"	130.7	14.0	116.7	12.0	95	Retaining wall subgrade	0'
		Average							

Remarks: Retaining wall is located @ in ~~A2~~ EB area A2 (compaction map grid)

Inspector: _____ Reviewed: _____

29-141.06072011 AB
2 of



ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 386-6974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JE 12/09/10	PROJECT NO. 29-141	FIG NO. 1

Photo 1: Cover Installation – Placement of final lifts of soil to bring the cover up to final grade .

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 7, 2011

Photo 2: Cover Installation – Placement of final lifts of soil to bring cover up to final grade.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 7, 2011

Photo 3: Cover Installation – Installation of the rebar tie-in for the gravity wall portion of the retaining wall.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 7, 2011

Photo 4: Cover Installation – Completed rebar in the retaining wall slab. Tie-in from the slab to the rebar in the gravity and cantilever wall portions also prepped for concrete pour.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 7, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 08/JUN/11	REPORT NO: 146
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny / Cool	PM WEATHER: Sunny / Windy	MAX TEMP (F): 69	MIN TEMP (F): 54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Using belly dump trucks to haul fill to IR-07 / IR-18. No barges.	ERRG	1	Project Manager	6
	Continue grading the site in the 2-foot and 3-foot cap areas.	ERRG	1	Superintendent	10
	Merlo onsite installing pour concrete for the retaining wall slab.	ERRG	1	QC Manager	10
07	Started setting forms for the monitoring well extension pads and installing lids.	ERRG	1	SSHO	10
		ERRG	1	QC Staff	10
		ERRG	1	Truck Drivers	9
		ERRG	4	Equipment Operators	36
		ERRG	3	Laborers	27
		Jerico	0	Marine Subcontractor	0
		Lewis Merlo	2	Concrete Subcontractor	16
		18 Trucking	3	Truck Drivers	24

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	158
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	20291.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	20449.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06, 07	Tailgate safety briefing, equipment inspections

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	NA	4000 psi concrete for retaining wall
07	022	Protective covers for monitoring wells

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2k Water truck	9
	Harris Blade	D6R Bulldozer-1ea	9
	Harris Blade	D6 LGP Bulldozer- 1ea	9
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	Cat 972 Loader	9
	ERRG	5 yard Dump Truck	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/08/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 08/JUN/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 146 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Windy	69	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	84" Smooth Drum Compactor - 1 ea	9

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/08/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/8/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD & COMPACT FILL. FORMING WORK CAPS. CONCRETE SUB.

SAFETY TOPICS PRESENTED

SAFETY TOPICS TRAFFIC, HYDRATION, CONCRETE TRUCK & PUMP CROSSING SITE.

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
DAVID HASAC	ERRG	
Larry Johnson	ERRG	
Sergio Figueroa	ERRG	
Guadalupe Fonseca	ERRG	
Rafael Loza	ERRG	
Oscar Olguin	ERRG	
Ken Mark	ERRG	
PAT CAGLIA	MERLO	
Mauricio Estrada	MERLO	
JOHN SOURIAL	ERRG	
LIZ BRANDS	ERRG	
MIKE DOGGETT	MERLO	
HARINDER	ERRG	
KARNJIT SINGH	ERRG	
RAJ SINGH Rathi	Kratos Trucking	

Health & Safety Officer DICK KEEP

SIGNATURE

SUPERINTENDENT King Baiden

SIGNATURE

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Client: Dept of the Navy
Day: WEDNESDAY
Date: 6/8/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: OVERCAST
Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

0700 SAFETY TAILGATE - TRAFFIC, CONCRETE TRUCK & PUMPER ON SITE FOR RETAINING WALL.

HAULING, SPREADING & COMPACTING FILL

FORMING WALL CAP CONCRETE PADS.

RETAINING WALL SUB AGGREGATE BASE.

WORK DAY ENDED @ 1630

EQUIPMENT IN USE - 3 BELLY DUMP TRUCKS, 2 BULLDOZERS, END LOADER, ROLLER COMPACTOR, WATER TRUCK

Signed: [signature]
Date: 6/8/11

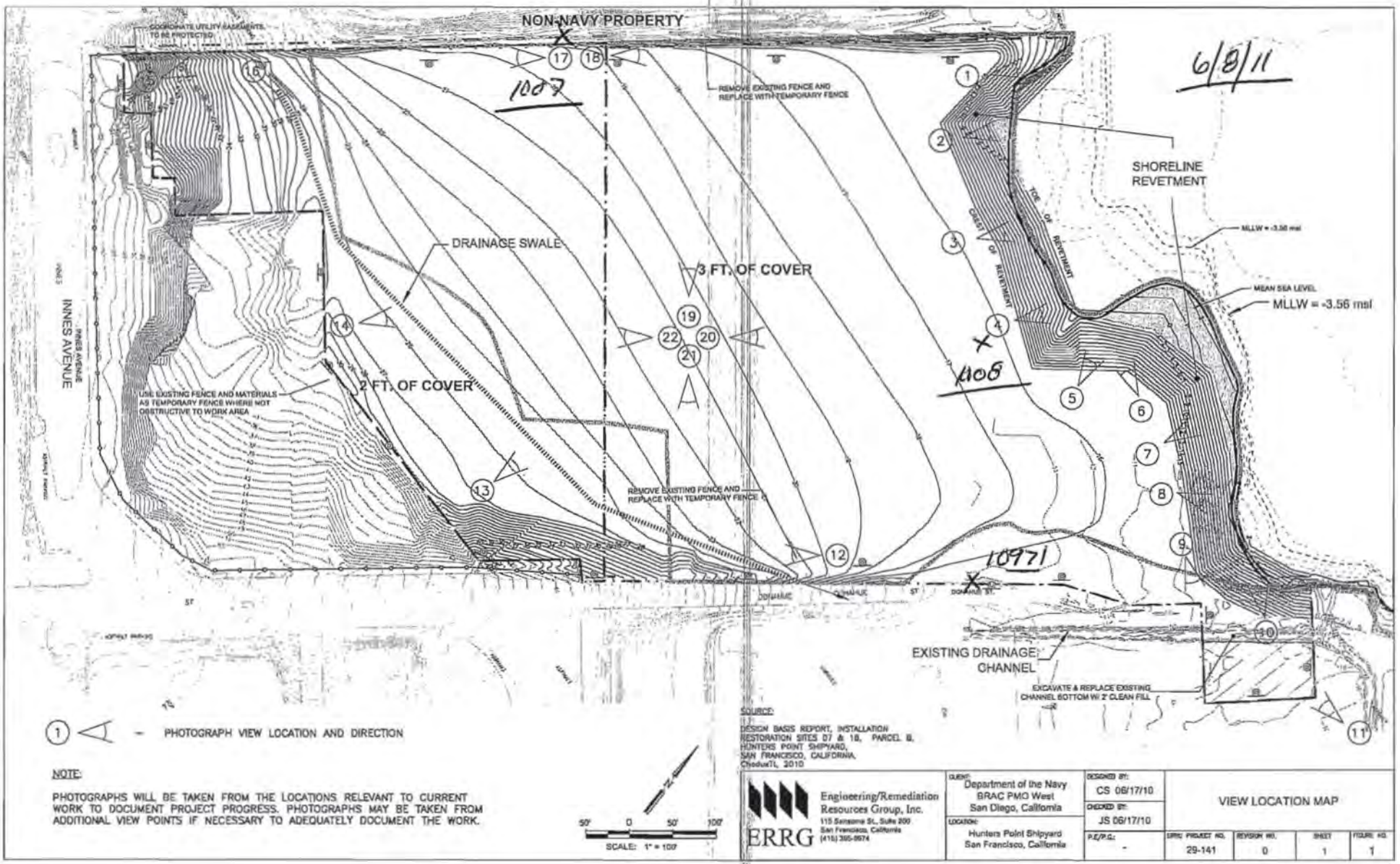
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GDP
Project Name: REMEDIATION PHASE 1B
Site Location: IR-07 HIB HPS
Calibration (Date and Time): 0730 6/8/11

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument ~~PID~~ (conc)	Instrument ~~DataRAM~~ (TWA)	Comments
10971	6/8/11	0750	0.036	0.042	
1008		0753	0.038	0.037	
1007		0757	0.036	0.038	
1007		0935	0.044	0.046	
1008		0940	0.036	0.041	
10871		0942	0.033	0.032	
10971		1240	0.031	0.034	
1008		1245	0.040	0.039	
1007		1248	0.027	0.035	
10971		1400	—	—	DCHD
10971		1405	0.031	0.032	
1008		1410	0.028	0.036	
1007		1415	0.018	0.032	
10971		1458	0.038	0.035	
1008		1501	0.030	0.036	
1007		1507	0.025	0.030	
1007		1603	0.031	0.030	
1008		1606	0.032	0.036	
10971		1612	0.029	0.033	



① ◁ – PHOTOGRAPH VIEW LOCATION AND DIRECTION

NOTE:

PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.

SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChoduxTL, 2010

50' 0 50' 100'
SCALE: 1" = 100'

ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-0674

CLIENT: Department of the Navy, BRAC PMO West, San Diego, California
LOCATION: Hunters Point Shipyard, San Francisco, California
DESIGNED BY: CS 06/17/10
CHECKED BY: JS 06/17/10
P.E./P.G.: -

VIEW LOCATION MAP

ERRG PROJECT NO.	REVISION NO.	SHEET	FIGURE NO.
29-141	0	1	1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 08/JUN/11

REPORT NO 146

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ■ NO ☐

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
07	Final Grading and Seeding	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued hauling soil from the dry dock stockpile to IR-07 & -18 using belly dump trucks. Continued placing soil over the entire site in preparation
	for meeting final grade. Concrete subcontractor on site pouring the retaining wall slab. Verified that activities performed conformed to the
	cover installation checklist.
07	Started installation of formwork and protective cover for groundwater monitoring well pads. Verified that activities performed conformed to the
	final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/08/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

INITIAL PHASE CHECKLIST

SPEC SECTION	DATE
02 66 00, 31 00 00, 31 05 22, 33 24 13	08/JUN/11

CONTRACT NO	DEFINABLE FEAT˜ E OF ˝ ORK	SCHEDULE ACT NO.	INDEX #
N62473-09-D-2608	Final Grading and Seeding	07	

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED 24 _ HOURS IN ADVANCE: * ES ☒ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Elizabeth Binning	Quality Control Manager	ERRG
King Bailey	Site Superintendent	ERRG
Richard Epp	SSHO	ERRG
David Hasal	Grade Checker	ERRG
Ken Mark	Laborer	ERRG
Rafael Loza	Laborer	ERRG
Vilamu Lelei	Laborer	ERRG
Oscar Orozco	Laborer	ERRG

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE ˝ ITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINAT PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENTS: Procedures are in compliance. There are still some outstanding FIO and Government approval submittals that need to be submitted/approved.

PRELIMINARY WORK

ENSURE PRELIMINARY ˝ O˜ IS COMPLETE AND CORRECT. IF NOT, ˝ HAT ACTION IS TA N?

Concrete pads will be installed in areas where final grade has been established. Other work will take place after final grade has been met.

WORKMANSHIP

ESTABLISH LE& ˆ OF ˝ ORKMANSHIP.

˝ H ˜ E IS ˝ O˜ K LOCATED? IR-07, IR-18, and Dry Dock 3 in Parcel B, HPS, SF

IS SAMPˆ E PANEL REQUIRED? * ES ☐ NO ☒

˝ Iˆ THE INIITAL ˝ ORK BE CONSIDERED AS A SAMPLE? * ES ☐ NO ☒

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENTS: Compaction requirements for the final lift will be clarified with the design engineer. Variances discussing the final grade verification and more clarification on the seeding methodology will be submitted to the ROICC prior to those activities occurring.

CHECK SAFETY

REVIE˝ JOB CONDITIONS USING EM 385-1-1 AND JOB HA0ARD ANALYSIS

COMMENTS: EM 385-1-1 & site specific AHAs reviewed by SSHO.

OTHER

OTHER ITEMS OR R ' ARKS

Other personnel present at meeting: Sergio Agulera (Operator, ERRG), Guadalupe Trujillo (Operator, ERRG), and Larry Johnson (Operator, ERRG).

Elizabeth Binning — QC MANAGER

6/8/2011 — DATE

Cover Installation

Date: 06/08/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/08/2011

Final Grading and Seeding

Date: 06/08/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**				Fence will be delivered when the fencing subcontractors arrive onsite.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**				
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**				
Has the use of mineral oil to coat forms been disallowed?	**Follow up**				
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**				
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**				
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**				
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**				
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**				
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**				
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have post caps been installed as recommended by the manufacturer?	**Follow up**				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	**Follow up**				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	**Follow up**				
Have gates been installed to allows gate to swing open at least 135 degrees?	**Follow up**				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	**Follow up**				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	**Follow up**				
Has waste fencing materials and other debris been removed from the site?	**Follow up**				
Have new surfaces been blended to existing areas?	**Follow up**				
Have drainage patterns been maintained as indicated on Drawings?	**Follow up**				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	**Follow up**				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	**Follow up**				
Are all areas to receive seed are free of vegetation and other objectionable material?	**Follow up**				
Have grades been verified prior to placement of seed?	**Follow up**				
Are all sloped areas uniformly compacted?	**Follow up**				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	**Follow up**				
Have compaction of the final 0.5 feet of cover been tested to ensure that the compaction does not exceed the limitations as specified in Section 31 00 00 Earthwork?	**Follow up**				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	**Follow up**				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	**Follow up**				
Has seed been sown according to supplies instructions?	**Follow up**				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	**Follow up**				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	**Follow up**				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	**Follow up**				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	**Follow up**				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	**Follow up**				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**				
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					
Manufacturers QC Manual					

Requirement	Phase	Yes	No	N/A	Comments
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/08/2011

Photo 1: Cover Installation – Placement of concrete for the retaining wall slab.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 8, 2011

Photo 2: Cover Installation – Finishing the concrete surface for the retaining wall slab.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 8, 2011

Photo 3: Final Grading and Seeding – Installation of formwork and protective cover in preparation of concrete placement for the monitoring well pads.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 8, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 09/JUN/11	REPORT NO: 147
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny / Cool	PM WEATHER: Sunny / Windy	MAX TEMP (F): 69	MIN TEMP (F): 51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue grading the site in the 2-foot and 3-foot cap areas.	ERRG	1	Project Manager	6
	Started installing AB in bump out area.	ERRG	1	Superintendent	8
	Merlo onsite installing rebar for retaining wall and installing formwork.	ERRG	1	QC Manager	8
07	Continued setting forms for the monitoring well extension pads and installing	ERRG	1	H&S Manager	8
	lids.	ERRG	1	QC Staff	8
		ERRG	2	Truck Drivers	12
		ERRG	4	Equipment Operators	32
		ERRG	2	Laborers	12
		Jerico	0	Marine Subcontractor	0
		Lewis Merlo	2	Concrete Subcontractor	16
		18 Trucking	3	Bottom dump trucks	12

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	122
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	20449.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	20571.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
04	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	020	90 rolls of CTRM
06	NA	120 tons of Class 2 Aggregate Base for asphalt subgrade

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2k Water truck	4
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	D-4G Bulldozer- 1ea	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	Cat 972 Loader	8
	ERRG	5 yard Dump Truck	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/09/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 09/JUN/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 147 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Windy	69	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	United Rentals	JD 210 Skip Loader	4
	Harris Blade	84" Smooth Drum Compactor - 1 ea	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/09/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/9/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD + COMPACT FILL, GRADE FILL, PUMP OUTFALL DITCH, HAUL BASE, FORM WELL PADS, RETAINING WALL SUB.

SAFETY TOPICS PRESENTED

SAFETY TOPICS LOTS OF ACTIVITIES - STAY ALERT

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Elizabeth Creek	ERRG	[signature]
DAVID HASAL	ERRG	David Hasal
Larry Johnson	ERRG	Larry Johnson
GUADALUPE TRUJILLO	ERRG	Guadalupe Trujillo
OSCAR OROZCO	ERRG	[signature]
Sergio Aguilar	ERRG	[signature]
Ken Mayl	ERRG	K Mayl
Liz Binning	ERRG	[signature]
PAT GALVIN	MERLO	[signature]
Manases Estrada	MERLO	[signature]
JOHN SOURIAL	ERRG	[signature]
Ezequiel Marquez	Merlo	Ezequiel Marquez
MKE Connell	MERLO	[signature]

Health & Safety Officer Dick Gray

SIGNATURE [signature]

SUPERINTENDENT King Bailey

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOUR
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

Client: Dept of the Navy
Date: 6/9/11
Project No.: 29-141
Page: 1 of 1

0700 SAFETY TAILGATE – LOTS OF DIFFERENT ACTIVITIES, KEEP AWARE OF YOUR SURROUNDINGS, RETAINING WALL SUB ALSO WORKING & HAVING EQUIPMENT + MATERIAL

FORMING WELL CAPS

PREPPING & PLACING BASE MATERIAL @ LAYDOWN YARD, COMPACTING

HAULING, SPREADING + COMPACTING FILL

GRADING FILL

RETAINING WALL SUB. STRIPPED FORMS & EXTENDING REBAR & FORMWORK FOR NEXT POUR.

WORK DAY OVER @ 1530.

EQUIPMENT IN USE – END LOADER, DUMP TRUCK, BULLDOZER, WATER TRUCK.

Signed: [signature] Date: 6/9/11

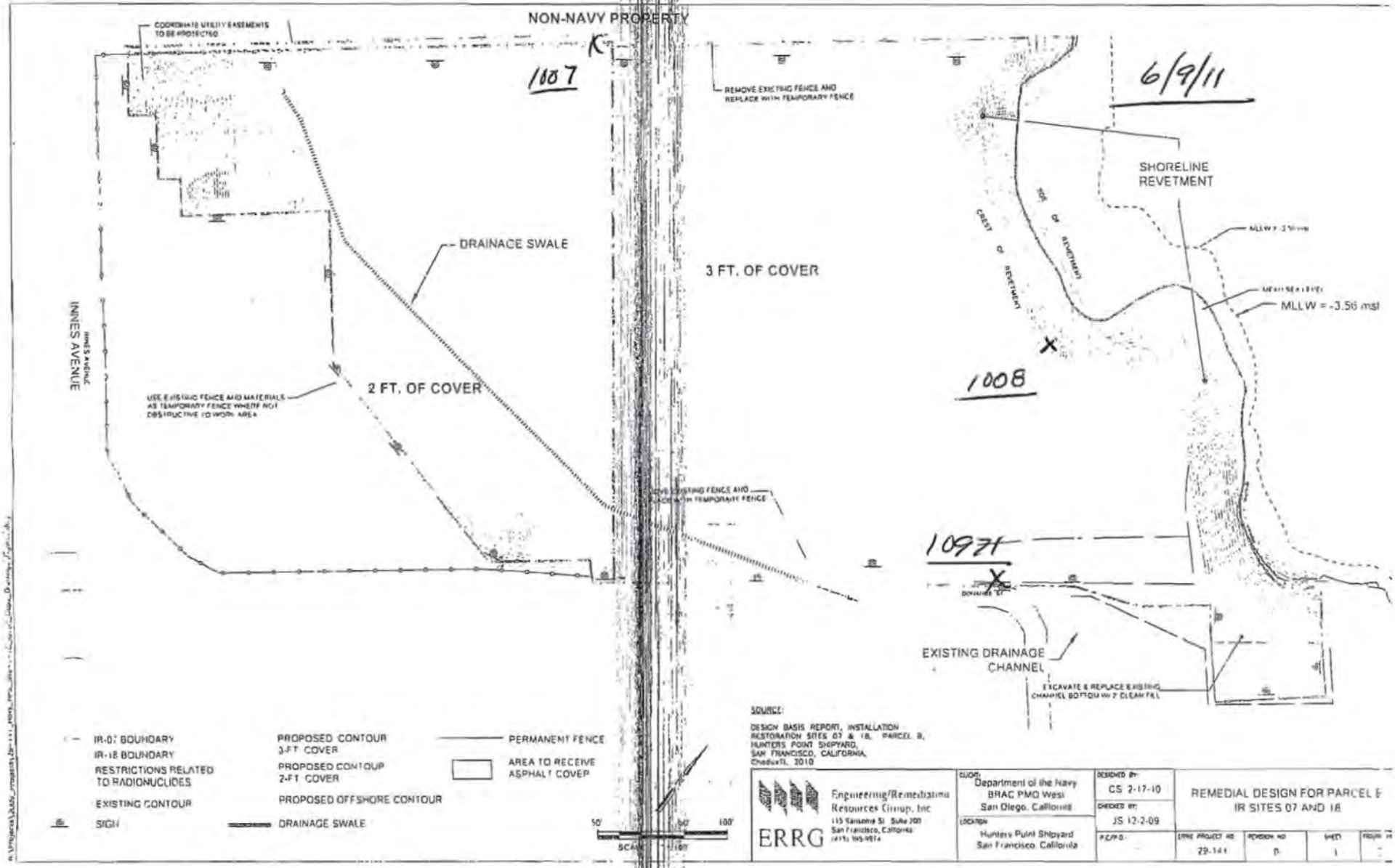
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GPP
Project Name: REMEDIATE PARCEL B
Site Location: IR-07418; NBS
Calibration (Date and Time): 6/8/11

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR DAT

Location	Date	Time	Instrument: ~~PID~~ CONC	Instrument: ~~DataRAM~~ TWA	Comments
10971	6/9/11	0736	0.027	0.034	
1008		0740	0.033	0.034	
1007		0748	0.042	0.045	
10971		0903	0.026	0.032	
1007		0914	0.019	0.034	
1008		0918	0.038	0.032	
10971		1016	0.027	0.030	
1008		1022	0.022	0.029	
1007		1027	0.015	0.029	
10971		1246	0.022	0.026	
1008		1249	0.020	0.024	
1007		1253	0.014	0.020	
10971		1349	—	—	DOHD
10971		1354	0.027	0.027	
1008		1356	0.021	0.024	
1007		1359	0.015	0.018	
1007		1454	0.019	0.018	
1008		1457	—	—	DOHD
10971		1500	0.017	0.050	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
6/9/11
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
DRAINAGE SWALE
3 FT. OF COVER
MEAN SEA LEVEL
MLLW = -3.56 msl
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
1008
10971
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
50'
100'
SCALE
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St. Suite 200
San Francisco, California
CLIENT:
Department of the Navy
BRAC PMO West
San Diego, California
LOCATION:
Hunters Point Shipyard
San Francisco, California
DESIGNED BY:
CS 2-17-10
CHECKED BY:
JS 12-2-09
P.C/P.O.
REMEDIAL DESIGN FOR PARCEL B
IR SITES 07 AND 18
ERRG PROJECT NO.
29-141
REVISION NO.
0
SHEET
1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 09/JUN/11

REPORT NO 147

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Started placing lifts to fill and grade the 2-foot cover in the drainage channel. Started placement of 4-inch lift of aggregate base in bump out area.
	Concrete subcontractor pulling forms for the slab and installing rebar for the cantilever and gravity wall portions of the retaining wall structure.
	Verified that activities performed conformed to the cover installation checklist.
07	Continued installation of form work and protective cover for groundwater monitoring well pads. Verified that activities performed conformed to the
	final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/09/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/09/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/09/2011

Final Grading and Seeding

Date: 06/09/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**				Fence will be delivered when the fencing subcontractors arrive onsite.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**				
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**				
Has the use of mineral oil to coat forms been disallowed?	**Follow up**				
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**				
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**				
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**				
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**				
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**				
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**				
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have post caps been installed as recommended by the manufacturer?	Follow up				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up				
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up				
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up				
Have drainage patterns been maintained as indicated on Drawings?	Follow up				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up				
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up				
Have grades been verified prior to placement of seed?	Follow up				
Are all sloped areas uniformly compacted?	Follow up				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up				
Have compaction of the final 0.5 feet of cover been tested to ensure that the compaction does not exceed the limitations as specified in Section 31 00 00 Earthwork?	Follow up				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up				
Has seed been sown according to supplies instructions?	Follow up				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	Follow up				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	Follow up				
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					
Manufacturers QC Manual					

Requirement	Phase	Yes	No	N/A	Comments
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/09/2011

Photo 1: Cover Installation – Installation of additional rebar for the cantilever and gravity wall portions of the retaining wall. Beginning on formwork for the walls.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 9, 2011

Photo 2: Final Grading and Seeding – Installation of formwork and protective cover in preparation of concrete placement for the monitoring well pads.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 9, 2011

Photo 3: Cover Installation – Installation 4 inches minimum of aggregate base subgrade for asphalt bump out.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 9, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 10/JUN/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	148

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Windy	63	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue grading the site in the 2-foot and 3-foot cap areas.	ERRG	1	Project Manager	6
	Continued hauling cover material from Dry Dock 3.	ERRG	1	Superintendent	8
	Merlo onsite installing formwork.	ERRG	1	QC Manager	8
07	Continued setting forms for the monitoring well extension pads and installing	ERRG	1	H&S Manager	8
	lids.	ERRG	1	QC Staff	8
		ERRG	2	Truck Drivers	6
		ERRG	3	Equipment Operators	22
		ERRG	5	Laborers	30
		Jerico	0	Marine Subcontractor	0
		Lewis Merlo	2	Concrete Subcontractor	16
		18 Trucking	0	Bottom dump trucks	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	114
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	20571.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	20685.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
06, 07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2k Water truck	4
	Harris Blade	D6R Bulldozer-1ea	0
	Harris Blade	D-4G Bulldozer- 1ea	5
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	Cat 972 Loader	5
	ERRG	5 yard Dump Truck	4

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/10/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 10/JUN/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 148 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Windy	63	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	United Rentals	JD 210 Skip Loader	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/10/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/10/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAUL, SPREAD & COMPACT FILL, COMPACT LAYDOWN AREA BASE, FORM WELLS, RETAINING WALL SVG.

SAFETY TOPICS PRESENTED

SAFETY TOPICS TRAFFIC, HYDRATION, AWARENESS, CARE OF TOOLS

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Larry Johnson	ERRG	Larry Johnson
DAVID HASAL	ERRG	David Hasal
Rafael Loza	ERRG	Rafael Loza
Guadalupe Trujillo	ERRG	[illegible]
Sergio Aguilera	ERRG	[illegible]
[illegible]	ERRG	[illegible]
[illegible]	ERRG	[illegible]
[illegible] STALVIN	MERLO	[illegible]
Thomases Estrada	MERLO	[illegible]
Ezequiel Marquez	Merlo	Ezequiel Marquez
Liz Binning	ERRG	[illegible]
Elizabeth Creek	ERRG	[illegible]
OSCAR OROZCO	ERRG	[illegible]
Caitlin Gorman	ERRG	[illegible]
TJ APPA	ERRG	[illegible]
TIM McCORMACK	ERRG	[illegible]
Paul Ramirez	DYNARAN Const	[illegible]
Tony Ramirez		Tony Ram

Health & Safety Officer [illegible] **SUPERINTENDENT** King Bailey

SIGNATURE [illegible] **SIGNATURE** [illegible]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Client: Dept of the Navy
Day: FRIDAY
Date: 6/10/11
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Project No.: 29-141
Weather: CLOUDY
Page: 1 of 1
Site Visitors: See Tailgate Sign In Log.
Description of Field Activities:

0700 SAFETY TAILGATE - TRAFFIC, AWARENESS, CARE OF EQUIPMENT

HAULING, SPREADING, GRADING & COMPACTING FILL

SHAPING & COMPACTING LAYDOWN AREA BASE MATERIAL

FORMING WALL EXTENSIONS

COMPACTION TESTING.

ROTATING WALL SUB CONTRACTOR ROOM, SETTING FORMS.

FENCE SUB ON SITE FOR WALL PRIOR TO WORK START.

WORK DAY ENDED @ 1530

EQUIP MENT IN USE - DUMP TRUCK, END LOADER, ROLLER COMPACTOR, BULLDOZER, SKIDLOADER

Signed: Richard Epp
Date: 6/10/11

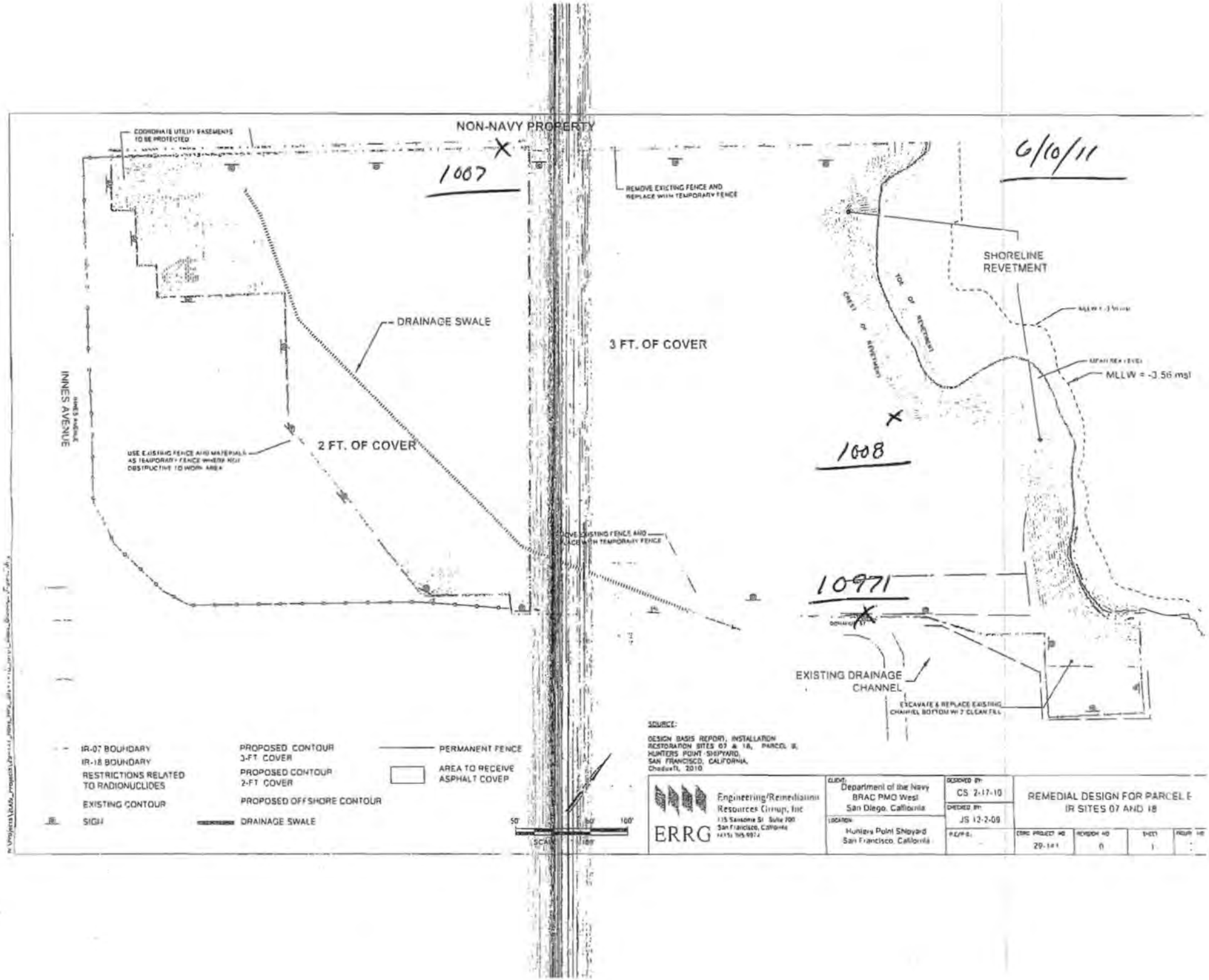
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GDP
Project Name: PARCEL B REMEDIATION
Site Location: IR-07+18, HPS
Calibration (Date and Time): 6/9/11

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10971	6/10/11	0743	0.047	0.053	
1008		0746	0.035	0.044	
1007		0758	0.056	0.059	
10971		0950	0.029	0.026	
1008		0952	0.029	0.031	
1007		0956	0.056	0.044	
10971		1118	0.044	0.031	
10971		1301	0.050	0.041	
1008		1303	0.034	0.051	
1007		1307	0.025	0.033	
1008		1500	0.210	0.170	
10971		1502	0.000	0.044	
1007		1505	—	—	DOHD


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
6/10/11
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
INNES AVENUE
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
1008
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
10971
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
IR-07 BOUNDARY
IR-18 BOUNDARY
RESTRICTIONS RELATED TO RADIONUCLIDES
EXISTING CONTOUR
SIGN
PROPOSED CONTOUR 3-FT COVER
PROPOSED CONTOUR 2-FT COVER
PROPOSED OFFSHORE CONTOUR
DRAINAGE SWALE
PERMANENT FENCE
AREA TO RECEIVE ASPHALT COVER
50'
0'
50'
100'
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL E, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, Chadwell, 2010
ERRG
Engineering/Remediation Resources Group, Inc
115 Sansome St Suite 700
San Francisco, California
(415) 788-9874
CLIENT:
Department of the Navy
BRAC PMO West
San Diego, California
LOCATION:
Hunters Point Shipyard
San Francisco, California
DESIGNED BY: CS 2-17-10
CHECKED BY: JS 12-2-09
REMEDIAL DESIGN FOR PARCEL E
IR SITES 07 AND 18
ERRG PROJECT NO 29-141
REVISION NO 0
SHEET 1

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: ERRG 2K watertruck **Identification Number:** _____

Project Number / Name: 29-141 **Rental** ☐ **ERRG** ☑

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	KM Tues 6/8			KM Wed 6/9			KM Thurs 6/10			KM Fri 6/4						
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	✓			✓			✓			✓						
Tracks			✓			✓			✓			✓				
Steps and handgrips	✓			✓			✓			✓						
Guards on moving parts?	✓			✓			✓			✓						
Engine belts and hoses	✓			✓			✓			✓						
Fluid levels acceptable?	✓			✓			✓			✓						
Loading/lifting capacity marked?	✓			✓			✓			✓						
Seat belt operative?	✓			✓			✓			✓						
Fire extinguisher present?	✓			✓			✓			✓						
Windows and mirrors unbroken?	✓			✓			✓			✓						
Gauges operative?	✓			✓			✓			✓						
Battery charged?	✓			✓			✓			✓						
Windshield wipers operative?	✓			✓			✓			✓						
Horn operative?	✓			✓			✓			✓						
Back up alarm operative?	✓			✓			✓			✓						
Lights and signals operative?	✓			✓			✓			✓						
Steering and other controls	✓			✓			✓			✓						
Brakes	✓			✓			✓			✓						

Explain corrective actions taken:
Getting hard to shift 1st to 2nd

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: DEERE 210 LE **Identification Number:** WD4M77

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects									S.A 6/9/11			S.A 6/10/11			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Tracks	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	
Steps and handgrips	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Guards on moving parts?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Engine belts and hoses	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Seat belt operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Fire extinguisher present?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	
Gauges operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Battery charged?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Windshield wipers operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	
Horn operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Back up alarm operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Lights and signals operative?	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Steering and other controls	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	
Brakes	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CAT D6N **Identification Number:** AR7W46

Project Number / Name: _____ **Rental** ☐ **ERRG** ☐

Inspected By (Initials) And Date:	SD 6/7/11			SD 6/8/11												Defect(s):
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: D6RXL **Identification Number:** M58X63

Project Number / Name: HUNTERS POINT SHIPYARD **Rental** ☐ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Tracks	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken:

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: HUNTERS POINT SHIPYARD **Identification Number:** _____

Project Number / Name: D-6 **Rental** ☒ **ERRG** ☐

Inspected By (Initials) And Date:	Heavy Equipment Defects															Defect(s):
	MON. 6-6-11			6-7-11			D-4 6-8-11 CE9A83			6-9-11			D4 CE9A83 6-10-11			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	
Tracks	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Steps and handgrips	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Guards on moving parts?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Engine belts and hoses	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	
Seat belt operative?	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Fire extinguisher present?	☒	☐	☐	☒	☐	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	
Windows and mirrors unbroken?	☒	☐	☐	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☒	
Gauges operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Battery charged?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Windshield wipers operative?	☒	☐	☐	☒	☐	☐	☐	☐	☒	☐	☒	☐	☐	☐	☒	
Horn operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Back up alarm operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Lights and signals operative?	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒	☐	☒	☐	☐	
Steering and other controls	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	
Brakes	☒	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

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DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: 972 Loader **Identification Number:** CX9U38

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:	6-7-11			6-8-11			6-9-11			6-10-11						Defect(s):
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	
Steps and handgrips	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	
Seat belt operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Gauges operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Battery charged?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Horn operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Steering and other controls	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	
Brakes	☑	☐	☐	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 10/JUN/11

REPORT NO 148

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued placing soil over the entire site in preparation for meeting final grade. Finished performing compaction tests on the lifts requiring a
	minimum compaction of 90%. Concrete subcontractor installing formwork for the cantilever and gravity wall portions of the retaining wall
	structure. Verified that activities performed conformed to the cover installation checklist.
07	Continued installation of form work and protective cover for groundwater monitoring well pads. Verified that activities performed conformed to the
	final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
06	Retested and achieved compaction in the 3rd lift in A1, A2, and B1.

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/10/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/10/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**				Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**				Ongoing.
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up				Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/10/2011

Final Grading and Seeding

Date: 06/10/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**				Fence will be delivered when the fencing subcontractors arrive onsite.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**				
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**				
Has the use of mineral oil to coat forms been disallowed?	**Follow up**				
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**				
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**				
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**				
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**				
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**				
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**				
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have post caps been installed as recommended by the manufacturer?	Follow up				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up				
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up				
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up				
Have drainage patterns been maintained as indicated on Drawings?	Follow up				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up				
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up				
Have grades been verified prior to placement of seed?	Follow up				
Are all sloped areas uniformly compacted?	Follow up				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up				
Have compaction of the final 0.5 feet of cover been tested to ensure that the compaction does not exceed the limitations as specified in Section 31 00 00 Earthwork?	Follow up				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up				
Has seed been sown according to supplies instructions?	Follow up				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	Follow up				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	Follow up				
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					
Manufacturers QC Manual					

Requirement	Phase	Yes	No	N/A	Comments
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/10/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 6/10/11	Job No.: 29-141	Project/Location: HPS IR-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 25462
Inspector: R. LOZA	Project Engineer: F. BINNING	Other:		Moisture Std: 16003
Curve No.: BS-DIA-17	Max. Density (PCF): 106.5	Min. Density (PCF):	Optimum Water (%): 18.0	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings								
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
296	225R	6"	111.5	15.4	96.1	15.0	90	A1	-0.5'
297	227R	6"	114.9	17.6	97.3	16.9	91	B1	-0.5'
298	226R	6"	112.2	16.4	95.8	15.8	90	A2	-0.5'
		Average							

Remarks: Tests 296, 297, & 298 are retests for tests 225, 227, & 226 respectively.

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/10/11	Job No. 29-141	Project/Location HPS 1R-07 & -18	Source Material Am-241 / Cs-137	Density Std. 25462
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 16003
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-50	115.2		13.5	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90 %	+/- 3 %		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
299		6"	121.4	15.6	105.8	14.7	92	A1	0
300		6"	125.2	17.1	108.1	15.8	94	B1	0
301		6"	119.2	13.2	106.0	12.4	92	B2	0
332		6"	122.5	14.8	107.7	13.7	93	G5	-0.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/10/11	Job No. 29-141	Project/Location HPS IR-07-18	Source Material Am-241 / Cs-137	Density Std. 25462
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 16003
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-57	113.0		15.4	smooth drum compactor
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
302		6"	119.9	18.1	101.8	17.8	90	C1	+0.25'
303		6"	126.1	13.9	112.2	12.4	99	D1	+0.25'
304		6"	126.5	18.2	108.3	16.8	96	D1	+0.75'
305		6"	125.9	18.7	107.2	17.4	95	J1	+0.25'
306		6"	118.7	13.7	105.0	13.0	93	I1	+0.25'
307		6"	119.6	14.3	105.3	13.6	93	H1	+0.25'
308		6"	122.9	18.6	104.3	17.8	92	I2	+0.25'
309		6"	120.7	18.8	101.9	18.4	90	H2	+0.25'
310		6"	127.1	17.8	109.3	16.3	97	G2	+0.25'
311		6"	117.5	14.4	103.1	14.0	91	G3	+0.25'
312		6"	119.3	13.5	105.8	12.8	94	G3	+0.75'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/10/11	Job No. 29-141	Project/Location HPS IR-07+-18	Source Material Am-241 / Cs-137	Density Std. 25462
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 16003
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-57	113.0		15.4	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
313		6"	118.4	16.0	102.4	15.6	91	H1	+0.75'
314		6"	128.6	17.5	111.1	15.8	98	I1	+0.75'
315		6"	123.2	14.8	108.4	13.7	96	J1	+0.75'
335		6"	124.1	17.9	106.2	16.9	94	L5	+1.5'
336		6"	122.3	15.0	107.3	14.0	95	L6	+1.5'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 6/10/11	Job No.: 29-141	Project/Location: HPS IR-07+-18	Source Material: Am-241 / Cs-137	Density Std.: 25462
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16003
Curve No.: BS-DIA-4"	Max. Density (PCF): 105.0	Min. Density (PCF):	Optimum Water (%): 15.5	Equipment in Use: smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings								
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
316		6"	117.6	16.1	101.5	15.8	97	L6	-0.25'
317		6"	115.8	14.9	100.9	14.1	96	L5	-0.25'
324		6"	107.2	12.9	94.3	13.6	90	K5	-0.25'
325		6"	109.3	13.4	95.9	13.9	90	J6	-0.75'
326		6"	115.1	17.8	97.3	17.1	92	I6	-0.75'
327		6"	117.9	17.6	100.3	16.9	95	H6	-0.75'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG
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Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/10/11	Job No. 29-141	Project/Location HPS IR-07+-18	Source Material Am-241 / Cs-137	Density Std. 25462
Inspector R. LOZA	Project Engineer E. BINNING	Other		Moisture Std 16003
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-54	112:1		14.5	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
90%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
318		6"	119.7	16.4	103.3	15.9	92	M7	-0.5'
319		6"	124.8	17.4	107.4	16.2	96	L7	-0.5'
320		6"	125.7	14.8	110.9	13.3	99	K7	-0.5'
321		6"	117.6	14.4	103.2	14.0	92	J7	-0.5'
322		6"	115.4	14.3	101.1	14.1	90	L5	+0.25'
323		6"	118.1	15.4	102.7	15.0	92	L6	+0.25'
328		6"	127.3	18.0	109.3	16.4	98	J6	-0.25'
329		6"	119.7	13.6	106.1	12.8	95	I6	-0.25'
330		6"	122.4	13.8	108.6	12.7	97	H6	-0.25'
331		6"	120.3	17.6	102.7	17.1	92	G6	-0.25'
333		6"	116.7	15.6	101.1	15.4	90	F6	+1.5'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

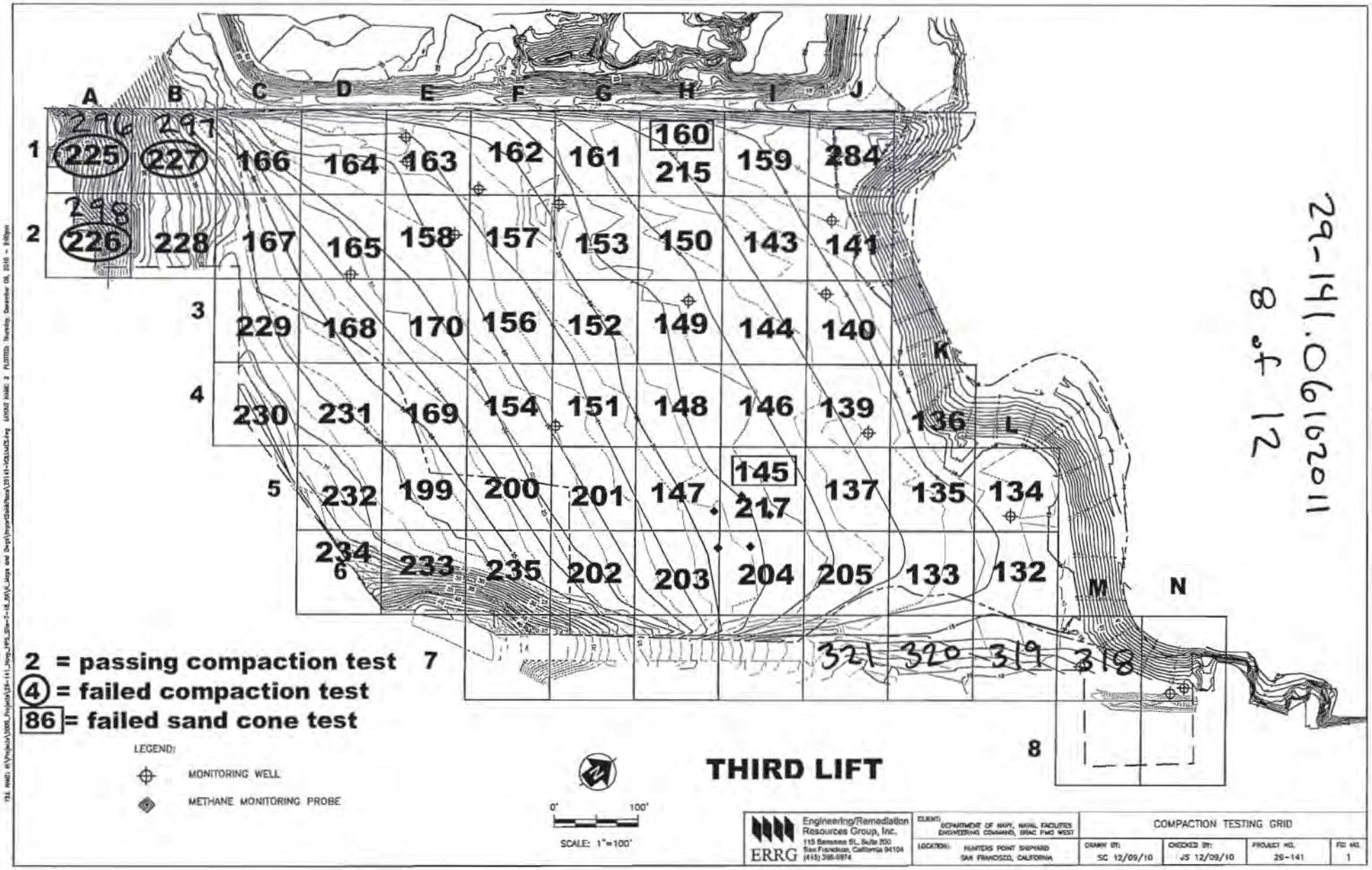
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time: 6/10/11	Job No.: 29-141	Project/Location: HPS IR-07-18	Source Material: Am-241 / Cs-137	Density Std.: 25462
Inspector: R. LOZA	Project Engineer: E. BINNING	Other:		Moisture Std: 16003
Curve No.: BS-DIA-54	Max. Density (PCF): 112.1	Min. Density (PCF):	Optimum Water (%): 14.5	Equipment in Use: Smooth drum roller
Specified % Compaction: 90%	Specified % Water: +/- 3%		Lab Test Method: ASTM D-1557	Field Test Method: ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
334		6"	125.4	14.0	111.4	12.6	99	E6	+1.5
	Average								

Remarks: _____

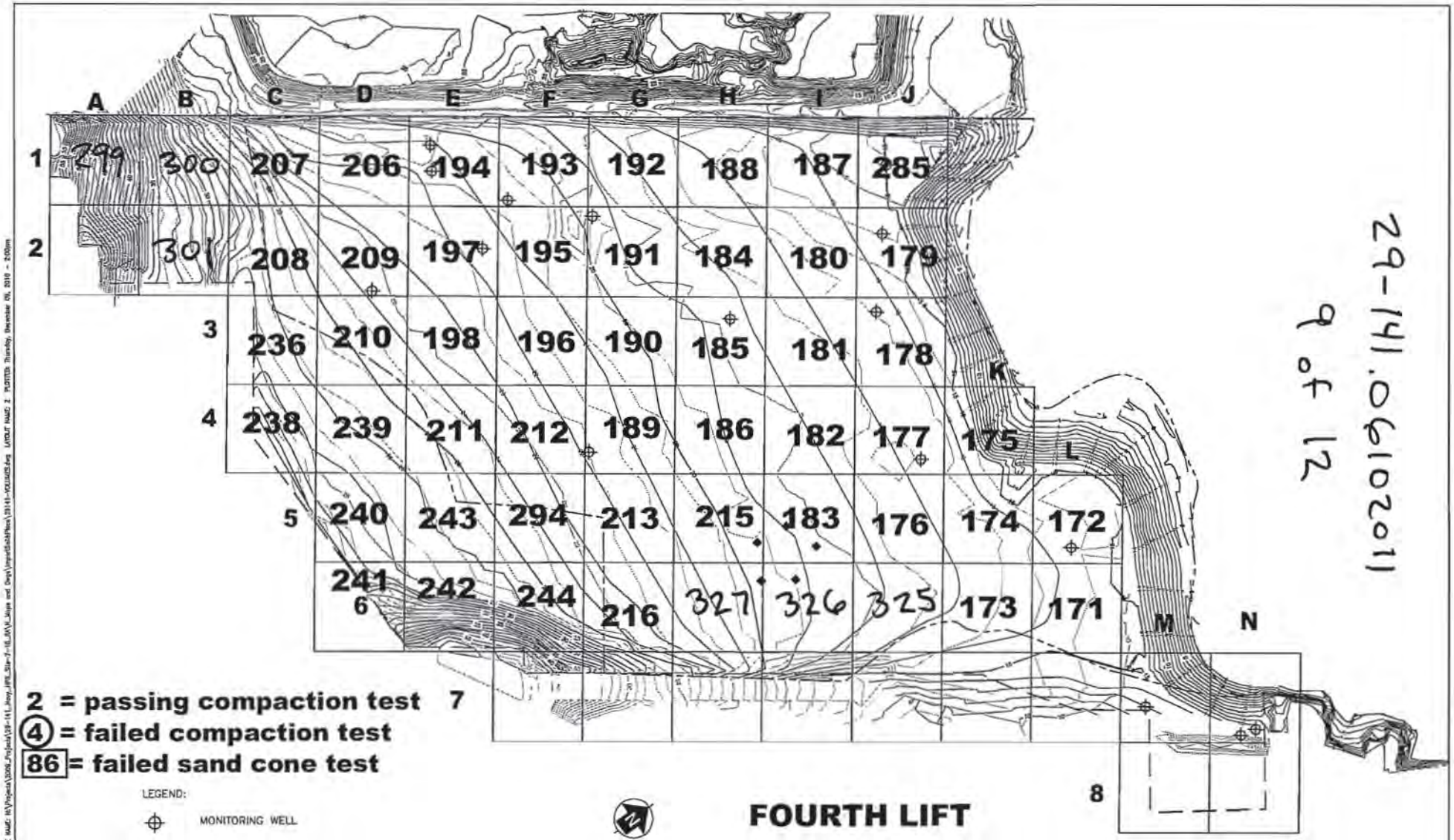
Inspector: _____ Reviewed: _____



29-141.06\02011

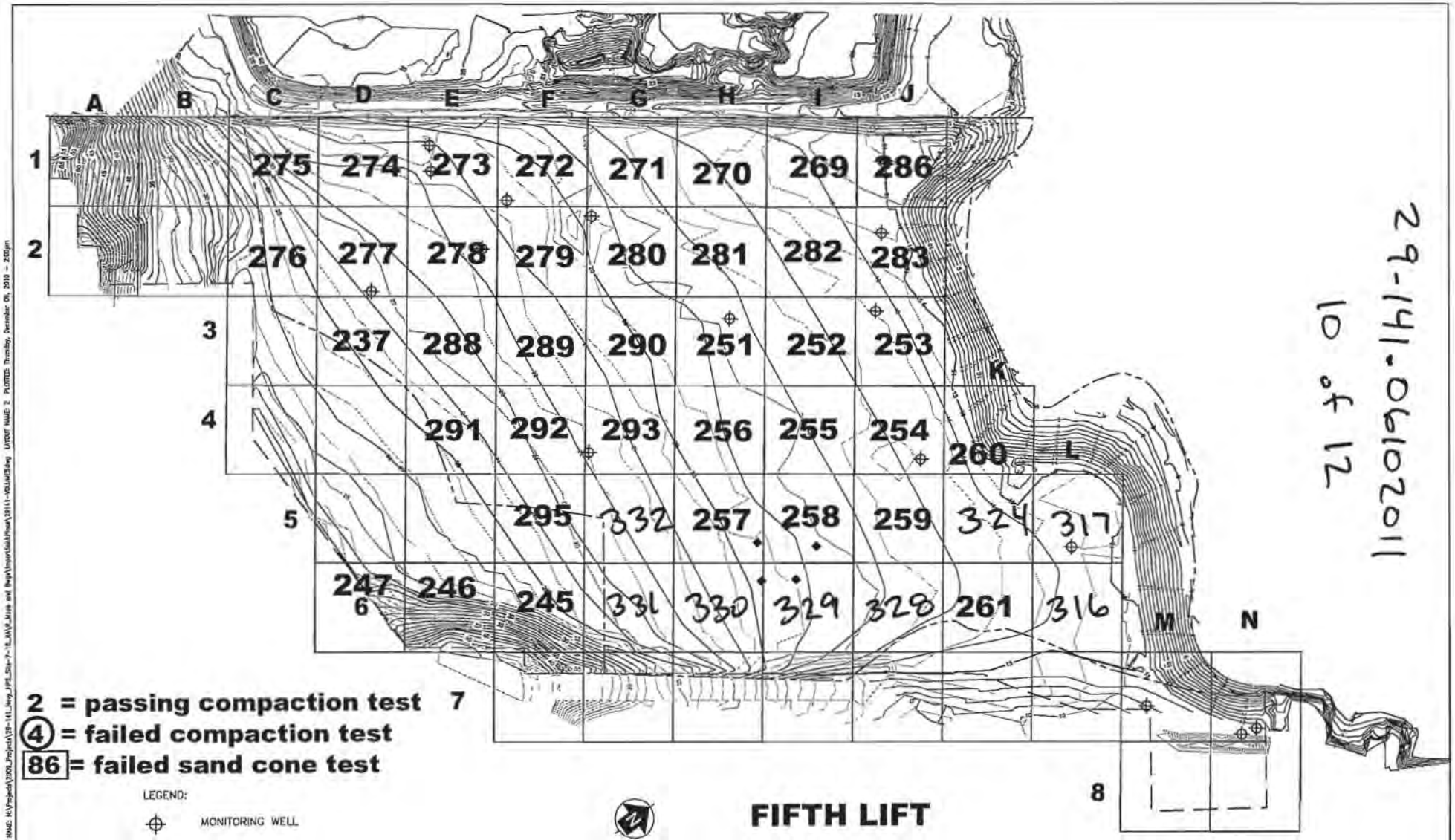
21 of 12

Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 398-8874 ERRG	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, EFAC PWD WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141
				FIG NO. 1



29-141.06102011
9 of 12

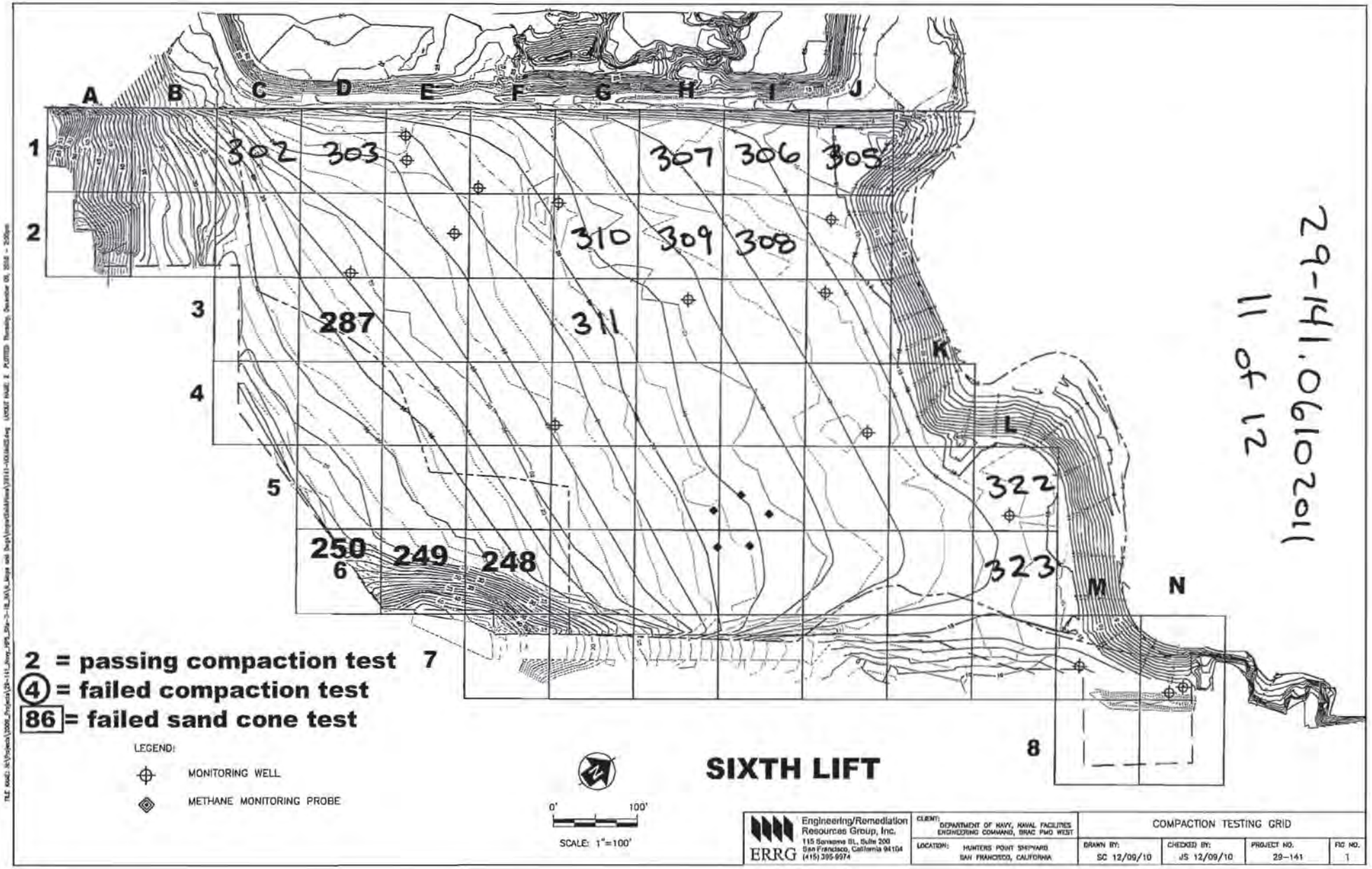
ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-0974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1



29-141-06102011

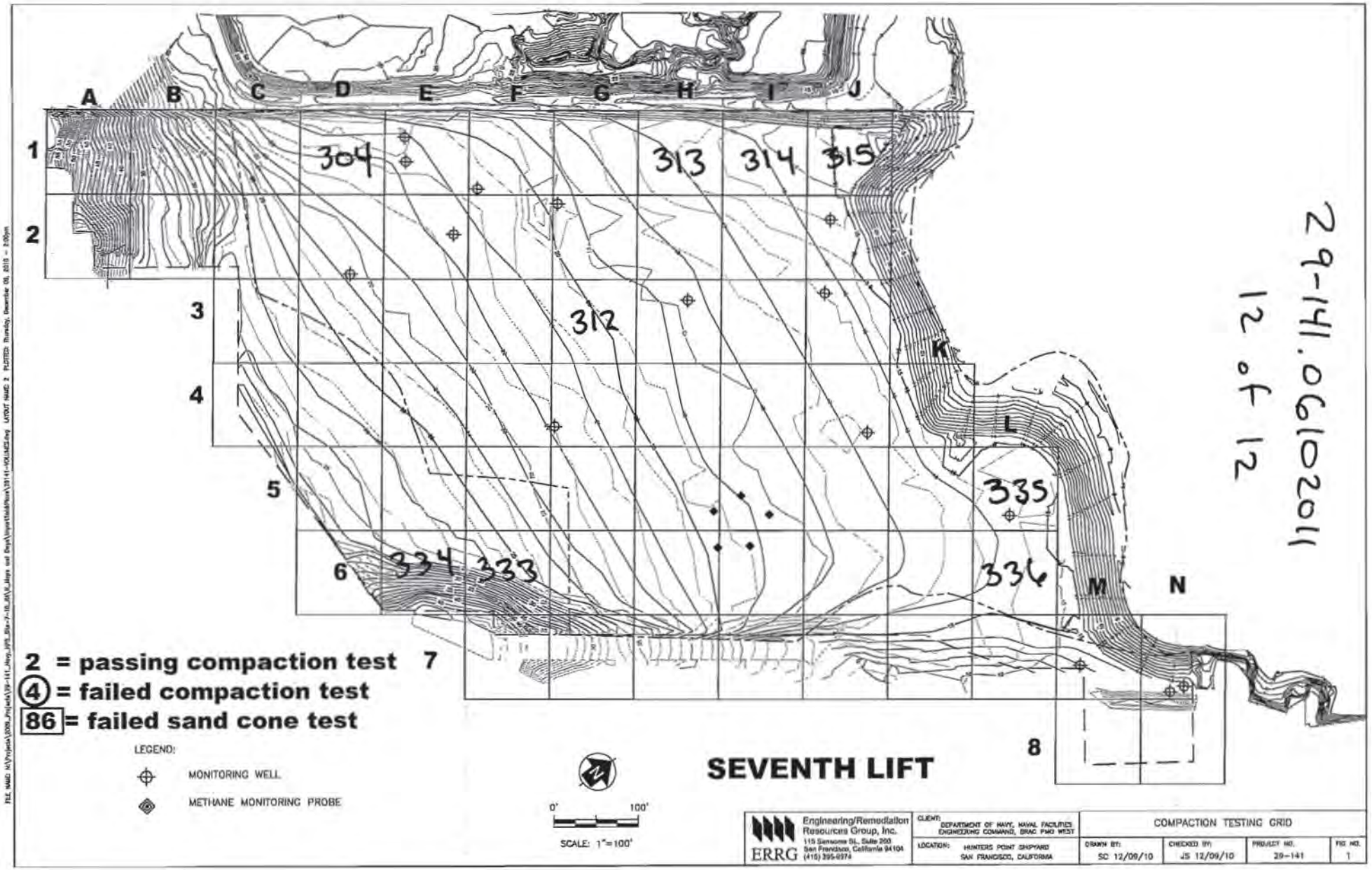
21 of 12

Engineering/Remediation Resources Group, Inc. 115 Sansome St, Suite 200 San Francisco, California 94104 (415) 395-9974 ERRG	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/06/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141 / FIG NO. 1



29-141.06102011
11 of 12

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1



29-141.06102011
12 of 12

Engineering/Remediation Resources Group, Inc. ERRG 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-0974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141

FIG NO. 1

Moisture Content and Sand Cone Samples

Prepared by: R. LOZA
Project Name: HPS IR-07 & -18 RA
Site Location: San Francisco, CA

Date: 6/10/11
Project No.: 29-141
Page: 1 of 1

Sample ID	Compaction Test No.	Grid Location	Lift	Nuclear Gauge Moisture Content	Initial Weight (g)	Final Weight (g)
HPS-MC-26	316	L6	5th	15.8	7224	2432

Photo 1: Cover Installation – Placement of additional soil lifts near the southern perimeter of the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 10, 2011

Photo 2: Cover Installation – Installation of formwork around the cantilever and gravity wall portions of the retaining wall.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 10, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 13/JUN/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	149

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Windy	64	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Graded drainage channel. Spread and compact AB for bump out.	ERRG	1	Project Manager	6
	Continue installing retaining wall. Continue grading site (6" vegetative layer).	ERRG	1	Superintendent	9
	Merlo onsite installing formwork.	ERRG	1	QC Manager	9
07	Finished setting forms for the monitoring well extension pads and installing	ERRG	1	SSHO	9
	lids.	ERRG	1	QC Staff	8
		ERRG	0	Truck Drivers	0
		ERRG	2	Equipment Operators	16
		ERRG	1	Laborers	8
		Jerico	0	Marine Subcontractor	0
		Lewis Merlo	2	Concrete Subcontractor	16
		Espinosa Survey	1	Surveyor	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	89
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	20685.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	20774.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06, 07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2k Water truck	0
	Harris Blade	D6R Bulldozer-1ea	0
	Harris Blade	D-4G Bulldozer- 1ea	4
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	Cat 972 Loader	8
	ERRG	5 yard Dump Truck	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/13/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/13/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK GRADING, HAND TRENCHING, SURVEYORS, RETAINING WALL SUB., MOVE AIR MONITOR

SAFETY TOPICS PRESENTED

SAFETY TOPICS USE EQUIPMENT WHEN POSSIBLE - SAVE YOUR BACK, SURVEYORS ON GROUND.

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
VICENTE VALENCIA	ERRG	Vicente Valencia
GUADALUPE TRUJILLO	ERRG	Guadalupe Trujillo
DAVID HASAL	ERRG	David Hasal
Elizabeth Creek	ERRG	[illegible]
PAT CTALNIH.	MERLO	[illegible]
IVAN Gutierrez	Merlo	IVAN Gutierrez
Liz Binning	ERRG	[illegible]
JUAN LOVATO	ESP	[illegible]
TY APPL	ERRG	[illegible]
JOHN SOURIAL	ERRG	[illegible]

Health & Safety Officer DICK EPP

SIGNATURE [signature]

SUPERINTENDENT King Bailey

SIGNATURE [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: MONDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: OVERCAST
Site Visitors: See Tailgate Sign In Log.
Client: Dept of the Navy
Date: 6/13/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE — USE EQUIPMENT WHEN POSSIBLE - SAVE YOUR BACK, SURVEYORS ON GROUND.

GRADING AREAS AS NECESSARY.

REINFORCING RETAINING WALL SUB ON SITE.

SURVEYORS ON SITE

WORK DAY ENDED AT 1530.

EQUIPMENT IN USE - END LOADER, BULLDOZER, ROLLER COMPACTOR

Signed: [signature] Date: 6/13/11

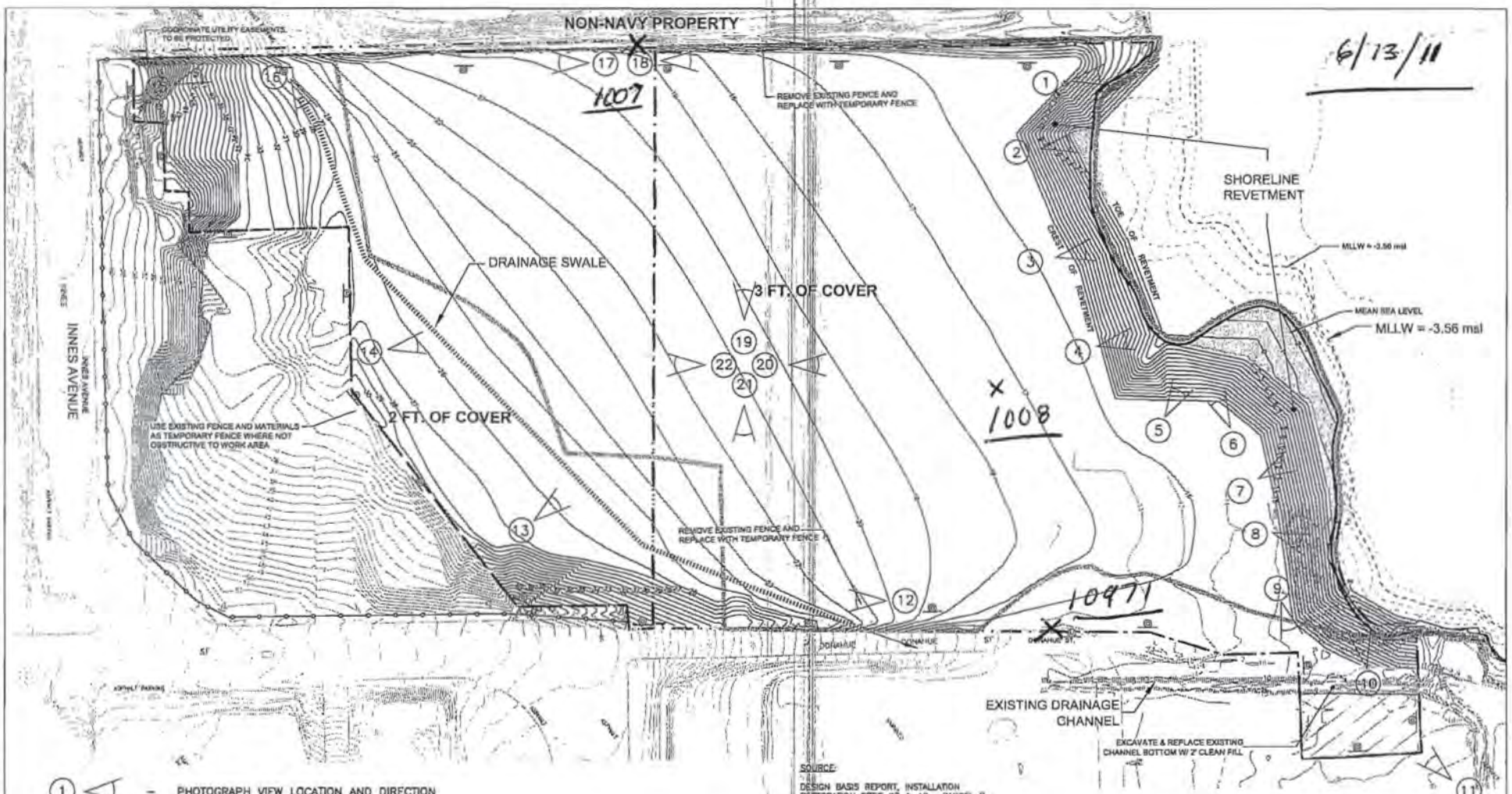
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GDP
Project Name: REMEDIATE PARCEL B
Site Location: IR-07 & IR, HPS
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-131
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument conc ~~PID~~	~~DataRAM~~	Comments
10971	6/13/11	0753	0.076	0.078	
1008		0755	0.027	0.025	
1007		0759	0.000	0.000	
10971		0900	—	—	OFF
10971		0905	0.023	0.037	CHANGED BATTERY
1008		0907	0.010	0.015	
1007		0910	0.000	0.000	
10971		1410	0.036	0.029	
1008		1112	0.012	0.012	
10971		1255	0.054	0.020	
1008		1257	0.013	0.011	
1007		1300	0.000	0.000	
1007		1500	0.000	0.000	
1008		1503	0.022	0.011	
10971		1505	—	—	DONE



1 - PHOTOGRAPH VIEW LOCATION AND DIRECTION

NOTE:

PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.

SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChoduxTL, 2010

50' 0 50' 100'

SCALE: 1" = 100'

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California (415) 395-5974	CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 06/17/10	VIEW LOCATION MAP			
	LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 06/17/10				
		P.E/P.G.: -	ERRG PROJECT NO. 29-141	REVISION NO. 0	SHEET 1	FIGURE NO. 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 13/JUN/11

REPORT NO 149

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Placed aggregate base in bump out and started compacting material. Started fine grading the drainage channel in preparation for installation
	of the drain rock and check dams. Concrete subcontractor installing formwork for the cantilever and gravity wall portions of the retaining wall
	structure. Verified that activities performed conformed to the cover installation checklist.
07	Finished installation of form work and protective cover for groundwater monitoring well pads for all wells except for IR07MW20A1 (to be formed later).
	Verified that activities performed conformed to the final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/13/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 13/JUN/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	149 cont.

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Windy	64	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	United Rentals	JD 210 Skip Loader	0
	Harris Blade	84" Smooth Drum Compactor - 1 ea	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/13/11 — DATE

Cover Installation

Date: 06/13/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**	**X**			Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that do not meet this requirement will be retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that do not meet this requirement will be retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**	**X**			
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up	X			Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/13/2011

Final Grading and Seeding

Date: 06/13/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**				Fence will be delivered when the fencing subcontractors arrive onsite.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**				
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**				
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**				
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**				
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**				
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**				
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**				
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**				
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have post caps been installed as recommended by the manufacturer?	**Follow up**				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	**Follow up**				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	**Follow up**				
Have gates been installed to allows gate to swing open at least 135 degrees?	**Follow up**				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	**Follow up**				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	**Follow up**				
Has waste fencing materials and other debris been removed from the site?	**Follow up**				
Have new surfaces been blended to existing areas?	**Follow up**				
Have drainage patterns been maintained as indicated on Drawings?	**Follow up**				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	**Follow up**				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	**Follow up**				
Are all areas to receive seed are free of vegetation and other objectionable material?	**Follow up**				
Have grades been verified prior to placement of seed?	**Follow up**				
Are all sloped areas uniformly compacted?	**Follow up**				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	**Follow up**				
Have compaction of the final 0.5 feet of cover been tested to ensure that the compaction does not exceed the limitations as specified in Section 31 00 00 Earthwork?	**Follow up**				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	**Follow up**				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	**Follow up**				
Has seed been sown according to supplies instructions?	**Follow up**				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	**Follow up**				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	**Follow up**				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	**Follow up**				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	**Follow up**				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	**Follow up**				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**				
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					
Manufacturers QC Manual					

Requirement	Phase	Yes	No	N/A	Comments
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/13/2011

Photo 1: Cover Installation – Installation of formwork around the cantilever and gravity wall portions of the retaining wall.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 13, 2011

Photo 2: Cover Installation – Compaction of the aggregate base in the bump out area and preparation of the drainage swale to receive drain rock.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 13, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 14/JUNE/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	150

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Warm	Sunny / Windy	74	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue grading site (6" vegetative layer). Barge offloading material.	18 Truccking	4	Truck Drivers	32
	Pouring concrete for retaining wall. Spread and compact AB for bump out.	ERRG	1	Superintendent	10
07	Pouring concrete for monitioring wells.	ERRG	1	QC Manager	10
		ERRG	1	SSHO	10
		ERRG	1	QC Staff	8
		ERRG	1	Truck Drivers	6.5
		ERRG	2	Equipment Operators	16
		ERRG	2	Laborers	10.5
		Jerico	3	Marine Subcontractor	30
		Lewis Merlo	3	Concrete Subcontractor	24
		Espinosa Survey	1	Surveyor	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	165
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	20774.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	20939.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06, 07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
06	24a	Cover soil from Decker Island Aggregates

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06	ERRG	2k Water truck	6.5
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	D-4G Bulldozer- 1ea	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	Cat 972 Loader	8
	ERRG	5 yard Dump Truck	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/14/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 14/JUNE/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 150 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Warm	Sunny / Windy	74	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	United Rentals	JD 210 Skip Loader	2
	Harris Blade	84" Smooth Drum Compactor - 1 ea	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/14/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/14/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK HAULING, SPREADING + COMPACTING FILL, RETAINING WALL SUB POURING CONCRETE.

SAFETY TOPICS PRESENTED

SAFETY TOPICS TRAFFIC!

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
DAVID HASAL	ERRG	David Hasal
VICENTE VALENCIA	ERRG	Vicente Valencia
Guadalupe Trujillo	ERRG	Guadalupe Trujillo
Sergio Aguilera	ERRG	Sergio Aguilera
Ken Mark	ERRG	[illegible]
HARINDER	ERRG	[illegible]
KARMJIT	~~ERRG~~ GS Tire Jr	[illegible]
[illegible]	Bach Tire Jr	[illegible]
Danny Anchan	DMA	[illegible]
PAT GALVIN	[illegible]	[illegible]
LIZ BINNING	ERRG	[illegible]
DAVID LOWTH	DAVE PUMPING	David Lowth
Matthew Barnes J.	Smith Emery	[illegible]
Elizabeth Creek	ERRG	[illegible]
Juan Lovato	ESP	[illegible]

Health & Safety Officer DICK EPP **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	TUESDAY	Date:	6/14/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	OVERCAST	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE – TRAFFIC, TRUCKS HAULING DIRT, CONCRETE POUR & BULLDOZERS IN SAME GENERAL AREA

HAULING, SPREADING, GRADING & COMPACTING FILL.

ROTATING WITH CONTRACTOR POURING CONCRETE.

SURVEYOR ON SITE.

POURED WELL EXTENSION CAPS, ONE REMAINS.

WORK DAY COMPLETED @ 1530

EQUIPMENT AT SITE – 4 BELLY DUMP TRUCKS, END LOADER, 2 BULLDOZERS ROLLER COMPACTOR, WATER TRUCK, CONCRETE TRUCK, CONCRETE PUMP

Signed: Richard Epp Date: 6/14/11

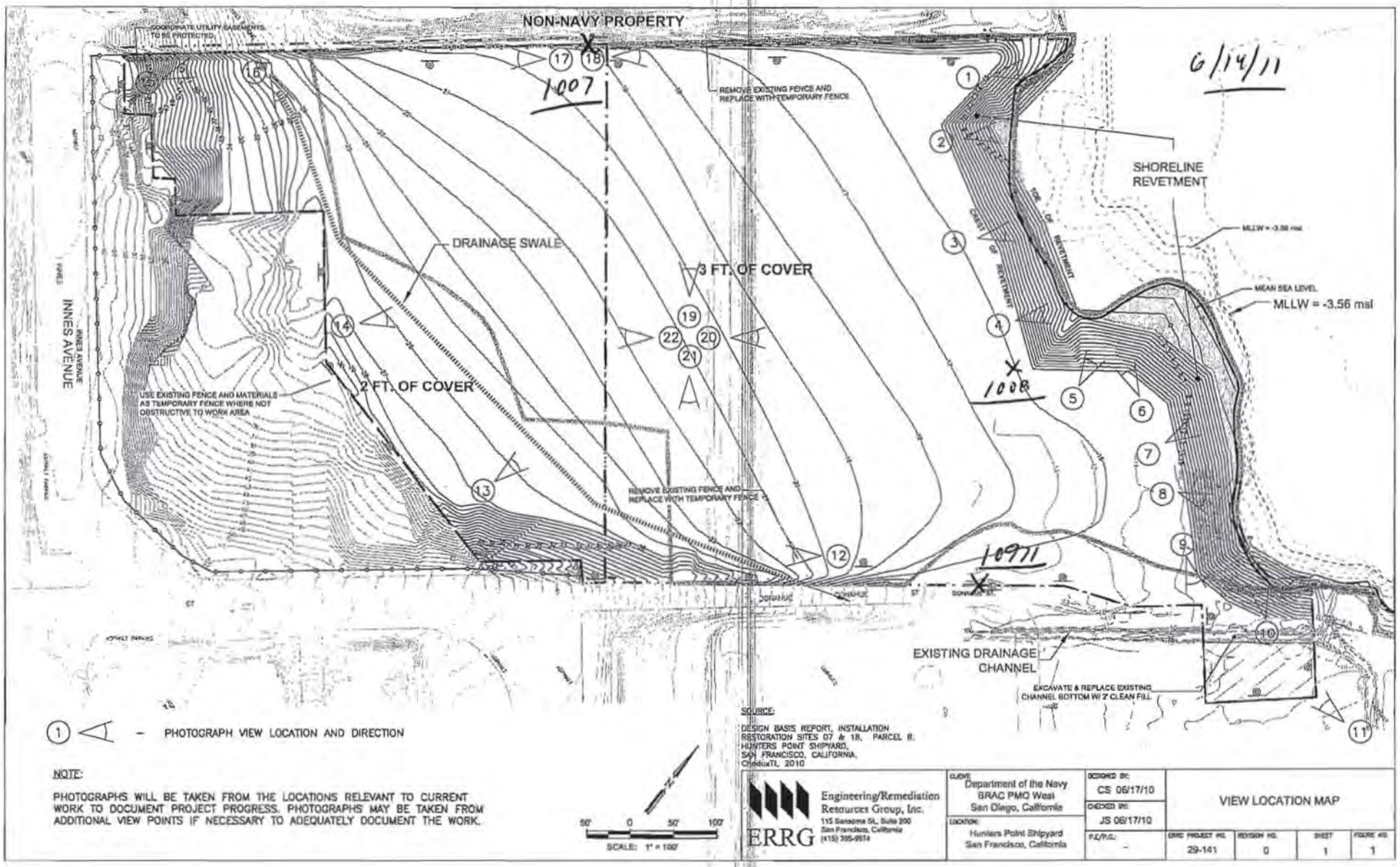
AIR MONITORING LOG SHEET

ERRG

Prepared by: Dick Epp
Project Name: Remediate Parcel B
Site Location: IR-07 #18, HPS
Calibration (Date and Time): 6/14/11 @ 0800 # 10971

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used: Air Bag

Location	Date	Time	Instrument: Conc ~~PID~~	Instrument: TWA ~~DataRAM~~	Comments
10971	6/14/11	0748	0.109	0.130	Needs recal.
1008		0750	0.043	0.042	
1007		0754	0.000	0.000	Blew into motor OK
10971		0806	0.012	0.016	Recalibrated
10971		0904	0.024	0.016	
1008		0906	0.045	0.043	
1007		0910	0.000	0.000	
1007		1047	0.000	0.000	
1008		1230	0.039	0.042	
1008		1435	0.041	0.044	
1007		1448	0.000	0.000	
1008		1452	0.036	0.044	
10971		1500	—	—	Dead



① ◁ – PHOTOGRAPH VIEW LOCATION AND DIRECTION

NOTE:

PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.

SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, CH2MHILL, 2010

50' 0 50' 100'

SCALE: 1" = 100'

ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome St, Suite 200
San Francisco, California
(415) 395-9974

CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 06/17/10	VIEW LOCATION MAP		
LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 06/17/10			
P.E./P.G.: -	ERRG PROJECT NO. 29-141	REVISION NO. 0	SHEET 1	FIGURE NO. 1

ERRG

HAULING + PLACING FILL
RETAINING WALL

Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18

AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	King Baley	[signature]	6-14-2011 0:00
Site Safety Officer:	DICK EPP	[signature]	6/14/11 0700
Employee(s):	DAVID HASAL	[signature]	6-14-11 700
	VICENTE VALENCIA	[signature]	6/14/11 7:00
	Guadalupe Trevillo	[signature]	6/14/11 7:00
	Sergio Aguilera	[signature]	6/14/11 7:00
	Ken Mark	[signature]	6/14/11 700
	KARMJITSINGH	[signature]	6-14-11 . 7.00
	Mohinder	[signature]	6-14-11 : 7:00
	Danny Anchor	[signature]	6-14-11 7:00
	HARINDER	[signature]	6-14-11 . 700
	PAT GALVIN	MERLO	6-14-11 7.00
	Liz Binning	[signature]	6/14/11 0700
	Juan Lovato	[signature]	6/14/11 7:00

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 14/JUN/11

REPORT NO 150

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued importing soil from Decker Island Aggregates by barge. Started spreading final 6-inch vegetative layer lift. Concrete subcontractor
	pouring concrete for the gravity and retaining wall portions of the retaining wall structure. Finished installation of the aggregate base in the bump
	out. Verified that activities performed conformed to the cover installation checklist.
07	Poured and finished concrete for groundwater monitoring well pads for all wells except for IR07MW20A1 (to be formed later). Installed well
	demarcation flags. Verified that activities performed conformed to the final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/14/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/14/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**	**X**			Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**	**X**			
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up	X			Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/14/2011

Final Grading and Seeding

Date: 06/14/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**				Fence will be delivered when the fencing subcontractors arrive onsite.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**				
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**				
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**				
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**				
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Have post caps been installed as recommended by the manufacturer?	**Follow up**				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	**Follow up**				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	**Follow up**				
Have gates been installed to allows gate to swing open at least 135 degrees?	**Follow up**				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	**Follow up**				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	**Follow up**				
Has waste fencing materials and other debris been removed from the site?	**Follow up**				
Have new surfaces been blended to existing areas?	**Follow up**				
Have drainage patterns been maintained as indicated on Drawings?	**Follow up**				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	**Follow up**				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	**Follow up**				
Are all areas to receive seed are free of vegetation and other objectionable material?	**Follow up**				
Have grades been verified prior to placement of seed?	**Follow up**				
Are all sloped areas uniformly compacted?	**Follow up**				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	**Follow up**				
Have compaction of the final 0.5 feet of cover been tested to ensure that the compaction does not exceed the limitations as specified in Section 31 00 00 Earthwork?	**Follow up**				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	**Follow up**				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	**Follow up**				
Has seed been sown according to supplies instructions?	**Follow up**				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	**Follow up**				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	**Follow up**				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	**Follow up**				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	**Follow up**				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	**Follow up**				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**				
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					
Manufacturers QC Manual					

Requirement	Phase	Yes	No	N/A	Comments
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/14/2011

Photo 1: Cover Installation – Pumping concrete into the retaining wall formwork.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 14, 2011

Photo 2: Cover Installation – Spreading final 6-inch vegetative layer to meet grade
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 14, 2011

Photo 3: Final Grading and Seeding – Placement and finishing of concrete for the monitoring well pads.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 14, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 15/JUNE/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 151

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Warm	Sunny / Windy	71	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue grading site (6" vegetative layer). Pulled the formwork on the	ERRG	1	Project Manager	6
	retaining wall.	ERRG	1	Superintendent	10
07	Pulled forms from monitoring well pads. Started installation of the permanent	ERRG	1	QC Manager	10
	fence. Removed the rumble boxes and started regrading entrance to the site.	ERRG	1	SSHO	10
		ERRG	1	QC Staff	8
		ERRG	1	Truck Drivers	8
		ERRG	3	Equipment Operators	24
		ERRG	1	Laborers	8
		Dynoram		Fencing Subcontractor	16
		Merlo		Concrete Subcontractor	16
		Espinosa Survey		Surveyor	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	124
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	20939.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	21063.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
06, 07	Tailgate safety briefing, equipment inspections

■ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
07	029	Fence posts

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06, 07	ERRG	2k Water truck	8
	Harris Blade	D6R Bulldozer-1ea	8
	Harris Blade	D-4G Bulldozer- 1ea	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	Harris Blade	Cat 972 Loader	8
	ERRG	5 yard Dump Truck	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/15/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 15/JUNE/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 151 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Warm	Sunny / Windy	71	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	United Rentals	JD 210 Skip Loader	0
	Harris Blade	84" Smooth Drum Compactor - 1 ea	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/15/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/15/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK GRADE SITE, STRIP FORMS FROM RETAINING WALL, FENCE SUB ON SITE, SURVEYOR

SAFETY TOPICS PRESENTED

SAFETY TOPICS LOTS OF LOCATION CHANGING BY EVERYBODY., STAY HYDRATED

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Dauzo Hasal	ERRG	Dauzo Hasal
Vicente Valencia	ERRG	Vicente Valencia
Guadalupe Trujillo	ERRG	Guadalupe Trujillo
Sergio Aguilera	ERRG	Sergio Aguilera
Elizabeth Creel	ERRG	[illegible]
Kevin Mark	ERRG	K Mark
Juan Loreto	ESP	[illegible]
[illegible]	ERRG	[illegible]
Pat Stalvik	Merlo	[illegible]
Dan Gutierrez	Merlo	Dan Gutierrez
[illegible]	ERRG	[illegible]
Marylou Cutaia	Marsh	M Cutaia
Angelina Kazmir	Travelers	[illegible]
Antonio Ramirez	Dynaram Const	Antonio Ramirez
~~Paul Ramirez~~ Paul Ramirez	Dynaram Const	Paul Ramirez
Erasmo Soto	Dyna Ram Const	Erasmo Soto
Albert P Ramirez	Dyna Ram	[illegible]

Health & Safety Officer Dick Epp **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: WEDNESDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 6/15/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE - ACTIVITY MOVEMENT AROUND SITE, NON SUB - FENCE CONTR.

GRADING SITE

SURVEYOR ON SITE

RETAINING WALL SUB STRIPPING FORMS

CLEANUP OF OFF-SITE HAUL ROAD AREAS

FENCE CONTRACTOR ON SITE

END OF WORK DAY SHUTDOWN @ 1530

EQUIPMENT IN USE: 2 BULLDOZERS, END LOADER, WATER TRUCK

Signed: [signature]

Date: 6/15/11

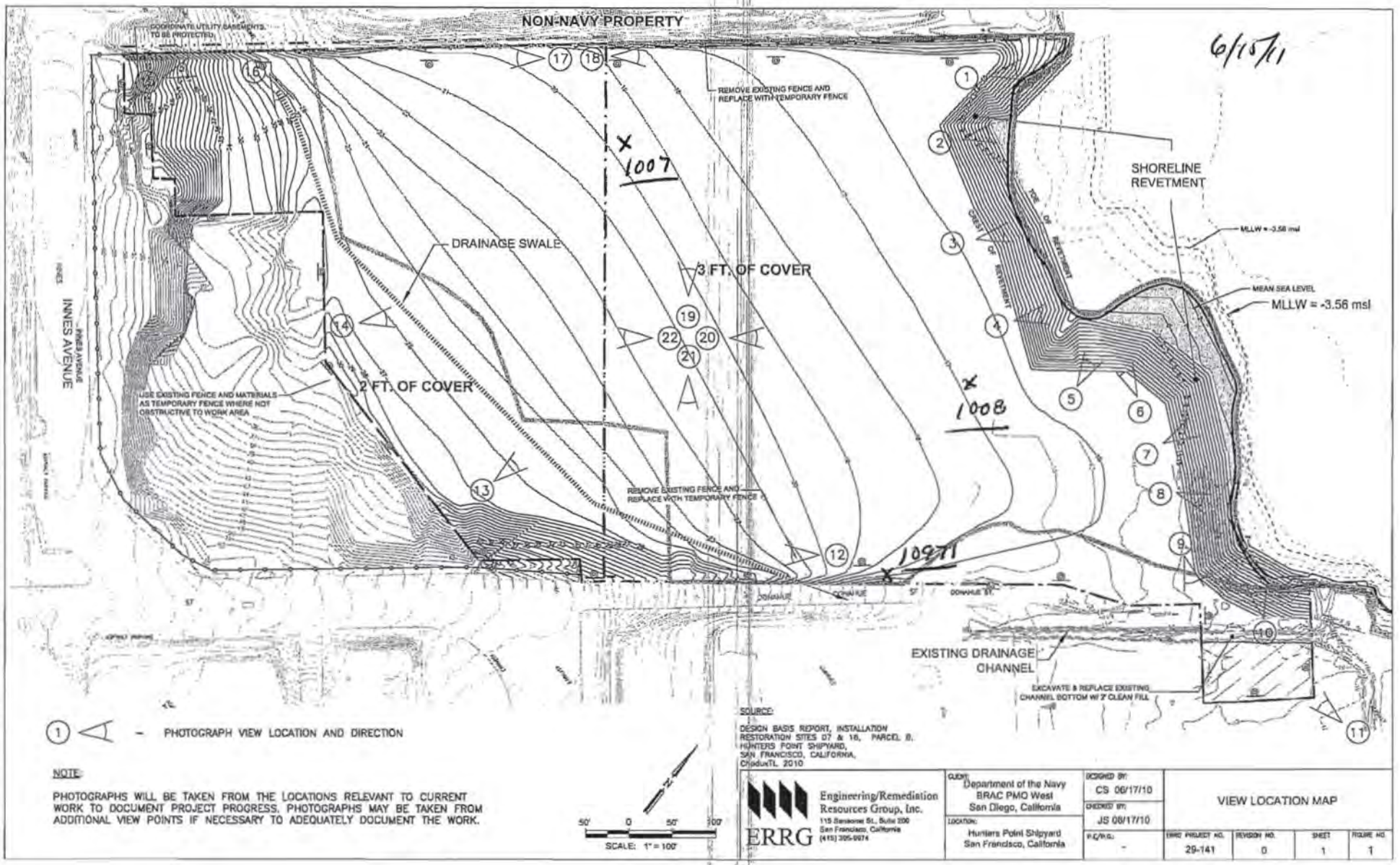
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GOP
Project Name: REMEDIATION PARCEL B
Site Location: IR-07+18, HPS
Calibration (Date and Time):

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BIG

Location	Date	Time	Instrument CONC ~~PID~~	Instrument TUA ~~DataRAM~~	Comments
10971	6/15/11	0740	0.088	0.092	
1008		0744	0.088	0.086	
1007		0748	0.015	0.014	
10971		0855	0.086	0.092	
1008		0859	0.082	0.088	
1008		1045	0.084	0.085	
1007		1048	0.003	0.010	
10971		1059	0.075	0.086	
10971		1245	—	—	DEAD
10971		1249	0.051	0.056	REPL. BATTERY
1008		1253	0.065	0.076	
1007		1256	0.004	0.008	
10971		1407	0.073	0.099	
1008		1409	0.030	0.077	
1007		1412	0.015	0.010	
1007		1501	0.027	0.012	
1008		1503	0.031	0.079	
10971		1506	0.048	0.210	



6/15/11

NOTE:

PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.

SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 16, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, CH2MHILL 2010

ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-0974

CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 06/17/10	VIEW LOCATION MAP	
LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 06/17/10		
P.C./N.C.: -	ERRG PROJECT NO.: 29-141	REVISION NO.: 0	SHEET: 1
			FIGURE NO.: 1

PERMANENT FENCE INSTALLATION

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	King Bailey		6-15-11 10:10 AM
Site Safety Officer:	Dick Gipp		6-15-11 10:20
Employee(s):	Antonio Ramirez	Antonio Ramirez	6-15-11 10:20
	Albert P Ramirez		6/15/11 10:20
	Erasmo Soto	Erasmo	6/15/11 10:20
	Paul Ramirez	Paul	6-15-11 10:20

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 15/JUN/11

REPORT NO 151

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued spreading final 6-inch vegetative layer lift. Concrete subcontractor pulled the formwork for retaining wall structure and cleaned
	up their workspace. Verified that activities performed conformed to the cover installation checklist.
07	Pulled the formwork around the concrete groundwater monitoring well pads for all wells except for IR07MW20A1 (to be formed later). Started
	installation of the posts for the permanent fence. Removed rumble box at site entrance and started regrading the area to promote drainage.
	Verified that activities performed conformed to the final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/15/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/15/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**	**X**			Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**	**X**			
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up	X			Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/15/2011

Final Grading and Seeding

Date: 06/15/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**				
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**				
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				
Have post caps been installed as recommended by the manufacturer?	**Follow up**				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	**Follow up**				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	**Follow up**				
Have gates been installed to allows gate to swing open at least 135 degrees?	**Follow up**				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	**Follow up**				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	**Follow up**				
Has waste fencing materials and other debris been removed from the site?	**Follow up**				
Have new surfaces been blended to existing areas?	**Follow up**				
Have drainage patterns been maintained as indicated on Drawings?	**Follow up**				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	**Follow up**				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	**Follow up**				
Are all areas to receive seed are free of vegetation and other objectionable material?	**Follow up**				
Have grades been verified prior to placement of seed?	**Follow up**				
Are all sloped areas uniformly compacted?	**Follow up**				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	**Follow up**				
Have compaction of the final 0.5 feet of cover been tested to ensure that the compaction does not exceed the limitations as specified in Section 31 00 00 Earthwork?	**Follow up**				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	**Follow up**				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	**Follow up**				
Has seed been sown according to supplies instructions?	**Follow up**				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	**Follow up**				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	**Follow up**				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	**Follow up**				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	**Follow up**				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	**Follow up**				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**				
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					
Manufacturers QC Manual					

Requirement	Phase	Yes	No	N/A	Comments
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/15/2011

Photo 1: Cover Installation – Pulling formwork from the retaining wall.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 15, 2011

Photo 2: Cover Installation – Finished retaining wall.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 15, 2011

Photo 3: Final Grading and Seeding – Removal of the formwork and concrete waste from around the monitoring well pads.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 15, 2011

Photo 4: Final Grading and Seeding – Removal of the rumble boxes

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 15, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 16/JUNE/11	REPORT NO: 152
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny / Warm	PM WEATHER: Sunny / Windy	MAX TEMP (F): 68	MIN TEMP (F): 52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue grading site (6" vegetative layer).	ERRG	1	Project Manager	6
07	Removed the channel crossing. Continued installation of the permanent	ERRG	1	Superintendent	10
	fence.	ERRG	1	QC Manager	10
		ERRG	1	SSHO	10
		ERRG	1	QC Staff	8.5
		ERRG	1	Truck Drivers	4
		ERRG	3	Equipment Operators	20
		ERRG	3	Laborers	16
		Dynoram	4	Fencing Subcontractor	40
		Espinosa Survey	1	Surveyor	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	132.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	21063.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	21196

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06, 07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
07	029	Fence posts
07	027, 028	Concrete for fencing

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06, 07	ERRG	2k Water truck	3
	Harris Blade	D6R Bulldozer-1ea	0
	Harris Blade	D-4G Bulldozer- 1ea	6
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	ERRG	JD 310 Backhoe	8
	ERRG	5 yard Dump Truck	1

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/16/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 16/JUNE/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 152 cont.

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Warm	Sunny / Windy	68	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	United Rentals	JD 210 Skip Loader	4
	Harris Blade	84" Smooth Drum Compactor - 1 ea	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/16/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/16/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK GRADE, FENCE CONTRACTOR, ROCK CHANNEL

SAFETY TOPICS PRESENTED

SAFETY TOPICS EQUIPMENT IN MANY AREAS - KEEP ALERT, HYDRATION

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
DAVID HASAL	ERRG	David Hasal
VICENTE VALENCIA	ERRG	Vicente Valencia
Guadalupe Trujillo	ERRG	[illegible]
Sergio Aguilera	ERRG	[illegible]
Ken Mark	ERRG	[illegible]
Albert P Ramirez	DynaRam	[illegible]
PAUL RAMIREZ	DYNARAM	[illegible]
Erasmo Soto	DYNARAM	[illegible]
Juan Lorente	ESP	[illegible]
Elizabeth Creek	ERRG	[illegible]
Liz Binning	ERRG	[illegible]

Health & Safety Officer DICK EPP

SIGNATURE [signature]

SUPERINTENDENT King Bailey

SIGNATURE [signature]

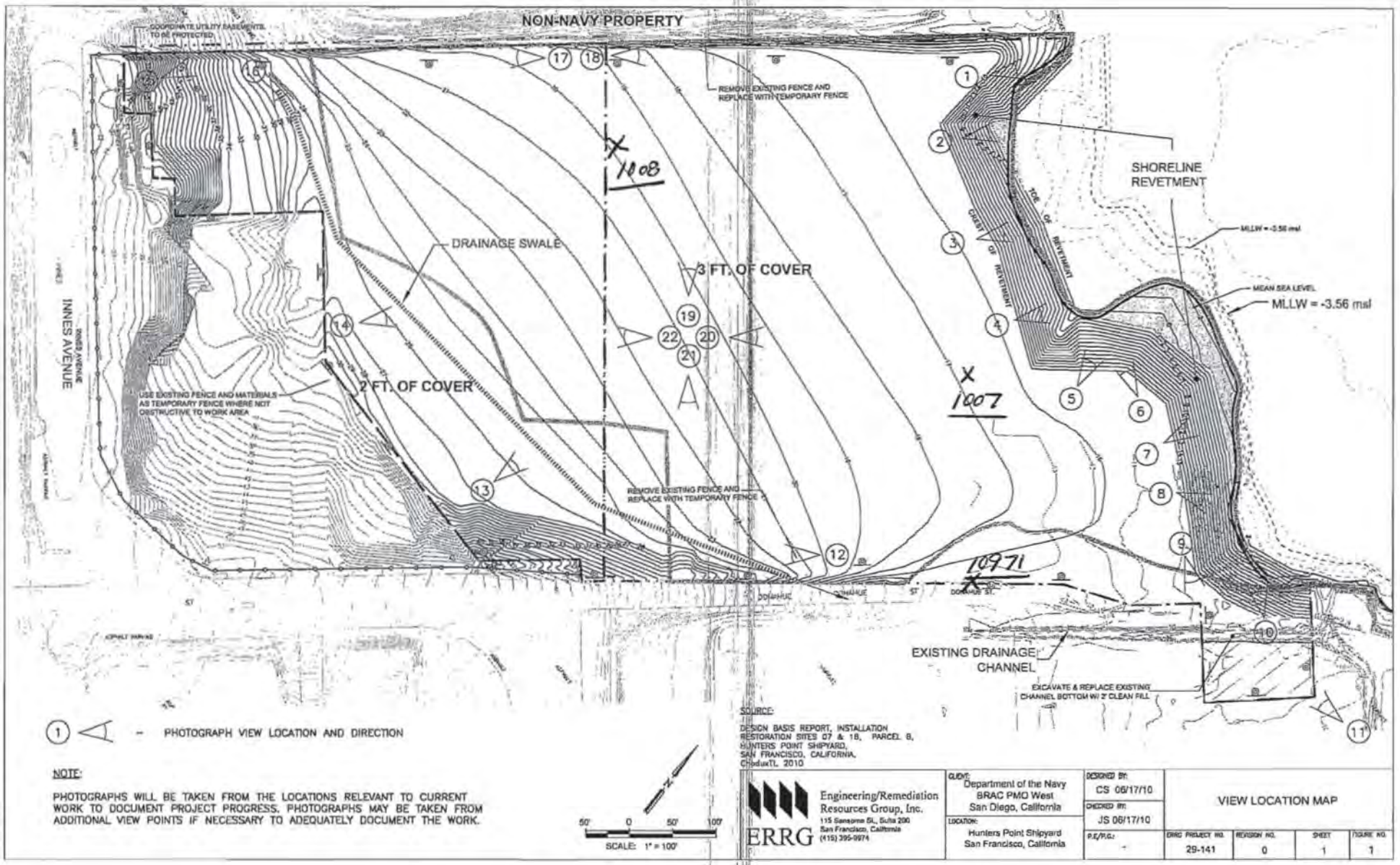
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK ESDP
Project Name: REMEDIATE PARCEL B
Site Location: IR-07&18, NPS
Calibration (Date and Time): 6/16/11 @ 0815

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10971	6/16/11	0835	0.020	0.020	
1007		0840	0.060	0.058	
1008		0845	0.060	0.060	
10971		0931	0.030	0.024	
1007		0938	0.065	0.065	
1008		0941	0.049	0.056	
10971		1038	0.013	0.021	
1008		1042	0.053	0.064	
10971		1119	0.036	0.020	
1007		1122	0.048	0.061	
1008		1128	0.037	0.048	
10971		1303	0.000	0.010	
1007		1306	0.073	0.040	
1008		1309	0.037	0.049	
10971		1400	0.000	0.007	
1007		1402	0.091	0.069	
1008		1502	0.033	0.048	
1007		1508	0.093	0.075	
10971		1510	0.000	0.004	



NOTE:

PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.

ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-0974

CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 06/17/10	VIEW LOCATION MAP	
LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 06/17/10		
P.E./P.G.: -	ERRG PROJECT NO. 29-141	REVISION NO. 0	SHEET 1	FIGURE NO. 1

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 6/16/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE – HYDRATION, MOVING JOB LOCATIONS, FENCE SUB.

GRADING

FENCE CONTRACTOR ON SITE, CONCRETING POSTS

SURVEYOR ON SITE.

REMOVING TEMPORARY DITCH CROSSING NEAR SITE ENTRY

COMPACTING FILL AT WELL PADS

INSTALLING FABRIC & ROCK TO RESTORE DITCH WHERE CROSSING WAS REMOVED

EQUIPMENT IN USE – 2 BULLDOZERS, SKIP LOADER, DUMP TRUCK, BACKHOE, WATER TRUCK

Signed: Richard Epp Date: 6/16/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 16/JUN/11

REPORT NO 152

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued spreading final 6-inch vegetative layer lift. Verified that activities performed conformed to the cover
07	Continued installation of the posts for the permanent fence. Poured footings for the posts along the northeast property boundary.
	Removed the temporary channel crossing connecting Donahue St to the rest of Parcel B that was installed at the beginning of the project.
	Started restoring the gravel in the drainage channel to match existing. Verified that activities performed conformed to the final grading and
	seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/16/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/16/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**	**X**			Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**	**X**			
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up	X			Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/16/2011

Final Grading and Seeding

Date: 06/16/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15, 6/16 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15, 6/16 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				
Have post caps been installed as recommended by the manufacturer?	**Follow up**				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	**Follow up**				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	**Follow up**				
Have gates been installed to allows gate to swing open at least 135 degrees?	**Follow up**				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	**Follow up**				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	**Follow up**				
Has waste fencing materials and other debris been removed from the site?	**Follow up**				
Have new surfaces been blended to existing areas?	**Follow up**				
Have drainage patterns been maintained as indicated on Drawings?	**Follow up**				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	**Follow up**				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	**Follow up**				
Are all areas to receive seed are free of vegetation and other objectionable material?	**Follow up**				
Have grades been verified prior to placement of seed?	**Follow up**				
Are all sloped areas uniformly compacted?	**Follow up**				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	**Follow up**				
Have compaction of the final 0.5 feet of cover been tested to ensure that the compaction does not exceed the limitations as specified in Section 31 00 00 Earthwork?	**Follow up**				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	**Follow up**				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	**Follow up**				
Has seed been sown according to supplies instructions?	**Follow up**				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	**Follow up**				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	**Follow up**				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	**Follow up**				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	**Follow up**				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	**Follow up**				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**				
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					
Manufacturers QC Manual					

Requirement	Phase	Yes	No	N/A	Comments
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/16/2011

Photo 1: Final Grading and Seeding – Augering fence post holes on the southeast IR boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 16, 2011

Photo 2: Final Grading and Seeding – Placement of concrete around bases of fence posts on the northwest property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 16, 2011

Photo 3: Final Grading and Seeding – Removal of the temporary channel crossing and replacement of the drainage rock in the channel in the vicinity.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 16, 2011

Photo 4: Final Grading and Seeding – Recompacting cover soil around groundwater monitoring wells that was disturbed during removal of the formwork.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 16, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 17/JUNE/11	REPORT NO: 153
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny / Warm	PM WEATHER: Sunny / Cool	MAX TEMP (F): 71	MIN TEMP (F): 51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Continue grading site (6" vegetative layer).	ERRG	0	Project Manager	0
07	Fill in drainage channel repairs with rock. Taking compaction tests on AB.	ERRG	1	Superintendent	10
	Install permanent perimeter fence.	ERRG	1	QC Manager	10
		ERRG	1	SSHO	10
		ERRG	1	QC Staff	8
		ERRG	1	Truck Drivers	2
		ERRG	2	Equipment Operators	16
		ERRG	3	Laborers	22
		Dynoram	5	Fencing Subcontractor	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	118
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	21196
TOTAL WORK HOURS FROM START OF CONSTRUCTION	21314

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06, 07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
07	029	Fencing Materials
07	027, 028	Concrete for fencing

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06, 07	ERRG	2k Water truck	1
	Harris Blade	D6R Bulldozer-1ea	0
	Harris Blade	D-4G Bulldozer- 1ea	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	ERRG	JD 310 Backhoe	8
	ERRG	5 yard Dump Truck	1

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/17/11 — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 17/JUNE/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	153 cont.

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Warm	Sunny / Cool	71	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☐ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☐ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☐ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	
TOTAL WORK HOURS FROM START OF CONSTRUCTION	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☐ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	United Rentals	JD 210 Skip Loader	8
	Harris Blade	84" Smooth Drum Compactor - 1 ea	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/17/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/17/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK GRADING, FENCE CONTRACTOR, ROCK DITCHES

SAFETY TOPICS PRESENTED

SAFETY TOPICS HYDRATION, ERGO OF SHOVELING.

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME/PRINTED	COMPANY	SIGNATURE
Oscar L Mata	ERRG	
DAVID HASAL	ERRG	
Guadalupe Zuniga	ERRG	
Ernesto Figueroa	ERRG	
Ken Mark	ERRG	
PAUL RAMIREZ	Dynaram Construction	
Antonio Ramirez	Dynaram	
Erasmo Soto	DYNARAM CONSTRUCTION	
Albert P Ramirez	Dynaram	
Elizabeth Creek	ERRG	

Health & Safety Officer DICK DOP **SUPERINTENDENT** Kirby Bailey

SIGNATURE **SIGNATURE**

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	FRIDAY	Date:	6/17/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	CLEAR	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE – HYDRATION, ERGONOMICS OF USING A SHOVEL.

ROCK & FABRIC IN DRAINAGE DITCH.

FENCING CONTRACTOR SETTING POSTS.

GRADING FILL, COMPACTING

END OF DAY FINISHED @ 1530.

ROCK DELIVERIES

EQUIPMENT IN USE: WATER TRUCK, BACKHOE, SKIPLOADER

Signed: [signature] Date: 6/17/11

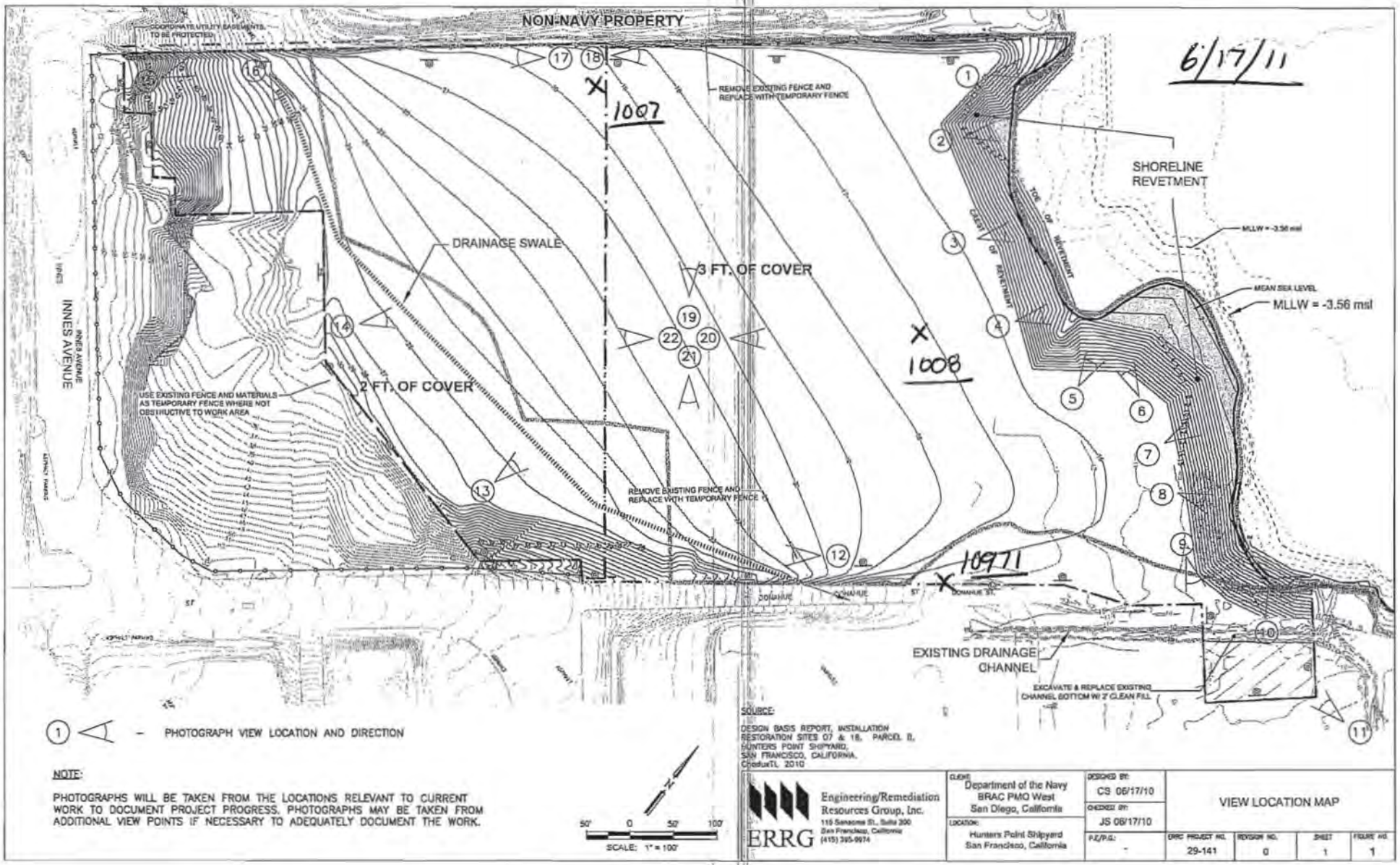
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK GPP
Project Name: ROOSEVELT PARCEL A
Site Location: IR-07+18, HPS
Calibration (Date and Time): 6/16/11

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument PID	Instrument DataRAM	Comments
10971	6/17/11	0831	0.011	0.022	
1008		0836	0.058	0.057	
1007		0842	0.080	0.079	
10971		0935	0.014	0.008	
1008		0943	0.048	0.057	
1007		0948	0.069	0.070	
10971		1010	SPIKED, ALARM SOUNDED – LABORER CLEARING BOARD		
					NEXT TO MOTOR
10971		1049	0.005	0.013	
1008		1051	0.050	0.053	
1007		1059	0.075	0.075	
10971		1245	0.005	0.014	
1008		1248	0.095	0.053	
1007		1251	0.069	0.074	
10971		1350	—	—	DHD, DOWNLOADING DATA
1008		1351	0.054	0.051	
1007		1353	0.069	0.072	
1008		1457	0.138	0.051	
1007		1559	0.064	0.071	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
1007
1008
10971
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
MEAN SEA LEVEL
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
2 FT. OF COVER
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
DONAHUE ST.
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
1 - PHOTOGRAPH VIEW LOCATION AND DIRECTION
NOTE:
PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA. CreduxTL 2010
50' 0 50' 100'
SCALE: 1" = 100'
ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-9974
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 06/17/10
CHECKED BY: JS 06/17/10
P.E./P.G.: -
VIEW LOCATION MAP
ERRC PROJECT NO. 29-141
REVISION NO. 0
SHEET 1
FIGURE NO. 1

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: CAT D6R **Identification Number:** MS8X63

Project Number / Name: _____ **Rental** ☑ **ERRG** ☐

Inspected By (Initials) And Date:				SA 6/14/11			S.A 6/15/11									Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	
Tracks	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Steps and handgrips	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Guards on moving parts?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Engine belts and hoses	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Seat belt operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Fire extinguisher present?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Gauges operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Battery charged?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Windshield wipers operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Horn operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Back up alarm operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Lights and signals operative?	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Steering and other controls	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	
Brakes	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	

Explain corrective actions taken: _____

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: ERRG Water truck **Identification Number:** _____

Project Number / Name: 24141 **Rental** ☐ **ERRG** ☒

Inspected By (Initials) And Date:	M			J Ka 6/14/24			W Ka 6/18			TH 6/20 KA			FR 6/21			Defect(s):
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Tires and rims	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Tracks	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	
Steps and handgrips	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Guards on moving parts?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Engine belts and hoses	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fluid levels acceptable?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Loading/lifting capacity marked?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Seat belt operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Fire extinguisher present?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windows and mirrors unbroken?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Gauges operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Battery charged?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Windshield wipers operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Horn operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Back up alarm operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Lights and signals operative?	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Steering and other controls	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	
Brakes	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐	

Explain corrective actions taken: _____

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 17/JUN/11

REPORT NO 153

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Continued spreading final 6-inch vegetative layer lift. Verified that activities performed conformed to the cover
07	Continued installation of the posts for the permanent fence. Poured footings for the posts along the southwest property boundary.
	Finished restoring the gravel in the drainage channel to match existing. Performed compaction tests on the aggregate base in the bump out.
	Verified that activities performed conformed to the final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/17/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Cover Installation

Date: 06/17/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**	**X**			Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**				Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**	**X**			
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			

Requirement	Phase	Yes	No	N/A	Comments
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	Follow up	X			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up	X			Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/17/2011

Final Grading and Seeding

Date: 06/17/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15, 6/16, 6/17 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15, 6/16, 6/17 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16, 6/17 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16, 6/17 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				
Have post caps been installed as recommended by the manufacturer?	**Follow up**				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	**Follow up**				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	**Follow up**				
Have gates been installed to allows gate to swing open at least 135 degrees?	**Follow up**				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	**Follow up**				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	**Follow up**				
Has waste fencing materials and other debris been removed from the site?	**Follow up**				
Have new surfaces been blended to existing areas?	**Follow up**				
Have drainage patterns been maintained as indicated on Drawings?	**Follow up**				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	**Follow up**				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	**Follow up**				
Are all areas to receive seed are free of vegetation and other objectionable material?	**Follow up**				
Have grades been verified prior to placement of seed?	**Follow up**				
Are all sloped areas uniformly compacted?	**Follow up**				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	**Follow up**				
Have compaction of the final 0.5 feet of cover been tested to ensure that the compaction does not exceed the limitations as specified in Section 31 00 00 Earthwork?	**Follow up**				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	**Follow up**				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	**Follow up**				
Has seed been sown according to supplies instructions?	**Follow up**				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	**Follow up**				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	**Follow up**				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	**Follow up**				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	**Follow up**				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	**Follow up**				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**				
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					
Manufacturers QC Manual					

Requirement	Phase	Yes	No	N/A	Comments
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/17/2011

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

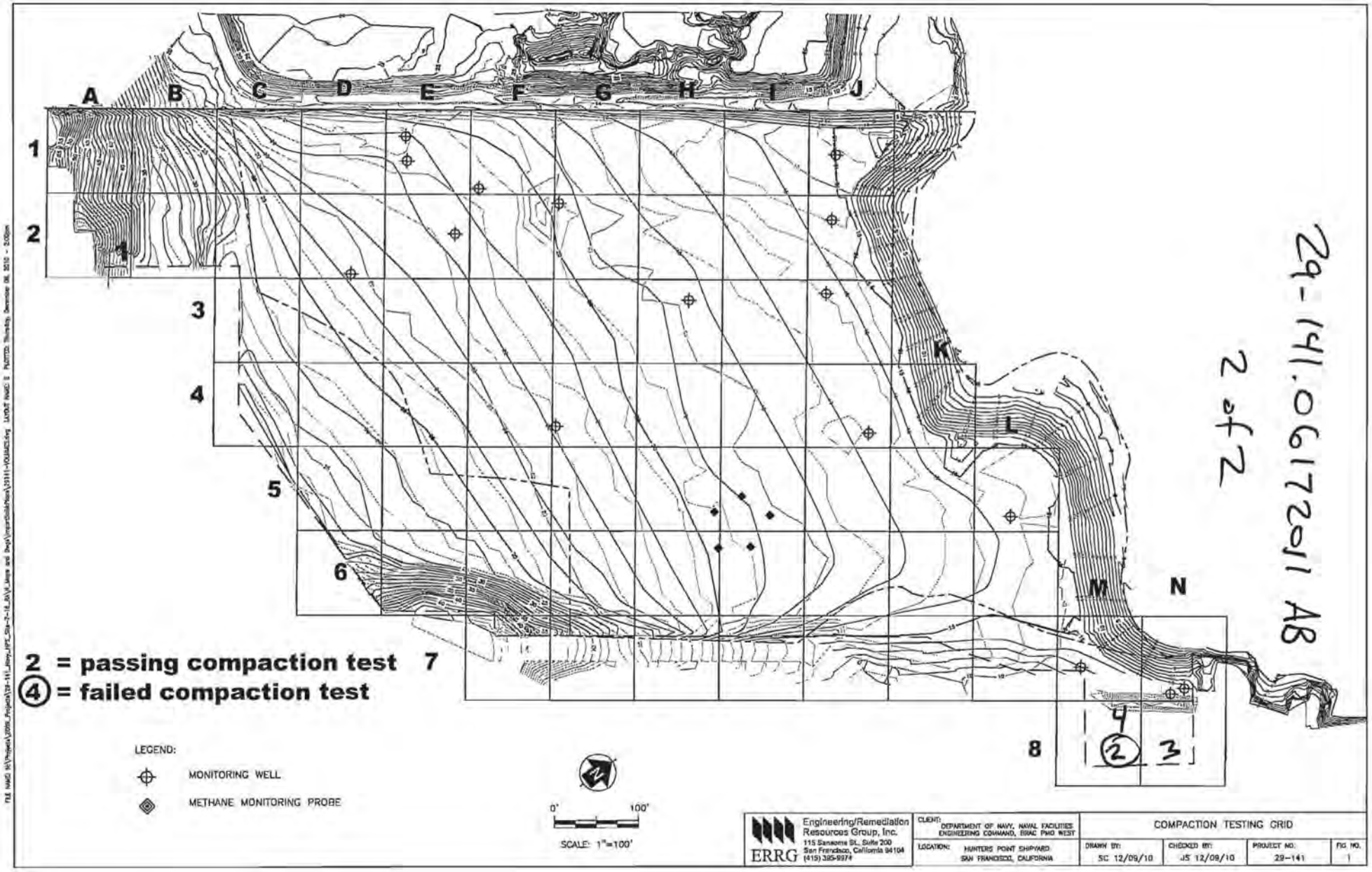
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/17/11	Job No. 29-141	Project/Location HPS 1R-07-18	Source Material Am-241 / Cs-137	Density Std. 25458
Inspector E. BINNING	Project Engineer E. BINNING	Other		Moisture Std 16011
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
EBI AB	139.2		6.8	smooth drum roller
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
95%	+/- 3%		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
2	*	4"	137.6	8.6	129.0	6.7	93	M8	0'
3		4"	143.1	9.5	133.6	9.1	96	N8	0'
4	2R	4"	141.5	7.3	134.2	5.4	96	M8	0'
	Average								

Remarks: Test 2 failed due to low compaction. Reworked the area & retested. Test 4 is a retest of Test 2. AB was placed in a 4-inch lift in prep for placement of asphalt bump-out.

Inspector: _____ Reviewed: _____



29-141.06172011 AB
2 of 2

Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9974 ERRG	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, EFAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO: 29-141	FIG. NO. 1

Photo 1: Final Grading and Seeding – Installation of geotextile and drain rock to restore the drainage channel.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 17, 2011

Photo 2: Final Grading and Seeding – Completed replacement of the drainage rock in the over the transition between the bump out and the soil cover.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 17, 2011

Photo 3: Final Grading and Seeding – Completed replacement of the drainage rock in the vicinity of the removed temporary channel crossing.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 17, 2011

Photo 4: Final Grading and Seeding – Placement of concrete around bases of fence posts on the southeast property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 17, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 20/JUNE/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	154

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Hot	Sunny / Warm	90	57

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
06	Backfilling against retaining wall.	ERRG	1	Project Manager	4
07	Digging anchor trench for CTRM. Cleaning soil away from revetment	ERRG	1	Superintendent	10
	and installing straw wattles along shoreline.	ERRG	1	QC Manager	10
	Continue installing permanent perimeter fencing	ERRG	1	SSHO	10
08	Paving starting in the bump out area.	ERRG	1	QC Staff	9
		ERRG	2	Truck Drivers	10
		ERRG	1	Equipment Operators	10
		ERRG	4	Laborers	32
		Dynoram	5	Fencing Subcontractor	40
		K C Paving	6	Paving Subcontractor	60

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	195
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	21314
TOTAL WORK HOURS FROM START OF CONSTRUCTION	21509

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
06, 07, 08	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
06, 07, 08	ERRG	2k Water truck	10
	United Rentals	J D 210 Skip loader	0
	Harris Blade	D-4G Bulldozer- 1ea	10
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	ERRG	JD 310 Backhoe	0
	United Rentals	Skip loader	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/20/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/20/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK GRADING, BACKFILL @ RETAINING WALL, DIGGING ANCHOR TRENCH, FENCE CONTRACTOR, ASPHALT CONTRACTOR

SAFETY TOPICS PRESENTED

SAFETY TOPICS NEW PEOPLE ON SITE - ASPHALT, CONCRETE FINISH - OBSERVE WHO'S AROUND YOU - HYDRATION

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente Valencia	ERRG	Vicente Valencia
Guadalupe Trujillo	ERRG	Guadalupe Trujillo
David Hasal	ERRG	David Hasal
Ken Mark	ERRG	
Elizabeth Creek	ERRG	
Williams Cole	ERRG	
Fernando Trujillo	ERRG	Fernando Trujillo
Liz Bivens	ERRG	
Eliseo Castro	KC Paving	Eliseo Cas
Carlos Orozco	KC Paving	Carlos Orozco
Mario Hernandez	KC Paving	
Juan Jose Chavez	KC Paving	
Jorge Gaeta	KC Paving	Jorge Gaeta
Efrud Oropeza	KC Paving	
Josue Oropeza	KC Paving	
Jorge L. Castaneda	KC Paving	
Ricardo Rubio	KC Paving	
William Febo-Cruz	KC Paving	William Febo-Cruz

Health & Safety Officer DICK GRP **SUPERINTENDENT** King Bailey

SIGNATURE **SIGNATURE**

ERRG

TAILGATE SAFETY MEETING

DATE 6/20/11 **TIME** _____ **PROJECT NUMBER** 29-141

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
JOHN SOUBAL	ERRG	
PAUL RAMIREZ	DYNACOM	
ERASMO SOTO	DYNARAM	
HERMINIO SOTO	DYNARAM	

Health & Safety Officer _____ **SUPERINTENDENT** _____

SIGNATURE _____ **SIGNATURE** _____

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: MONDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOUDY
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 6/20/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE — NEW CONTRACTOR - AWARENESS, HYDRATION, HOST & SHADE, AHA

GRADING AT RETAINING WALL AREA

DIGGING TOE TRENCH (ANCHOR)

FENCE CONTRACTOR ON SITE

PAVING CONTRACTOR ON SITE. REVIEWED AHA + HELD SAFETY BRIEFING. PAVING IN LAYDOWN AREA, PATCHING DUNKIRK ST.

INSTALLING WADDLE ALONG RIP-RAP @ SHORELINE

EQUIPMENT IN USE (EBBS): SKID LOADER, BACKHOE

Signed: Richard Epp Date: 6/20/11

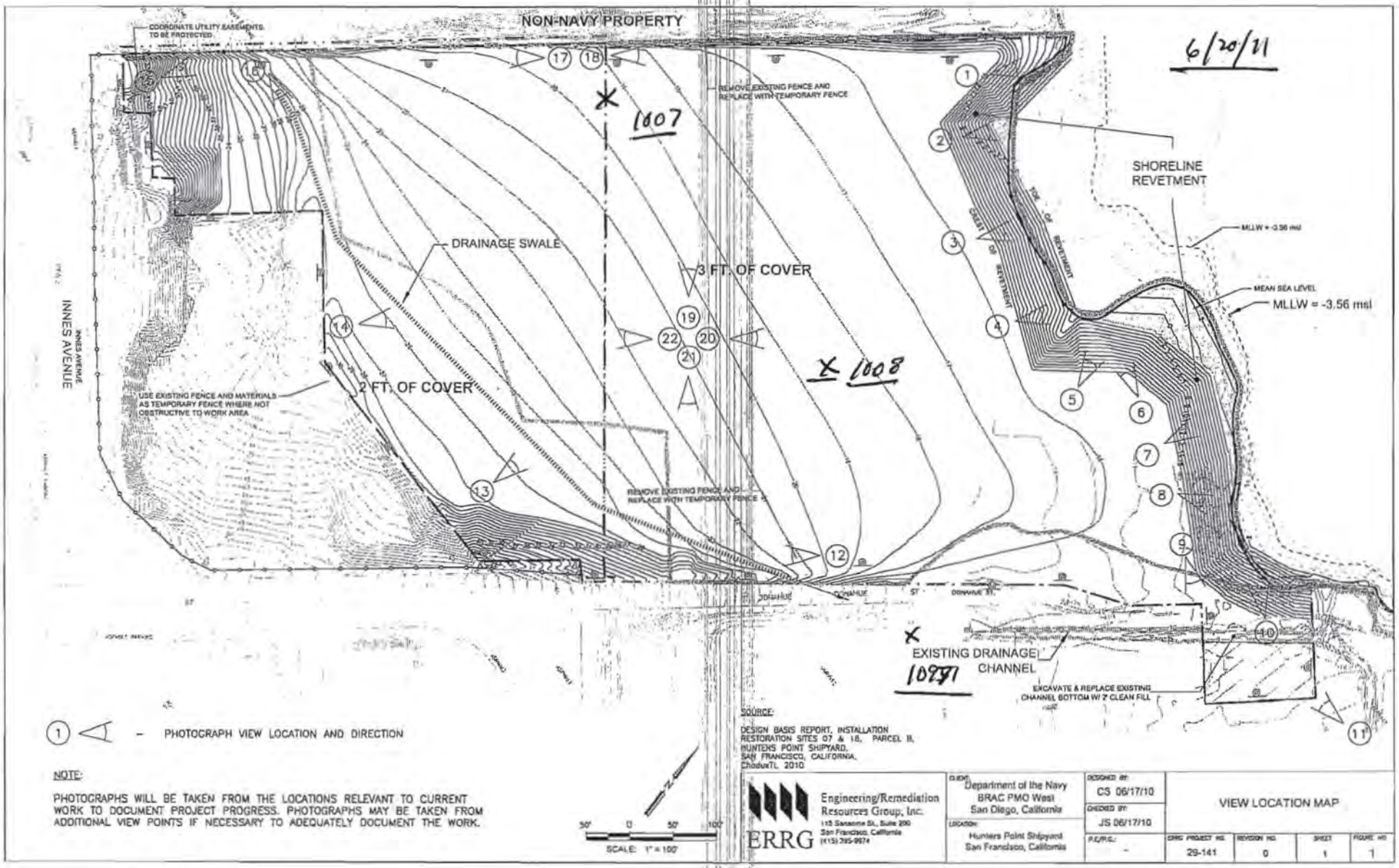
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK EPP
Project Name: REMEDIATION PARCEL B
Site Location: IR07 & 18, HPS
Calibration (Date and Time): (1007) 6/20/11 @ 0900

Client: US NAVY
Project No.: 28-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument conc. ~~PID~~	Instrument ~~DataRAM~~	Comments
10971	6/20/11	0850	0.010	0.012	
1008		0853	0.064	0.065	
1007		0856	HIGH	HIGH	
1007		0915	0.042	0.840	RECALIBRATED
10971		1035	0.000	0.018	
1008		1038	0.058	0.067	
1007		1042	0.036	0.038	
10971		1307	0.000	0.007	
1008		1309	0.047	0.062	
1007		1313	0.020	0.032	
10971		1431	0.090	0.009	
1007		1442	0.021	0.030	
1008		1446	0.095	0.061	



6/20/11

NOTE:

PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.

FILL, FENCE, ASPHALT

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	King Bailey	[signature]	6-20-11 - 0700
Site Safety Officer:	DICK EPP	[signature]	6/20/11 @ 0700
Employee(s):	VICENTE VALENCIA	Vicente Valencia	6/20/11 07:00
	GUADALUPE TRUJILLO	Guadalupe Trujillo	6/20/11 07:00
	DANZO HASAL	Dan Hasal	6-20-11 700
	Ken Mark	[signature]	6/20/11 700
	Villamu Lelei	[signature]	6/20/11 700
	Elizabeth Creek	[signature]	6/20/11 0700
	Fernando Trujillo	Fernando Trujillo	6/20/11 0700
	Liz Binning	[signature]	6/20/11 0700
	Eliseo Castaneda	K.C. Paving	6-20-11 7:45
	Carlos Orozco	KC PAVING	6/20/11 7:45
	Mario Hernandez	KC PAVING	6/20/11 7:45
	Juan Jose Chavez	KC Paving	6/20/11 7:45
	Jorge Gaeta	KC Paving	6/20/11 8:03
	Eliud Oropeza	KC Paving	06/20/11 8:00
	JOSUE OROPEZA	KC Paving	06/20/11 8:00
	JORGE L. CASTANEDA	KC PAVING	06/20/11 8:00 AM
	RICARDO RUBIO	KC PAVING	06/20/11 8:00 AM
	William Febonera	KC Paving	06/20/11 8:00 am
	JOHN SOURIAL	ERRG	06/20/11 8:00 am

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	Erasmo Soto	Erasmo Soto	06/20/2011 - 8:30
Site Safety Officer:	Herminio Soto	Herminio Soto	06/20/2011 - 8:30
Employee(s):			

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 20/JUN/11

REPORT NO 154

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ■ NO ☐

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
08	Pavement Installation	

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ■ NO ☐

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
08	Pavement Installation	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
06	Backfilled soil cover against the retaining wall. Verified that activities performed conformed to the cover installation checklist.
07	Started installation of the guide wires for the permanent fence. Started grading the drainage swale along the southern portion of the site. Started
	installation of the CTRM trench. Cut the geotextile interface between the soil cover and the revetment structure flush with the soil cover and
	installed wattles to prevent soil from overflowing into the revetment rock. Verified that activities performed conformed to the final grading and
	seeding checklist.
08	Started and finished installation of the asphalt paving in the bump out area. Installed asphalt repairs along Donahue St in areas where the
	edge of the existing pavement was damage or crumbled. Installed clean asphalt interface along the proposed location of the curb on Donahue St.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/20/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
NA	20/JUN/11

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62473-09-D-2608	Pavement Installation	08	

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED 48 HOURS IN ADVANCE: YES ■ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Elizabeth Binning	Quality Control Manager	ERRG
Shirley Ng (phone)	ROICC	Navy, ROICC SF Bay
Andrew Uehisa (phone)	ROICC	Navy, ROICC SF Bay
Mel Asuncion (phone)	CSO	Navy, HPS
Douglas DeLong (phone)	CSO	Navy, HPS

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ■ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED? There are no submittals for this DFOW.

ARE ALL MATERIALS ON HAND? YES ■ NO ☐

IF NO, WHAT ITEMS ARE MISSING? Paving materials will arrive onsite with the subcontractor on 6/20/11.

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: Asphalt mix will be checked to ensure that it meets Section 39, "Hot Mix Asphalt," of the Caltrans Standard Specifications per the RAWP.

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ■ NO ☐

IF NO, WHAT ACTION IS TAKEN?

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS. Work will be inspected to ensure that paving areas match the areas, dimensions, and thicknesses described in the RAWP.

There are no specifications associated with this DFOW.

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK. Asphalt subcontractor will install the bump out area first and then the repairs along Donahue and the new curb installation.

The asphalt bump out will be paved along with minor patches along Donahue St. A asphalt curb will also be installed along Donahue to prevent soil erosion onto the street.

CLARIFY ANY DIFFERENCES. NA

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? The aggregated base in the bump out area has been brought to grade. Subcontractors should not have any issues with conflicting work areas.

Fencing subcontractor has already installed the fencing posts around the bump out area and along Donahue. Fencing fabric will be installed later in the week, after paving is complete to minimize the impact of the fencing operations on the paving subcontractor.

TESTING

IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM. None.

WHEN REQUIRED? NA.

WHERE REQUIRED? NA.

REVIEW TESTING PLAN. NA.

HAS TEST FACILITIES BEEN APPROVED? NA.

SAFETY

ACTIVITY HAZARD ANALYSIS APPROVED? YES ☑ NO ☐

REVIEW APPLICABLE PORTION OF EM 385-1-1. See AHAs attached to preparatory meeting agenda for a list of hazards associated with this DFOW.

MEETING COMMENTS

NAVY/ROICC COMMENTS DURING MEETING.

- SSHO will modify the Paving AHA per the ROICCs comments.
- Will submit asphalt product data to demonstrate that the asphalt meets the Caltrans standard specifications.

OTHER ITEMS OR REMARKS

OTHER ITEMS OR REMARKS:

Elizabeth Binning — QC MANAGER

06/20/2011 — DATE

INITIAL PHASE CHECKLIST

SPEC SECTION	DATE
NA	20/JUN/11

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62473-09-D-2608	Pavement Installation	08	

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED 24 HOURS IN ADVANCE: YES ☒ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Elizabeth Binning	Quality Control Manager	ERRG
King Bailey	Site Superintendent	ERRG
Richard Epp	SSHO	ERRG
David Hasal	Grade Checker	ERRG
Ken Mark	Laborer	ERRG
Vicente Valencia	Laborer	ERRG
Vilamu Lelei	Laborer	ERRG
Fernando Trujillo	Laborer	ERRG

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE WITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINATE PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENTS: Procedures are in compliance.

PRELIMINARY WORK

ENSURE PRELIMINARY WORK IS COMPLETE AND CORRECT. IF NOT, WHAT ACTION IS TAKEN?

All preliminary work has been completed.

WORKMANSHIP

ESTABLISH LEVEL OF WORKMANSHIP.

WHERE IS WORK LOCATED? The southeast boundary of IR-07 and -18; the bump out in the eastern corner of IR-07 in Parcel B, HPS, SF

IS SAMPLE PANEL REQUIRED? YES ☐ NO ☒

WILL THE INIITAL WORK BE CONSIDERED AS A SAMPLE? YES ☐ NO ☒

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENTS: No differences have been identified.

CHECK SAFETY

REVIEW JOB CONDITIONS USING EM 385-1-1 AND JOB HAZARD ANALYSIS

COMMENTS: EM 385-1-1 & site specific AHAs reviewed by SSHO.

OTHER

OTHER ITEMS OR REMARKS

Other personnel present at meeting: Guadalupe Trujillo (Operator, ERRG), Elizabeth Creek (QC Officer, ERRG), Ebired Castaneda (KC Paving), Mario Hernandez (KC Paving), Eliud Oropeza (KC Paving), Josue Oropeza (KC Paving), Jorge Castaneda (KC Paving), Ricardo Rubio (KC Paving), William Feboeraz (KC Paving), Juan Jose Chavez (KC Paving), and Jorge Gaota (KC Paving)

Elizabeth Binning — QC MANAGER

6/20/2011 — DATE

Cover Installation

Date: 06/20/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Have all submittals for demarcation geotextile been approved prior to delivery to the site?	**Prep**	**X**			
Has the Borrow Source Assessment Report been approved at least 15 days prior to select fill placement?	**Prep**	**X**			
Has the geotextile been checked for defects, rips, holes, flaws, deterioration or damage incurred during manufacture, transportation or storage prior to installation?	**Initial**	**X**			
Is equipment to be used to place the select fill layers described in the approved Materials Handling Plan?	**Initial**	**X**			
Is all earthwork to be overseen by a California Registered Geologist or Civil Engineer?	**Initial**	**X**			
Have all well extension materials been delivered in an undamaged condition	**Initial**	**X**			All well materials are in good condition.
Is the imported material to be used in the soil cover free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and deleterious or objectionable materials?	**Follow up**	**X**			
Have the soil cover been constructed with the lift thicknesses described in the specifications?	**Follow up**	**X**			Cover soil being spread and installed in 6" compacted lifts. Soil above demarcation fabric being installed in 1' lift to protect geotextile.
Is the minimum dry density no less than 90 percent of maximum dry density for the base layers	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Is the moisture content between + 3 and - 3 percent of optimum for all lifts?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 that did not meet this requirement have been retested.
Has compaction been a minimum of 2 passes over all areas?	**Follow up**	**X**			
Have representative samples for grain size analysis been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for Atterberg limits been taken for testing, during construction of the select fill layer, for every 2,000 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13, 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have representative samples for laboratory compaction been taken for testing, during construction of the select fill layer, for every 5,200 cubic yards of material placed?	**Follow up**	**X**			Samples gathered on 4/13, 4/21, 4/22, 4/28, 5/3, 5/4, 5/5, 5/6, 5/10, 5/11, 5/13 5/16, 5/17, 5/18, 5/20, 5/23, 5/24, 5/27.
Have compaction test results shall be compared with the results obtained during the borrow source assessment for consistency?	**Follow up**	**X**			
Has field compaction and insitu moisture testing (nuclear density gauge) been performed at a frequency of 1 per 10,000 square feet of soil cover placed?	**Follow up**	**X**			Compaction tests performed on 4/20, 4/21, 4/22, 4/25, 4/26, 4/28, 5/10. 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7, 6/10 meet this requirement.
Have sand cone and laboratory moisture content testing been performed at a frequency of 1 per 150,000 square feet of soil cover placed?	**Follow up**	**X**			
Have nuclear gauge results been compared with and calibrated to oven-dried water content and sand cone tests?	**Follow up**	**X**			Sand cone tests taken 4/21, 4/25, 4/26, 4/28, 5/10, 5/11, 5/12, 5/13, 5/17, 5/20, 5/23, 5/24, 5/25, 6/7 were compared to the nuclear density gauge results. Sand cone tests that failed to meet the compaction requirements have been retested.

Requirement	Phase	Yes	No	N/A	Comments
Have the surrounding areas around failed test locations been reworked up to at least half the distance to all nearby test locations that passed?	Follow up	X			
Are retests located within 10 feet of the previous test location	Follow up	X			
Have surfaces on which the geotextile will be placed been prepared to a relatively smooth surface condition free from obstruction, debris, depressions, erosion feature, or vegetation?	Follow up	X			Surfaces beneath geotextile placed on 4/26, 4/27, 4/28, 5/2, 5/3, 5/4. 5/5, 5/6, 5/9, 5/10, 5/11, 5/12, 5/13, 5/16, 5/17, 5/18, 5/19 meet this requirement.
Has soil been prevented from being dropped directly onto geosynthetics from a height greater than 3 feet.	Follow up	X			
Has select fill been pushed out over geosynthetics in an upward tumbling motion so that wrinkles in geosynthetics do not fold over?	Follow up	X			
Has select fill be placed from the bottom of the slope upward over geosythetics?	Follow up	X			
Has the geotextile been placed on the prepared base in accordance with the details shown on the contract Drawings, and within the limits either shown on the contract drawings or staked in the field?	Follow up	X			
Have geotextiles been secured to prevent movement prior to placement of revetment materials through use of pins, staples, sand bags, or stone?	Follow up	X			
Have the securing pins been inserted at the frequency shown in the specifications?	Follow up	X			
Have the strips been placed to provide a minimum overlap width as shown on the design drawings for each joint of the demarcation geotextile?	Follow up	X			
Has the geotextile been protected from damage prior to and during soil placement?	Follow up	X			
Has the geotextile been protected at all times during construction from contamination by surface runoff?	Follow up			X	
Has the demarcation tape been installed in the grid pattern at the frequency shown on the design drawings?	Follow up	X			
Have environmental controls been maintained throughout construction, even during gaps in work?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the collection and disposal methods of surface water encountered during construction been provided?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have storm drainage features been established for rain events during construction?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Has the site been graded to surface water runoff away from the construction activity or provide temporary ditches, swales, and other drainage features and equipment as required to maintain dry soils?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization.
Have erosion rills or other damage that occurs been documented (including location and volume of soil affected, corrective action taken, and results of retests), repaired, and grades re-established?	Follow up	X			Stormwater controls rechecked on 12/16/2010 in anticipation of winterization. Routine SWPPP inspections being performed at the site.
Has a field geologist inspected all material and equipment to be used in well extension for conformance with the specifications?	Follow up	X			
Have all well materials been stored and maintained in a clean, uncontaminated condition throughout the course of the project?	Follow up	X			
Have all monitoring wells been extended as shown on the design drawings?	Follow up	X			Wells extended on 5/24, 5/25, 5/31 meet this requirement.
Have all monitoring probes been extended as shown on the design drawings?	Follow up	X			Probes extended on 6/6 meet this requirement.
Has care been taken during construction to prevent contamination of the interior of the extended wells and probes from any solvents or other chemicals being used?	Follow up	X			
Receivables					
Material properties sheet		X			
Manufacturers QC Manual				X	

Requirement	Phase	Yes	No	N/A	Comments
QC Certification		**X**			
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			
Calibration		**X**			Nuclear density gauge calibrated before use. Sand cone calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/20/2011

Final Grading and Seeding

Date: 06/20/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15, 6/16, 6/17, 6/20 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14, 6/16 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15, 6/16, 6/17 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16, 6/17 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16, 6/17 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**				
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				
Have post caps been installed as recommended by the manufacturer?	**Follow up**				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	**Follow up**				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	**Follow up**				
Have gates been installed to allows gate to swing open at least 135 degrees?	**Follow up**				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	**Follow up**				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	**Follow up**				
Has waste fencing materials and other debris been removed from the site?	**Follow up**				
Have new surfaces been blended to existing areas?	**Follow up**				
Have drainage patterns been maintained as indicated on Drawings?	**Follow up**				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	**Follow up**				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	**Follow up**				
Are all areas to receive seed are free of vegetation and other objectionable material?	**Follow up**				
Have grades been verified prior to placement of seed?	**Follow up**				
Are all sloped areas uniformly compacted?	**Follow up**				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	**Follow up**				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	**Follow up**				
Has seed been sown according to supplies instructions?	**Follow up**				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	**Follow up**				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	**Follow up**				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	**Follow up**				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	**Follow up**				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	**Follow up**				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**				
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual					
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/20/2011

Photo 1: Pavement Installation – Placement of asphalt pavement in the bump out area. Placing asphalt in 2-inch lifts.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 20, 2011

Photo 2: Pavement Installation – Compacting installed asphalt pavement in the bump out area.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 20, 2011

Photo 3: Pavement Installation – Completed repair patches on the edge of Donuhue and placement of curb interface on existing pavement.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 20, 2011

Photo 4: Cover Installation – Backfilled and compacted soil cover right behind retaining wall.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 20, 2011

Photo 5: Final Grading and Seeding – Installation of CTRM anchor trench.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 20, 2011

Photo 6: Final Grading and Seeding – Cutting soil cover/revetment interface geotextile along revetment and installing wattles to minimize soil cover overflow into the revetment.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 20, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 21/JUNE/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	155

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Hot	Sunny / Warm	86	54

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
07	Grading the drainage swale and installing the outfall rock.	ERRG	1	Project Manager	8
	Continue installing permanent perimeter fencing.	ERRG	1	Superintendent	10
08	Paving contractor installing AC berm along Donahue st	ERRG	1	QC Manager	10
		ERRG	1	H&S Manager	10
		ERRG	1	QC Staff	9
		ERRG	1	Truck Drivers	8
		ERRG	2	Equipment Operators	16
		ERRG	3	Laborers	24
		Dynaram Construction	4	Fencing Subcontractor	40
		KC Paving	4	Paving Subcontractor	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	175
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	21509
TOTAL WORK HOURS FROM START OF CONSTRUCTION	21684

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
07,08	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
07, 08	ERRG	2k Water truck	8
	United Rentals	J D 210 Skip loader	0
	Harris Blade	D-4G Bulldozer- 1ea	8
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	ERRG	JD 310 Backhoe	8
	United Rentals	Skip Loader	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/21/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/21/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK GRADING, COMPLETE WADDLE, RIP RAP DRAINAGE @ DONAHUE, WATER ENERGY DISIPATOR, PAVING CONTR., FENCE CONTR.

SAFETY TOPICS PRESENTED

SAFETY TOPICS HYDRATION, HEAT STRESS

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente Valencia	ERRG	[signature]
Guadalupe Trujillo	ERRG	Guadalupe Trujillo
David Hasal	ERRG	[signature]
Ken Mark	ERRG	[signature]
Villanueva Velez	ERRG	[signature]
Erasmo Soto	DINA RAM	[signature]
Herminio Soto	DYNA RAM	[signature]
Paul Ramirez	Dynaram	[signature]
Liz Binning	ERRG	[signature]
Fernando Trujillo	ERRG	[signature]
Elizabeth Creek	ERRG	[signature]
Jorge Garcia	KC Paving	Jorge Garcia
Mario Hernandez	KC Paving	[signature]
Josue Oropeza	KC paving	[signature]
Carlos Orozco	KC PAVING	[signature]
Eliud Oropeza	KC PAVING	[signature]
John Sourial	ERRG	[signature]
Juan Lorato	ESP	[signature]
Shirley NA	RMCC	[signature]

Health & Safety Officer DICK EPP **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	TUESDAY	Date:	6/21/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	CLEAR	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 - SAFETY TAILGATE - HYDRATION, DISCUSSED HEAT STRESS, ALL ACTIVITIES - A LOT OF MOVEMENT.

GRADING FILL

INSTALLING WATER ENERGY DISIPATOR @ DONAHUE ST.

PAVING CONTRACTOR INSTALLING CURBING ON DONAHUE, JOB COMPLETE

FORMING CONTRACTOR ON SITE, FENCE FABRIC ON SITE.

COMPLETED COMPACTING FILL @ RETAINING WALL.

COMPLETED ANCHOR TRENCH AT TOP OF GRADE, PARALLEL TO INNES ST.

FORMING WALL @ REVETMENT/DRAINAGE DITCH.

EARTH EQUIPMENT IN USE: WATER TRUCK, SKID LOADER, BACKHOE, WACKER.

Signed: RG Epp Date: 6/21/11

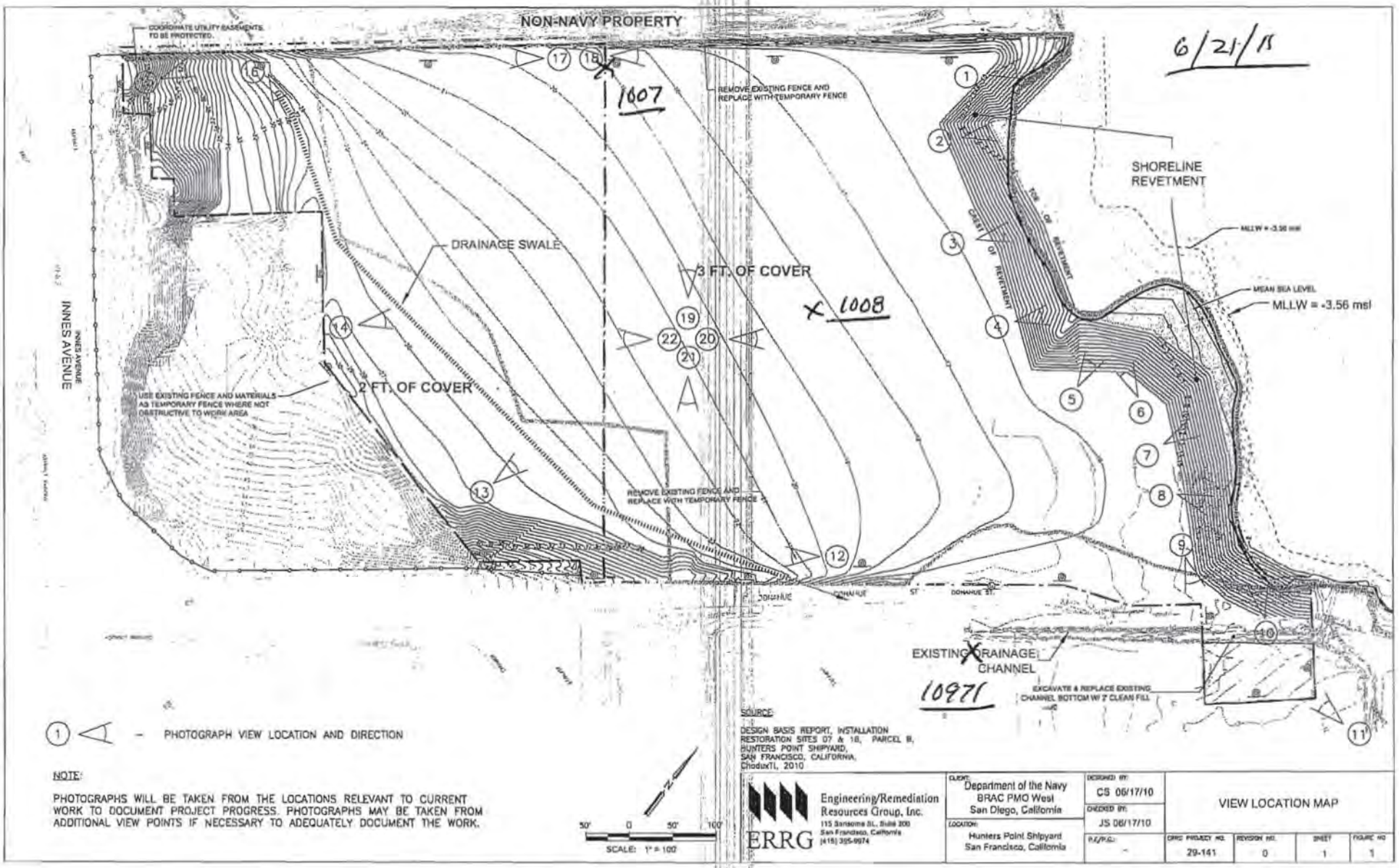
AIR MONITORING LOG SHEET

ERRG

Prepared by: Dick Gdr
Project Name: Remediation Parcel B
Site Location: IR-07+8, HPS
Calibration (Date and Time):

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used: Air Bag

Location	Date	Time	Instrument ~~ONE. PID~~	Instrument ~~TMA DataRAM~~	Comments
10971	6/21/11	0749	0.015	0.016	
1008		0755	0.072	0.075	
1007		0758	0.043	0.05	
10971		0900	0.017	0.015	
1008		0903	0.067	0.067	
1007		0907	0.039	0.036	
10971		1000	0.016	0.012	
1008		1005	0.066	0.066	
1007		1011	0.033	0.035	
1008		1055	0.060	0.065	
1007		1058	0.027	0.036	
10971		1110	0.006	0.012	
10971		1344	0.000	0.012	
1008		1348	0.050	0.061	
1007		1351	0.018	0.032	
1007		1449	0.020	0.029	
1008		1458	0.063	0.061	
10971		1504	—	—	DONE


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED.
6/21/11
1007
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
MEAN SEA LEVEL
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
1008
INNES AVENUE
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
2 FT. OF COVER
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
DONAHUE ST
EXISTING DRAINAGE CHANNEL
10971
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
1 - PHOTOGRAPH VIEW LOCATION AND DIRECTION
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChadwiTL, 2010
NOTE:
PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.
50' 0 50' 100'
SCALE: 1" = 100'
ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-0974
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 06/17/10
CHECKED BY: JS 06/17/10
P.E./P.G.: -
VIEW LOCATION MAP
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1
FIGURE NO 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 21/JUN/11

REPORT NO 155

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ■ NO □

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
11	Site Cleanup and Demobilization	

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES □ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO □

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO □

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
07	Continued installation of the permanent fence. Continued grading the drainage swale along the southern portion of the site. Started and
	completed installation of the drainage channel rock outfall. Performed concrete installation for the IR07MW20A1 well extension pads.
	Verified that activities performed conformed to the final grading and seeding checklist.
08	Started and finished installation of the asphalt curb along Donahue Street.
11	Started removal and disposal of piles (SPD14 and background radiological pad) in the laydown area by ITSI.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/21/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

4296/2 (9/98)

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
31 00 00, 01 57 19.0020	21/JUN/11

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62473-09-D-2608	Site Cleanup and Demobilization	11	

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED 48 HOURS IN ADVANCE: YES ■ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Elizabeth Binning	Quality Control Manager	ERRG
Richard Epp	SSHO	ERRG
Lara Urizar (phone)	RPM	Navy, BRAC PMO
Shirley Ng	ROICC	Navy, ROICC SF Bay
Andrew Uehisa (phone)	ROICC	Navy, ROICC SF Bay

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ■ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED? There are no submittals associated with this DFOW

ARE ALL MATERIALS ON HAND? YES ☐ NO ■

IF NO, WHAT ITEMS ARE MISSING? BMPs started arriving on 6/20/11 for site stabilization.

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: BMPs will be stored according to manufacturer's recommendations.

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ■ NO ☐

IF NO, WHAT ACTION IS TAKEN?

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS. Section 01 57 19.00 20 Temporary Environmental Controls paragraph 3.5 Control And Disposal Of Contractor-Generated Solid Wastes states "At project completion, leave the areas clean." 31 00 00 Earthwork paragraph 3.12 Final Cover Survey states "Perform a final cover survey of the cover once construction is complete. Include the final survey information on the as-built Drawings."

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK. General site cleanup activities will be performed after work has been completed in each area as to not duplicate efforts. Equipment will be demobilized as it is no longer being used. Erosion controls will be installed at the end of the project to ensure that the site is buttoned up.

CLARIFY ANY DIFFERENCES. None.

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? Equipment and materials will not be demobilized from the site until work requiring their use has been inspected by the QCM.

TESTING

IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM. None.

WHEN REQUIRED? NA.

WHERE REQUIRED? NA.

REVIEW TESTING PLAN. NA.

HAS TEST FACILITIES BEEN APPROVED? NA.

SAFETY

ACTIVITY HAZARD ANALYSIS APPROVED? YES ☑ NO ☐

REVIEW APPLICABLE PORTION OF EM 385-1-1. See AHAs attached to preparatory meeting agenda for a list of hazards associated with this DFOW.

MEETING COMMENTS

NAVY/ROICC COMMENTS DURING MEETING.

- Make sure that seeding takes hold along to shoreline to prevent overtopping of cover soils into the revetment.
- The ROICC will check with the RPM to make sure that no further air sampling will be required after Wednesday.

OTHER ITEMS OR REMARKS

OTHER ITEMS OR REMARKS:

- There are a couple of variances that will be submitted to the ROICC to clarify the work (ie, seeding methodology, final grade verification).

Elizabeth Binning — QC MANAGER

06/21/2011 — DATE

Final Grading and Seeding

Date: 06/21/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15, 6/16, 6/17, 6/20 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13, 6/21 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8, 6/9, 6/10, 6/13, 6/21 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14, 6/21 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14, 6/16, 6/21 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14, 6/16, 6/21 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14, 6/16, 6/21 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15, 6/16, 6/17 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16, 6/17 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16, 6/17 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**	**X**			
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**				
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	**Follow up**				
Have post caps been installed as recommended by the manufacturer?	**Follow up**				
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	**Follow up**				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	**Follow up**				
Have gates been installed to allows gate to swing open at least 135 degrees?	**Follow up**				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	**Follow up**				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	**Follow up**				
Has waste fencing materials and other debris been removed from the site?	**Follow up**				
Have new surfaces been blended to existing areas?	**Follow up**				
Have drainage patterns been maintained as indicated on Drawings?	**Follow up**				
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	**Follow up**				
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	**Follow up**				
Are all areas to receive seed are free of vegetation and other objectionable material?	**Follow up**				
Have grades been verified prior to placement of seed?	**Follow up**				
Are all sloped areas uniformly compacted?	**Follow up**				
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	**Follow up**				
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	**Follow up**				
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	**Follow up**				
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	**Follow up**				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	**Follow up**				
Has seed been sown according to supplies instructions?	**Follow up**				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	**Follow up**				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	**Follow up**				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	**Follow up**				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	**Follow up**				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	**Follow up**				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**	**X**			Outfall rock placed on 6/21/11.
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual					
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/21/2011

Photo 1: Final Grading and Seeding – Installation of the outfall for the drainage swale.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 21, 2011

Photo 2: Final Grading and Seeding – Installation of the outfall for the drainage swale.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 21, 2011

Photo 3: Final Grading and Seeding – Installation of the drainage swale.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 21, 2011

Photo 4: Final Grading and Seeding – Installation of the drainage swale.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 21, 2011

Photo 5: Pavement Installation – Installation of the asphalt curb along Donahue. Sawcut the existing curb to allow for a smooth transition between the existing and new curbs. Connected the curb onto the offsite property to minimize runon to the site from the offsite portion of Donahue Street.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 21, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 22/JUNE/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 156

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Cool	68	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
07	Continue installing permanent perimeter fencing, final grading, started	ERRG	1	Project Manager	8
	scarifying the final lift, continued digging anchor trench for CTRM	ERRG	1	Superintendent	10
11	General site cleanup, removing temporary fence.	ERRG	1	QC Manager	10
		ERRG	1	SSHO	10
		ERRG	1	QC Staff	8
		ERRG	1	Truck Drivers	4
		ERRG	1	Equipment Operators	9
		ERRG	3	Laborers	20
		Dynaram Construction	4	Fencing Subcontractor	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	119
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	21684
TOTAL WORK HOURS FROM START OF CONSTRUCTION	21803

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
07, 11	Tailgate safety briefing, equipment inspections

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
11		Class 2 AB (24.2 tons)

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
07, 11	ERRG	2k Water truck	4
	United Rentals	J D 210 Skip loader	4
	Harris Blade	D-4G Bulldozer- 1ea	5
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	ERRG	JD 310 Backhoe	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/22/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/22/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK GRADING, TRENCHING ANCHOR TRENCH, WATER DISBURSEMENT IN TRENCH FENCING CONTRACTOR

SAFETY TOPICS PRESENTED

SAFETY TOPICS TRENCHER SAFETY, HYDRATION, AWKWARD OBJECTS, SHOVELING ERGO.

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE:

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
DAVID HASAL	ERRG	David Hasal
Villanueva Lelei	UKRG	[illegible]
Ken Mark	ERRG	[illegible]
VICENTE VALENCIA	ERRG	Vicente Valencia
PAUL RAMIREZ	Dynaram	[illegible]
Albert Ramirez JR	Dyna Ram	[illegible]
Herminio Soto	Dyna Ram	Herminio Soto
Erasmo SOTO	DYNA RAM	[illegible]
Elizabeth Creek	ERRG	[illegible]
Liz Binning	ERRG	[illegible]
JOHN SOURIAL	ERRG	[illegible]

Health & Safety Officer DICK EPP **SUPERINTENDENT** Bing Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: WEDNESDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOSING
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 6/22/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE – COOLER BUT HYDRATION STILL IMPORTANT, CARE WHEN WORKING AROUND TRENCHER, STAY CLEAR OF EQUIPMENT.

FENCING CONTRACTOR INSTALLING FABRIC.

GRADING, SCARIFYING TOP 6" FOR SOIL COVER CONTRACTOR.

SITE CLEANUP, MOVE CONEX, ETC.

BUILD WATER DISSIPATORS IN DRAINAGE TRENCH

TRENCHING ANCHOR TRENCHES

STRIPPED FORMS + BACKFILLED FINAL WALL EXTENSION

REMOVED PRIVACY SCREENING FROM NW TEMPORARY FENCE.

TEMP FENCE CONTRACTOR REMOVED NW BOUNDARY TEMP. FENCE.

EQUIPMENT IN USE: BULLDOZER, WATER TRUCK, SKIP LOADER, TRENCHER

Signed: Richard Epp Date: 6/22/11

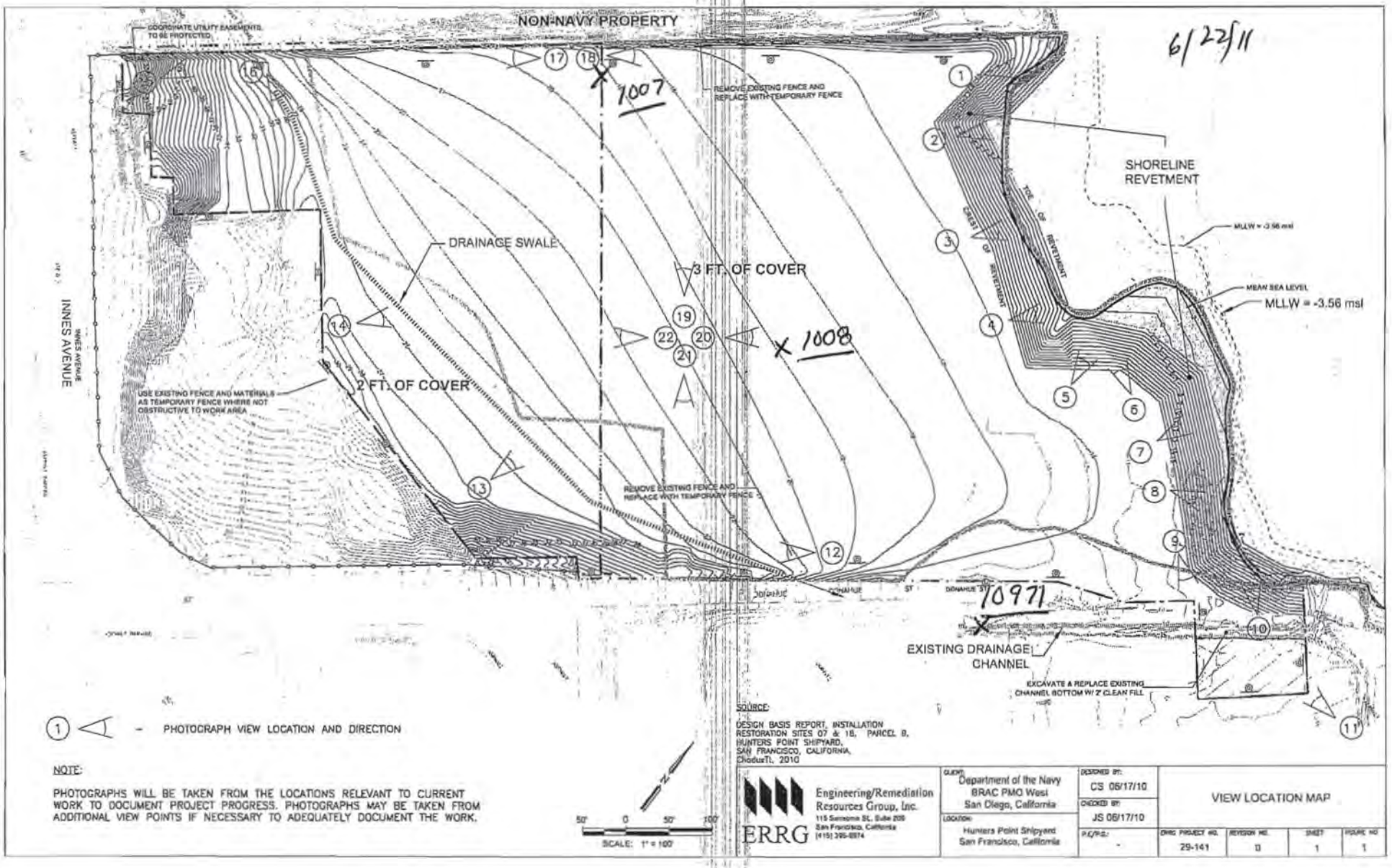
AIR MONITORING LOG SHEET

ERRG

Prepared by: DICK EPP
Project Name: REMEDIATE PARCEL B
Site Location: IR-07 + 18, HPS
Calibration (Date and Time): 1008 – 6/22/11 @ 0745

Client: US NAVY
Project No.: 29-141
Page: 1 of 1
Standard Used: AIR BAG

Location	Date	Time	Instrument CONC. ~~PID~~	Instrument TWA ~~DataRAM~~	Comments
10971	6/22/11	0800	0.008	0.003	
1008		0806	0.017	0.024	
1007		0808	0.011	0.010	
1007		0859	0.014	0.013	
1008		0903	0.020	0.018	
10971		0907	0.000	0.000	
1007		0955	0.003	0.014	
1008		0957	0.019	0.018	
10971		1007	0.000	0.000	
1007		1100	0.028	0.017	
1008		1103	0.027	0.020	
10971		1105	0.000	0.000	
10971		1245	0.008	0.007	
1008		1302	0.035	0.029	
1007		1306	0.030	0.022	
10971		1446	—	—	DEAD
1007		1454	0.041	0.024	
1008		1456	0.074	0.062	


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
MEAN SEA LEVEL
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
2 FT. OF COVER
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
INNES AVENUE
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
DONAHUE ST
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
1007
1008
1097
6/22/11
1 - PHOTOGRAPH VIEW LOCATION AND DIRECTION
NOTE:
PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChednaTL, 2010
50' 0 50' 100'
SCALE: 1" = 100'
ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 205
San Francisco, California
(415) 395-8574
CLIENT: Department of the Navy BRAC PMO West San Diego, California
LOCATION: Hunters Point Shipyard San Francisco, California
DESIGNED BY: CS 06/17/10
CHECKED BY: JS 06/17/10
P.E./P.G.: -
VIEW LOCATION MAP
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1
FIGURE NO. 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 22/JUN/11

REPORT NO 156

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ■ NO ☐

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
11	Site Cleanup and Demobilization	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
07	Finished installation of the permanent fence fabric along the northwest property boundary. Finished grading the drainage swale along the
	southern portion of the site. Continued installing the CTRM anchor trench. Performed final grading. Started scarifying the top 6-inches
	of cover soil to meet the compaction requirements. Verified that activities performed conformed to the final grading and seeding checklist.
11	Removed the temporary fence along the northwestern property boundary.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/22/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

INITIAL PHASE CHECKLIST

SPEC SECTION	DATE
31 00 00, 01 57 19.0020	22/JUN/11

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62473-09-D-2608	Site Cleanup and Demobilization	11	

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED 24 HOURS IN ADVANCE: YES ☒ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Elizabeth Binning	Quality Control Manager	ERRG
King Bailey	Site Superintendent	ERRG
Richard Epp	SSHO	ERRG
David Hasal	Grade Checker	ERRG
Ken Mark	Laborer	ERRG
Vicente Valencia	Laborer	ERRG
Vilamu Lelei	Laborer	ERRG
Elizabeth Creek	QC Officer	ERRG

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE WITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINATE PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENTS: Procedures are in compliance.

PRELIMINARY WORK

ENSURE PRELIMINARY WORK IS COMPLETE AND CORRECT. IF NOT, WHAT ACTION IS TAKEN?

General site cleanup activities will be performed after work has been completed in each area as to not duplicate efforts.

Equipment will be demobilized as it is no longer being used. Erosion controls will be installed at the end of the project to ensure that the site is buttoned up.

WORKMANSHIP

ESTABLISH LEVEL OF WORKMANSHIP.

WHERE IS WORK LOCATED? IR-07 and IR-18 in Parcel B, HPS, SF

IS SAMPLE PANEL REQUIRED? YES ☐ NO ☒

WILL THE INIITAL WORK BE CONSIDERED AS A SAMPLE? YES ☐ NO ☒

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENTS: None.

CHECK SAFETY

REVIEW JOB CONDITIONS USING EM 385-1-1 AND JOB HAZARD ANALYSIS

COMMENTS: EM 385-1-1 & site specific AHAs reviewed by SSHO.

OTHER

OTHER ITEMS OR REMARKS

Elizabeth Binning — QC MANAGER

6/22/2011 — DATE

Final Grading and Seeding

Date: 06/22/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15/11, 6/16/11, 6/17/11, 6/20/11, 6/22/11 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14/11, 6/21/11 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15/11, 6/16/11, 6/17/11 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**	**X**			
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**	**X**			Fence fabric placed on 6/22/11 meets this requirement
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**	**X**			Fence fabric placed on 6/22/11 meets this requirement

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	Follow up	X			
Have post caps been installed as recommended by the manufacturer?	Follow up	X			
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up				
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up				
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up	X			
Have drainage patterns been maintained as indicated on Drawings?	Follow up	X			
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up	X			
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up	X			
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up	X			
Have grades been verified prior to placement of seed?	Follow up	X			
Are all sloped areas uniformly compacted?	Follow up	X			
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up	X			
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	Follow up	X			
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	Follow up	X			
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up				
Has seed been sown according to supplies instructions?	Follow up				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	Follow up				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**	**X**			Outfall rock placed on 6/21/11.
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual					
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					

QC Manager: Elizabeth Binning	Date: 06/22/2011

Photo 1: Final Grading and Seeding – Installation of the permanent fence of the northwestern property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 22, 2011

Photo 2: Site Cleanup and Demobilization – Removal of the privacy screen on the temporary fence.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 22, 2011

Photo 3: Site Cleanup and Demobilization – Removal of the temporary fence after installation of the permanent fence.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 22, 2011

Photo 4: Final Grading and Seeding – Installation of the CTRM anchor trench.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 22, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 23/JUNE/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	157

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Cool	66	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
07	Continue scarifying surface to prepare for seeding start hydroseeding and	ERRG	1	Project Manager	10
	hydromulching, continue installing permanent perimeter fencing	ERRG	1	Superintendent	10
11	Continue installing BMPs along drainage swales, ontinue site cleanup	ERRG	1	QC Manager	10
		ERRG	1	H&S Manager	10
		ERRG	1	QC Staff	8
		ERRG	1	Truck Drivers	2
		ERRG	1	Equipment Operators	8
		ERRG	2	Laborers	14
		Dynoram	4	Fencing Subcontractor	40
		Selby's soil	4	Hydro seeding	40

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	152
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	21803
TOTAL WORK HOURS FROM START OF CONSTRUCTION	21955

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
07, 11	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
07, 11	ERRG	2k Water truck	2
	United Rentals	J D 210 Skip loader	8
	Harris Blade	D-4G Bulldozer- 1ea	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	ERRG	JD 310 Backhoe	0

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/23/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/23/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK Gnmal Cleanup

Seeding contractor on site. Fairing, site Clean up

SAFETY TOPICS PRESENTED

SAFETY TOPICS S,T+F - Loose soil, proper selection of tools

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Viliamu Celei	ERRG	[signature]
Vicente Valencia	ERRG	Vicente Valencia
Elizabeth Creek	ERRG	[signature]
Antonio Ramirez	Dynaram	Antonio Ramirez
Herminio Soto	Dynaram	Herminio Soto
PAUL RAMIREZ	Dynaram	Paul
Albert P Ramirez	DynaRam	[signature]
Erasmo Soto	DYNA RAM	[signature]
DAVID HASAL	ERRG	David Hasal
Liz Binning	ERRG	[signature]
JOHN SOURIAL	ERRG	[signature]
Rob Peters	[redacted] Selbys	[signature]
TROY MACONEY	SELBY'S	[signature]
Mike Gutierrez	Selby's Soil	[signature]
Justin WRIGHT	SelbysSoil	Justin Wright
Shirley Ng	[redacted] ROILL	Shirley Ng

Health & Safety Officer [signature] **SUPERINTENDENT** King Bailey

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	THURSDAY	Date:	6/23/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	CLEAR	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE - PROPER SELECTION OF TOOLS, S,T&F - LOOSE SOIL

GENERAL CLEANUP

SEEDING CONTRACTOR ON SITE, BEGAN HYDROSEEDING, SELBY SOIL CO.

FENCING CONTRACTOR INSTALLING FABRIC.

COMPACTION TESTING

TRENCHING ANCHOR TRENCH.

GRAD EQUIPMENT USED - WATER TRUCK, SKID LOADER

Signed: RJ Epp Date: 6/23/11

SEEDING

ERRG Project #: 29-141, Hunter's Point Naval Shipyard, Parcel B, IR07/18 AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	Kirby Bailey		6-23-2011 0700
Site Safety Officer:	DICK GRIP		6/23/11 @ 0700
Employee(s):	Rob Peters		6/23/11 @ 7:00
	TROY MALONEY		6/23/11 @ 7:00
	Mike Gutierrez		6/23/11 7:00
	JUSTIN WORTHITT		6/23/11 7:00
	Elizabeth Creek		6/23/11 0700
	JOHN SOURIAL		6/23/11 0700

AIR MONITORING LOG SHEET

ERRG

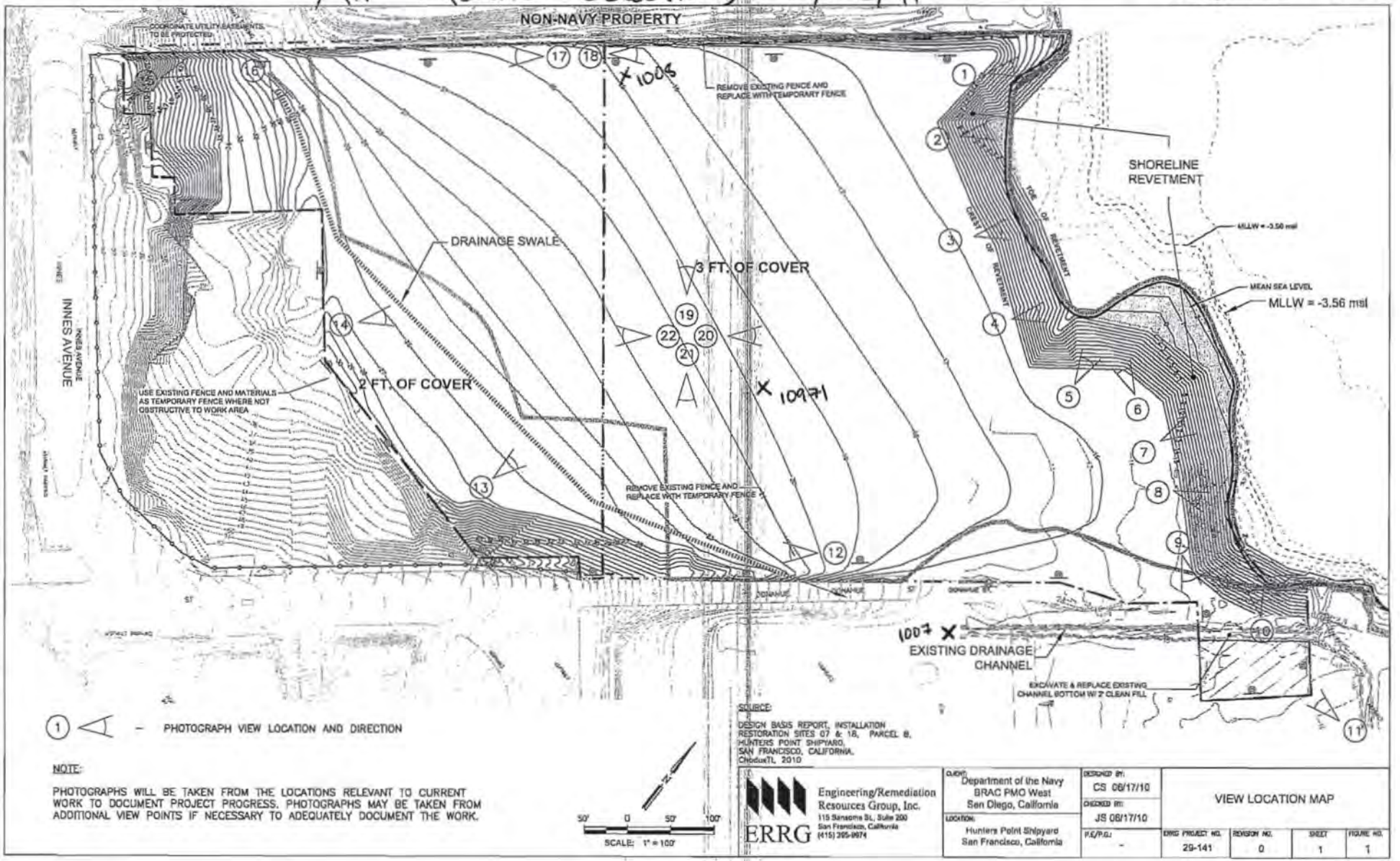
Prepared by: Elizabeth Creek
Project Name: HPNS IR07/18
Site Location: IR07/18 (Hunters Pt. SF)
Calibration (Date and Time):

Client: US Navy
Project No.: 2009-141
Page: 1 of
Standard Used:

Location	Date	Time	Instrument conc. ~~mg/m3 PID~~	Instrument TWA ~~mg/m3 DataRAM~~	Comments
1008	6/23/11	0759	0.090	0.105	
10971		0801	0.000	0.000	
1007		0806	0.051	0.052	
1008		0948	0.088	0.090	
10971		0950	0.000	0.000	
1007		0953	0.049	0.045	
1008		1057	0.097	0.092	
10971		1100	0.000	0.000	
1008		1103	0.046	0.048	
~~10971~~EL 1007		1207	0.109	0.098	
10971		1213	0.000	0.001	
1008		1332	0.104	0.080	
10971		1333	0.000	0.000	
1007		1337	0.042	0.053	
1008		1431	0.040	0.071	
10971		1434	0.000	0.000	
1007		1437	0.042	0.052	

Air Monitor Locations 6/23/11

Elizabeth Creal



CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 23/JUN/11

REPORT NO 157

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
07	Continued installation of the permanent fence along the southeastern IR boundary. Continued installing the CTRM anchor trench. Continued
	scarifying the top 6-inches of cover soil to meet the compaction requirements. Started performing compaction tests on the vegetative layer.
	Started hydroseeding and hydromulching the site. Verified that activities performed conformed to the final grading and seeding checklist.
11	Installed BMPs along the drainage channel.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/23/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

4296/2 (9/98)

Final Grading and Seeding

Date: 06/23/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**				
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15/11, 6/16/11, 6/17/11, 6/20/11, 6/22/11 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**				Seed will be delivered when the seeding subcontractors arrive onsite.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**				
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**				
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14/11, 6/21/11 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15/11, 6/16/11, 6/17/11 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**	**X**			
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**	**X**			Fence fabric placed on 6/22/11 meets this requirement
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**	**X**			Fence fabric placed on 6/22/11 meets this requirement

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	Follow up	X			
Have post caps been installed as recommended by the manufacturer?	Follow up	X			
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up				
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up				
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up	X			
Have drainage patterns been maintained as indicated on Drawings?	Follow up	X			
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up	X			
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up	X			
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up	X			
Have grades been verified prior to placement of seed?	Follow up	X			
Are all sloped areas uniformly compacted?	Follow up	X			
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11 meet this requirement.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11 meet this requirement.
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	Follow up	X			
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up				
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up				
Has seed been sown according to supplies instructions?	Follow up				
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up				
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up				
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up				
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up				
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up				
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	Follow up				
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**				
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**				
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**				
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**				
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**	**X**			Outfall rock placed on 6/21/11.
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual					
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/23/2011

ERRG

Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. MC3
6/23/11	29-141	HPS 1R-07-18	Am-241 / Cs-137	Density Std. 25462
Inspector: E. BINNING	Project Engineer: E. BINNING	Other		Moisture Std 17202
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-57	113.0		15.4	scarified with dozer teeth
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
< 85%	NA		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
337		6"	94.2	3.5	90.7	3.9	80	A2	0'
338		6"	104.7	9.9	94.7	10.5	84	A1	+0.5'
339		6"	101.5	9.3	92.2	10.1	82	B1	+0.5'
340		6"	85.8	7.7	78.1	9.9	69	B2	+0.5'
341		6"	90.5	9.6	88.8	10.9	79	C3	+0.5'
342		6"	89.2	7.4	81.7	9.1	72	C4	+0.5'
343		6"	95.8	7.1	88.7	8.0	78	D4	+0.5'
344		6"	86.0	7.0	79.0	8.8	70	E5	+0.5'
345		6"	97.3	7.9	89.3	8.9	79	D5	+0.5'
346		6"	106.5	11.0	95.5	11.6	85	D6	+1.5'
347		6"	95.4	10.4	85.1	12.2	75	E6	+2.0'
		Average							

Remarks:

Inspector:

Reviewed:

ERRG
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Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/23/11	Job No. 29-141	Project/Location HPS 1R-07+-08	Source Material Am-241 / Cs-137	Density Std. 25462
Inspector E. BINNING	Project Engineer E. BINNING	Other		Moisture Std 17202
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-57	113.0		15.4	scarified using dozer teeth
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
<85%	NA		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
348		6"	102.6	7.9	94.7	8.4	84	F6	+2'
349		6"	91.9	9.3	82.6	11.2	73	F1	+0.25'
350		6"	89.0	6.6	82.4	8.0	73	E1	+0.25'
351		6"	101.2	8.5	92.7	9.2	82	D1	+1.25'
352		6"	99.0	9.0	90.0	10.0	80	C1	+0.75
353		6"	82.8	9.9	72.9	13.6	65	C2	+0.25'
354		6"	94.9	9.0	85.8	10.5	76	D2	+0.25'
355		6"	102.3	7.0	95.3	7.4	84	E2	+0.25'
356		6"	99.8	7.0	92.8	7.6	82	D3	+0.75'
357		6"	89.1	7.9	81.2	9.7	72	E3	+0.25'
358		6"	87.6	6.6	81.0	8.1	72	E4	+0.25'
		Average							

Remarks:

Inspector:

Reviewed:

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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No. MC3
6/23/11	29-141	HPS IR-07+-18	Am-241 / Cs-137	Density Std. 25462
Inspector	Project Engineer	Other		Moisture Std
E. BINNING	E. BINNING			17602

Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-PIA-57	113.0		15.4	

Specified % Compaction	Specified % Water	Lab Test Method	Field Test Method
≥85%	NA	ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
359		6"	101.7	8.3	93.5	8.8	83	F5	+0.25'
360		6"	106.6	10.8	95.9	11.2	85	F4	+0.25'
361		6"	85.8	7.8	78.0	10.1	69	F3	+0.25'
362		6"	98.0	6.7	91.3	7.3	81	F2	+0.25'
363		6"	88.1	8.8	79.3	11.1	70	G1	+0.25'
364		6"	85.3	8.9	76.4	11.6	68	H1	+1.25'
365		6"	100.8	12.0	88.8	13.5	79	I1	+1.25'
366		6"	100.4	11.3	89.1	12.7	79	J1	+1.25'
367		6"	101.5	11.5	90.0	12.8	80	J2	+0.25'
368		6"	95.9	9.6	86.3	11.1	76	I2	+0.75'
369		6"	102.6	7.2	95.4	7.5	84	H2	+0.75'
		Average			#EB				

Remarks:

Inspector:

Reviewed:

ERRG

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Phone: (925) 969-0750
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SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

Date/Time	Job No.	Project/Location	Source Material	Gauge No.
6/23/11	29-141	HPS IR-07+-18	Am-241 / Cs-137	MC3
Inspector	**Project Engineer**	**Other**		**Density Std.**
E. BINNING	E. BINNING			25462
				Moisture Std
				17202

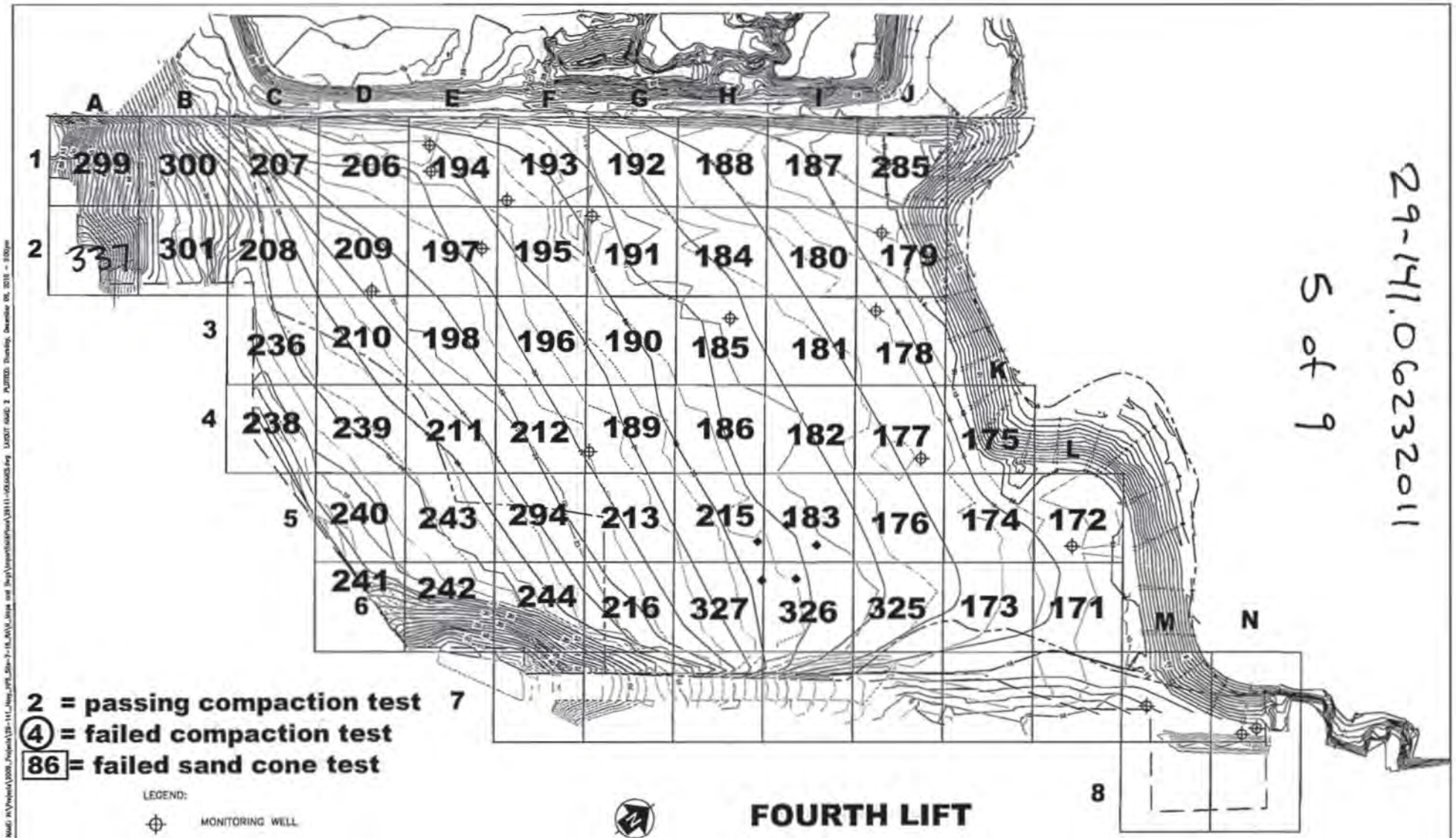
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-57	113.0		15.4	scarified using dozer teeth

Specified % Compaction	Specified % Water	Lab Test Method	Field Test Method
< 85%	NA	ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
370		6"	99.6	11.2	88.4	12.7	78	G2	+0.75'
371		6"	91.7	8.5	83.2	10.2	74	G3	+1.25'
372		6"	98.0	9.3	88.7	10.5	78	H3	+0.25'
373		6"	105.1	9.8	95.3	10.3	84	I3	+0.25'
374		6"	90.5	10.0	80.5	12.4	71	J3	+0.25'
375		6"	96.3	11.1	85.2	13.0	75	G4	+0.25'
376		6"	91.4	8.3	83.1	10.0	74	G5	+0.25'
377		6"	103.2	8.9	94.3	9.4	83	G6	+0.25'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____



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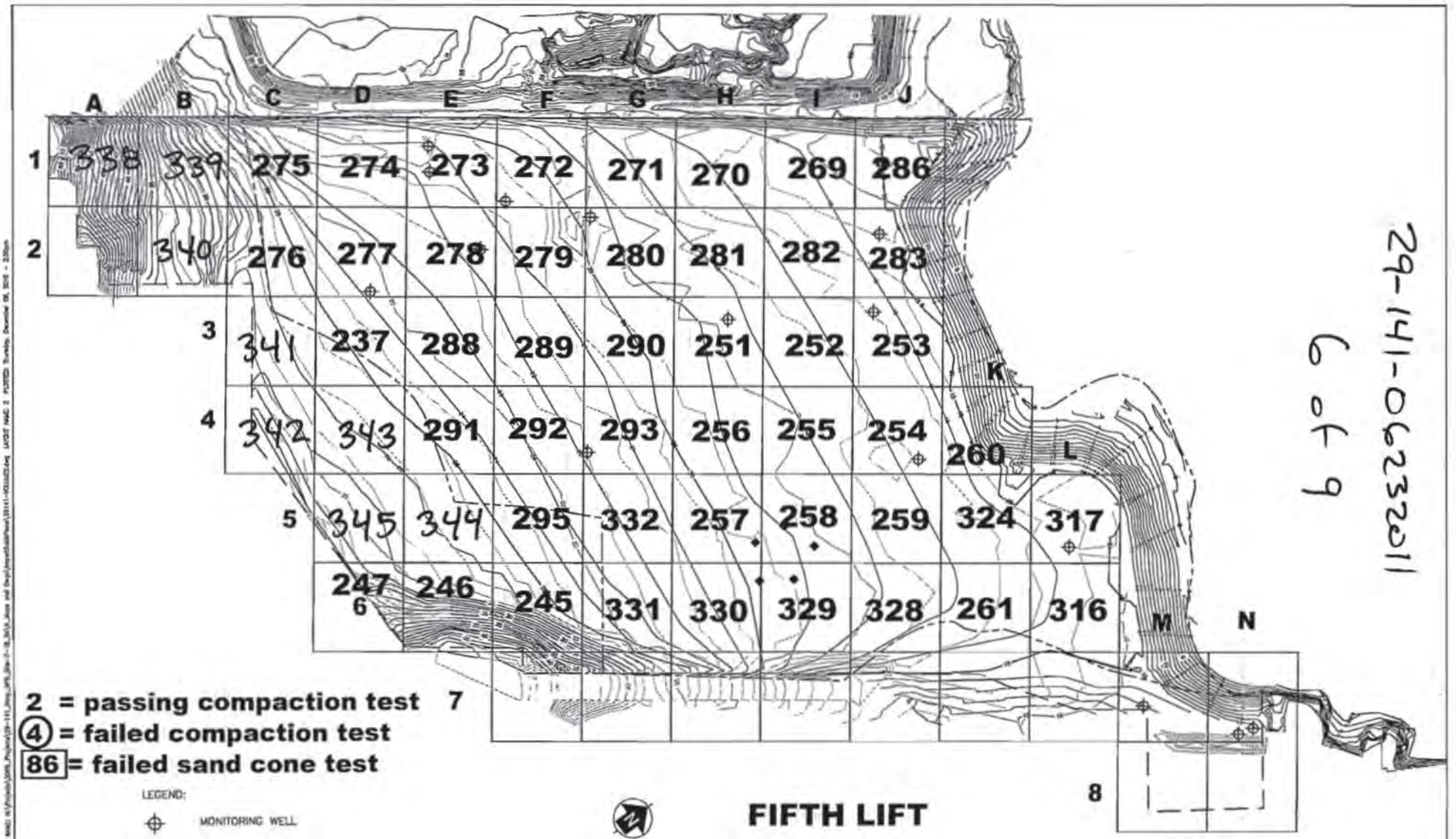
ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9774	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1



29-141-062311
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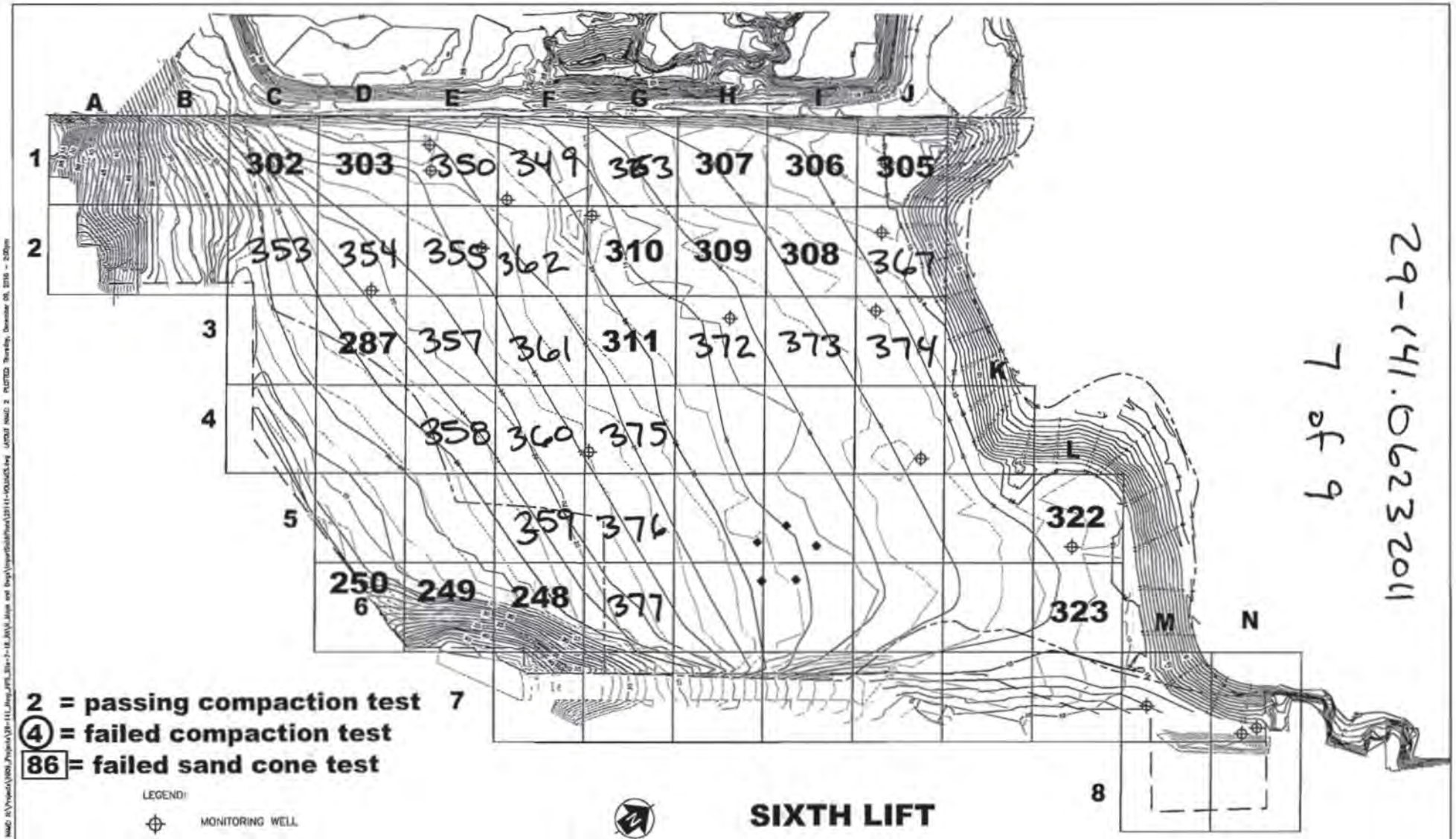
ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1



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7 of 9

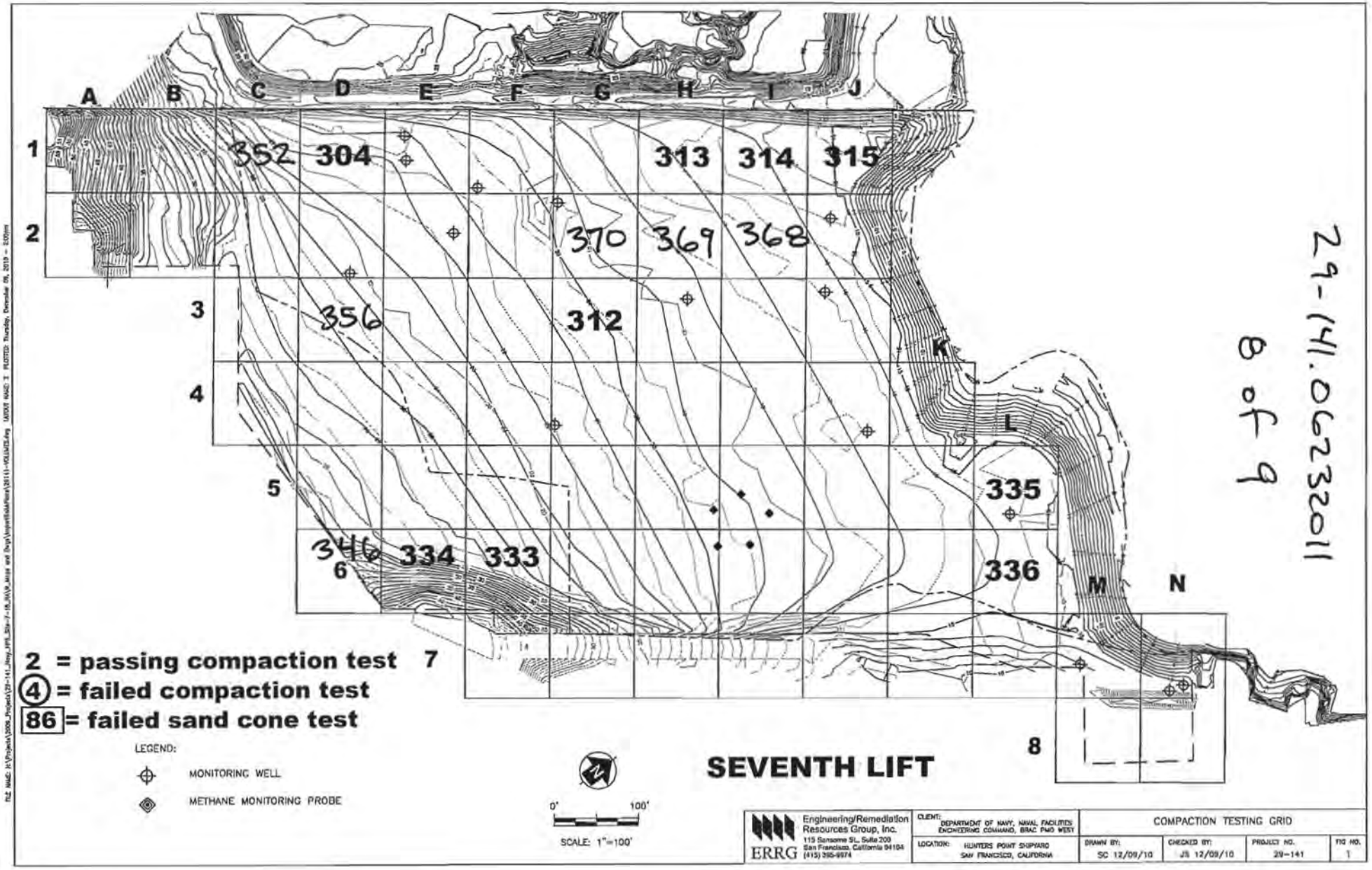
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-0874
ERRG

CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST

LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA

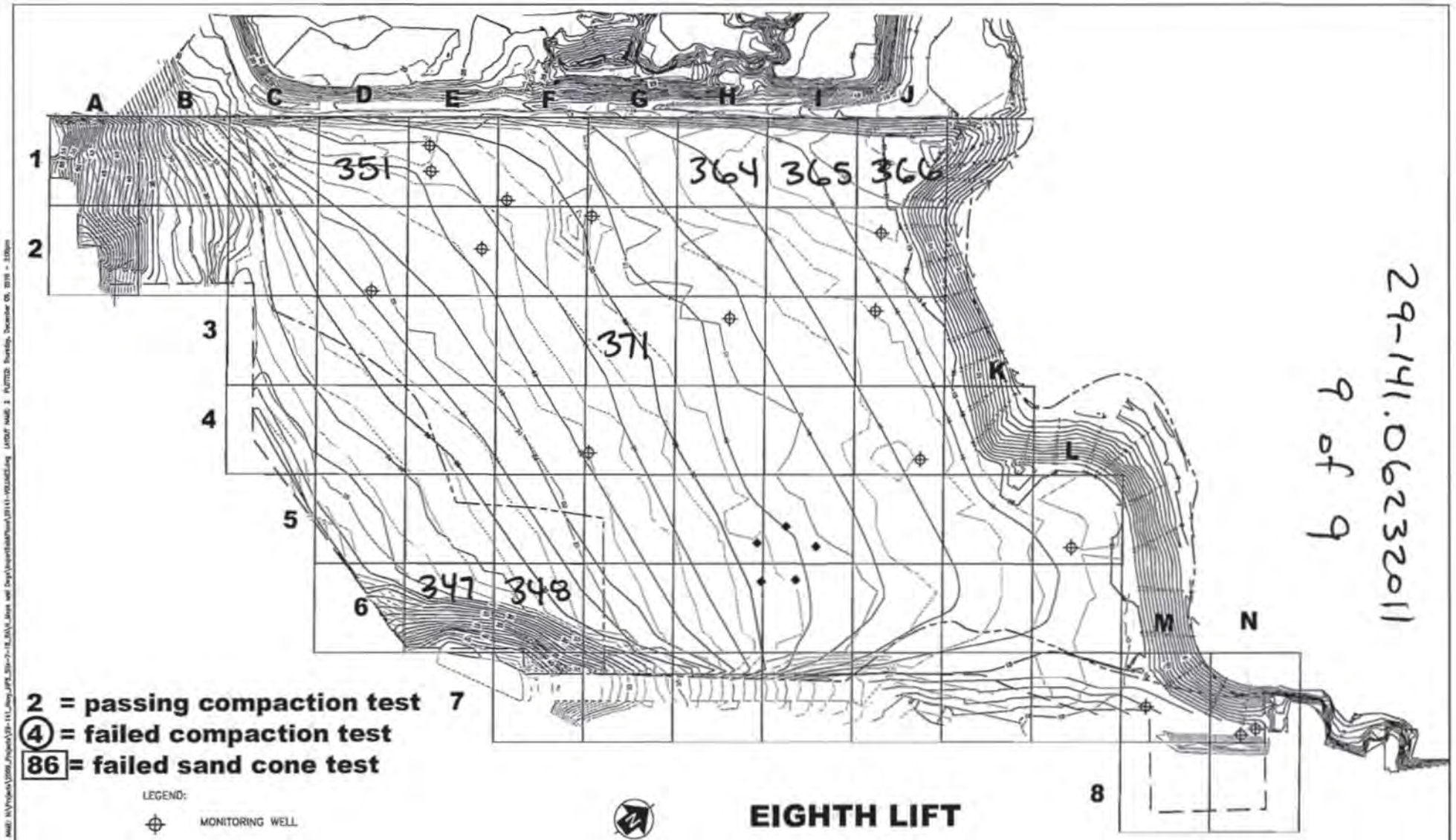
COMPACTION TESTING GRID

DRAWN BY:	CHECKED BY:	PROJECT NO.	FIG NO.
SC 12/09/10	JS 12/09/10	29-141	1



29-141.0623211
8 of 9

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9974	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST	COMPACTION TESTING GRID		
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO. 29-141	FIG NO. 1



29-141.06232011
9 of 9

ERRG Engineering/Remediation Resources Group, Inc. 116 Sansome St., Suite 200 San Francisco, California 94104 (415) 399-8971	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, WEAC PWD WEST	COMPACTION TESTING GRID			
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10	PROJECT NO: 29-141	FIG NO. 1

Photo 1: Final Grading and Seeding – Installation of the CTRM anchor trench along the top of the slope at the northwestern property boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 23, 2011

Photo 2: Final Grading and Seeding – Scarifying the top 6 inches of cover soil to meet the compaction requirements.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 23, 2011

Photo 3: Final Grading and Seeding – Application of hydroseed on the western corner of the property.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 23, 2011

Photo 4: Final Grading and Seeding – Application of hydroseed on areas of the site that have been scarified and tested to ensure that compaction requirements have been met.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 23, 2011

Photo 5: Final Grading and Seeding – Application of hydromulch on the western corner of the property in areas that have previously been hydroseeded.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 23, 2011

Photo 6: Final Grading and Seeding – Installation of the permanent fence along the southeastern IR boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Creek (ERRG, Inc.) Date: June 23, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 24/JUNE/11

CONTRACT NO	TITLE AND LOCATION	REPORT NO
N62473-09-D-2608	RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	158

CONTRACTOR	SUPERINTENDENT
Engineering/Remediation Resources Group, Inc.	King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny / Cool	Sunny / Cool	70	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
07	Continue installing hydroseed, stage CTRM for installation next week	ERRG	1	Project Manager	6
	Lay class II aggregate base on entrance	ERRG	1	Superintendent	9
11	Continue site clean up	ERRG	1	QC Manager	9
		ERRG	1	SSHO	9
		ERRG	1	QC Staff	8
		ERRG	1	Truck Drivers	4
		ERRG	1	Equipment Operators	8
		ERRG	4	Laborers	28
		Selby's soil	3	Hydro seeding	28

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	109
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	21955
TOTAL WORK HOURS FROM START OF CONSTRUCTION	22064

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
07, 11	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
07, 11	ERRG	2k Water truck	4
	United Rentals	J D 210 Skip loader	0
	Harris Blade	D-4G Bulldozer- 1ea	0
	United Rentals	25 KW Generators - 2ea	48
	ERRG	25KW Generator - 1ea	12
	SCS Tracer	Air Monitoring skids	48
	ERRG	JD 310 Backhoe	8

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/24/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/24/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK Hydroseeding, Ground Cleanup, striping CTRM, erosion control, [redacted]

SAFETY TOPICS PRESENTED

SAFETY TOPICS Equipment safety Checks

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
VICENTE VALENCIA	ERRG	Vicente Valencia
GUADALUPE TRUJILLO	ERRG	Guadalupe Trujillo
Ken Merle	ERRG	K. Merle
Fernando Trujillo	ERRG	Fernando Trujillo
William [illegible]	ERRG	[illegible]
Justin WRIGHT	Selby's	Justin Wright
Kole Peters	Selby's	
TROY MALONEY	SELBY'S	
Mike Gutierrez	Selby's	
Elizabeth Creek	ERRG	
Liz Bianing	ERRG	

Health & Safety Officer DICK [illegible] **SUPERINTENDENT** [illegible]

SIGNATURE [signature] **SIGNATURE** [signature]

DAILY FIELD ACTIVITY LOG

RG

Prepared by	Richard Epp	Client:	Dept of the Navy
Day	FRIDAY	Date:	6/24/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	CLOUDY	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE - EQUIPMENT SAFETY & AWARENESS - HOW CAN I GET HURT?

HYDROSEEDING CONTRACTOR ON SITE

SITE CLEANUP

SCARIFYING FOR HYDROSEED

REMOVING FENCE @ WATERLINE (TEMPORARY FENCE)

INSTALL WADDLE ALONG NW SIDE OF DRAINAGE TRENCH

STAGING CTRM BUNDLES

ERM EQUIPMENT IN USE: SKID LOADER, WATER TRUCK

Signed: Date: 6/24/11

ERRG

DAILY HEAVY EQUIPMENT INSPECTION CHECKLIST

Equipment Type: WATER TRUCK **Identification Number:** ERRG WATER TRUCK

Project Number / Name: 29141060Z VICENTE VALENCIA **Rental** ☐ **ERRG** ☒

Inspected By (Initials) And Date:	NN 6/20/11														
Heavy Equipment Defects	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
Tires and rims	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Tracks	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑
Steps and handgrips	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Guards on moving parts?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Engine belts and hoses	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Fluid levels acceptable?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Loading/lifting capacity marked?	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑
Seat belt operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Fire extinguisher present?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Windows and mirrors unbroken?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Gauges operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Battery charged?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Windshield wipers operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Horn operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Back up alarm operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Lights and signals operative?	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Steering and other controls	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐
Brakes	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐

Defect(s):

Explain corrective actions taken:

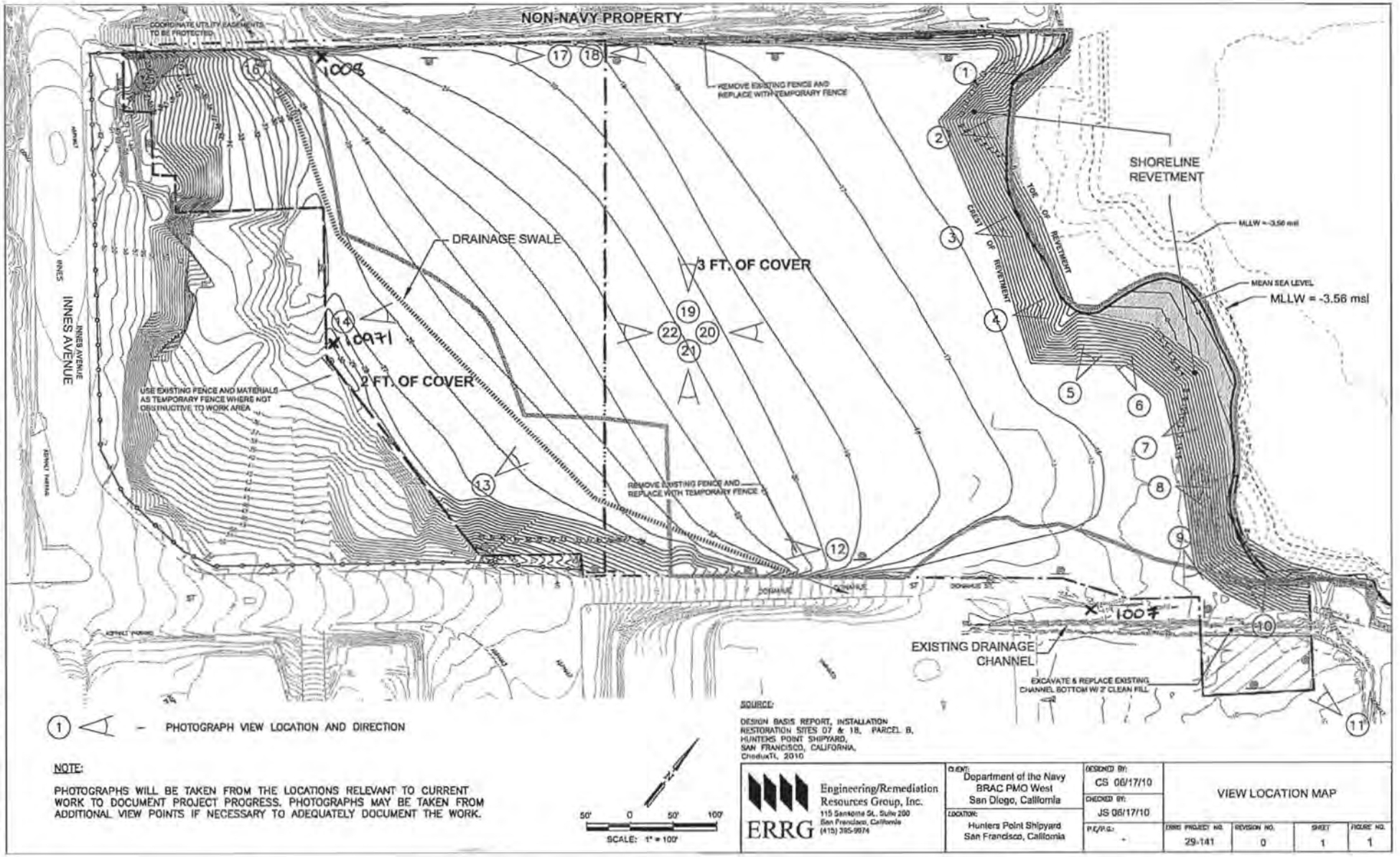
AIR MONITORING LOG SHEET

ERRG

Prepared by: E. Creek
Project Name: HPNS IR07/18
Site Location: Hunters Point, SF California
Calibration (Date and Time):

Client: US Navy
Project No.: 29-141
Page: 1 of
Standard Used:

Location	Date	Time	Instrument conc. mg/m3 ~~PID~~	Instrument TWA mg/m3 ~~DataRAM~~	Comments
10971	6/24/11	0756	0.004	0.008	
1008		0759	0.058	0.072	
1007		0805	0.086	0.071	
10971		0911	0.004	0.005	
1008		0913	0.063	0.065	
1007		0918	0.084	0.076	
1008		1020	0.064 ec	0.063	
10971		1022	0.000	0.004	
1007		1030	0.074	0.080	
10971		1118	0.000	0.001 ec	
1008		1211	0.053	0.062	
10971		1214	0.002	0.000	
1008		1219	0.083	0.060	
1007		1222	0.000	0.090	
1007		1331	0.072	0.089	
10971		1337	0.000	0.000	
1008		1342	0.000	0.056	
10971		ec 1447	0.016	0.006	
1008		1450	0.075	0.057	
ec 1007		1457	0.098	0.094	
10971		1545	off	off	battery dead
1008		1548	0.057	0.059	
1007		1553	off	off	battery dead


NON-NAVY PROPERTY
COORDINATE UTILITY EASEMENTS TO BE PROTECTED
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
SHORELINE REVETMENT
TOE OF REVETMENT
CREST OF REVETMENT
MLLW = -3.56 msl
MEAN SEA LEVEL
MLLW = -3.56 msl
DRAINAGE SWALE
3 FT. OF COVER
2 FT. OF COVER
INNES AVENUE
USE EXISTING FENCE AND MATERIALS AS TEMPORARY FENCE WHERE NOT OBSTRUCTIVE TO WORK AREA
REMOVE EXISTING FENCE AND REPLACE WITH TEMPORARY FENCE
EXISTING DRAINAGE CHANNEL
EXCAVATE & REPLACE EXISTING CHANNEL BOTTOM W/ 2' CLEAN FILL
1 – PHOTOGRAPH VIEW LOCATION AND DIRECTION
SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, CheduxTL, 2010
NOTE:
PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.
50' 0 50' 100'
SCALE: 1" = 100'
ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome St, Suite 200
San Francisco, California
(415) 395-9974
CLIENT: Department of the Navy
BRAC PMO West
San Diego, California
LOCATION: Hunters Point Shipyard
San Francisco, California
DESIGNED BY: CS 06/17/10
CHECKED BY: JS 06/17/10
P.E./P.G.:
VIEW LOCATION MAP
ERRG PROJECT NO. 29-141
REVISION NO. 0
SHEET 1
FIGURE NO. 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 24/JUN/11

REPORT NO 158

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
07	Continued installation of the permanent fence along the southeastern IR boundary. Finished scarifying the top 6-inches of cover soil to meet
	the compaction requirements. Finished performing compaction tests on the vegetative layer. Finished hydroseeding and hydromulching
	the site. Started staging CTRM along the top of the slopes in IR-18. Started grading and installing aggregate base for the site entrance.
	Verified that activities performed conformed to the final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/24/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Final Grading and Seeding

Date: 06/24/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**	**X**			
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15/11, 6/16/11, 6/17/11, 6/20/11, 6/22/11, 6/23/11 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**	**X**			.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**	**X**			
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**	**X**			
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14/11, 6/21/11 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15/11, 6/16/11, 6/17/11 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**	**X**			
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**	**X**			Fence fabric placed on 6/22/11, 6/23/11 meets this requirement
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**	**X**			Fence fabric placed on 6/22/11, 6/23/11 meets this requirement

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	Follow up	X			
Have post caps been installed as recommended by the manufacturer?	Follow up	X			
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up				
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up				
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up	X			
Have drainage patterns been maintained as indicated on Drawings?	Follow up	X			
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up	X			
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up	X			
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up	X			
Have grades been verified prior to placement of seed?	Follow up	X			
Are all sloped areas uniformly compacted?	Follow up	X			
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	Follow up	X			
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up	X			
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up	X			
Has seed been sown according to supplies instructions?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up	X			
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up	X			
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	Follow up			X	
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	Follow up			X	

Requirement	Phase	Yes	No	N/A	Comments
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**	**X**			
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**			**X**	
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**			**X**	
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**	**X**			
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**				
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**				
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**				
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**				
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**				
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**				
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**	**X**			Outfall rock placed on 6/21/11.
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual					
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/23/2011

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. MC3
Date/Time 6/24/11	Job No. 29-141	Project/Location HPS 1R-07+-18	Source Material Am-241 / Cs-137	Density Std. 25485
Inspector E. BINNING	Project Engineer E. BINNING	Other		Moisture Std 17015
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-57	113.0		15.4	scarified using dozer teeth
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
≥ 85%	NA		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
378			98.4	11.1	87.3	12.7	77	H4	+0.25'
386			93.5	8.0	85.5	9.4	76	H5	+0.25'
387			94.1	9.9	84.2	11.8	75	H6	+0.25'
388			99.8	10.3	89.5	11.5	79	I6	+0.25'
389			93.5	11.2	82.3	13.6	73	J6	+0.25'
392			104.9	11.4	93.5	12.2	83	H7	0'
393			104.2	9.2	95.0	9.7	84	L7	0'
394			101.3	10.2	91.1	11.2	81	K7	0'
395			99.6	7.8	91.8	8.5	81	J7	0'
		Average							

Remarks: _____

Inspector: _____ Reviewed: _____

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
Phone: (925) 969-0750
Fax: (925) 969-0751

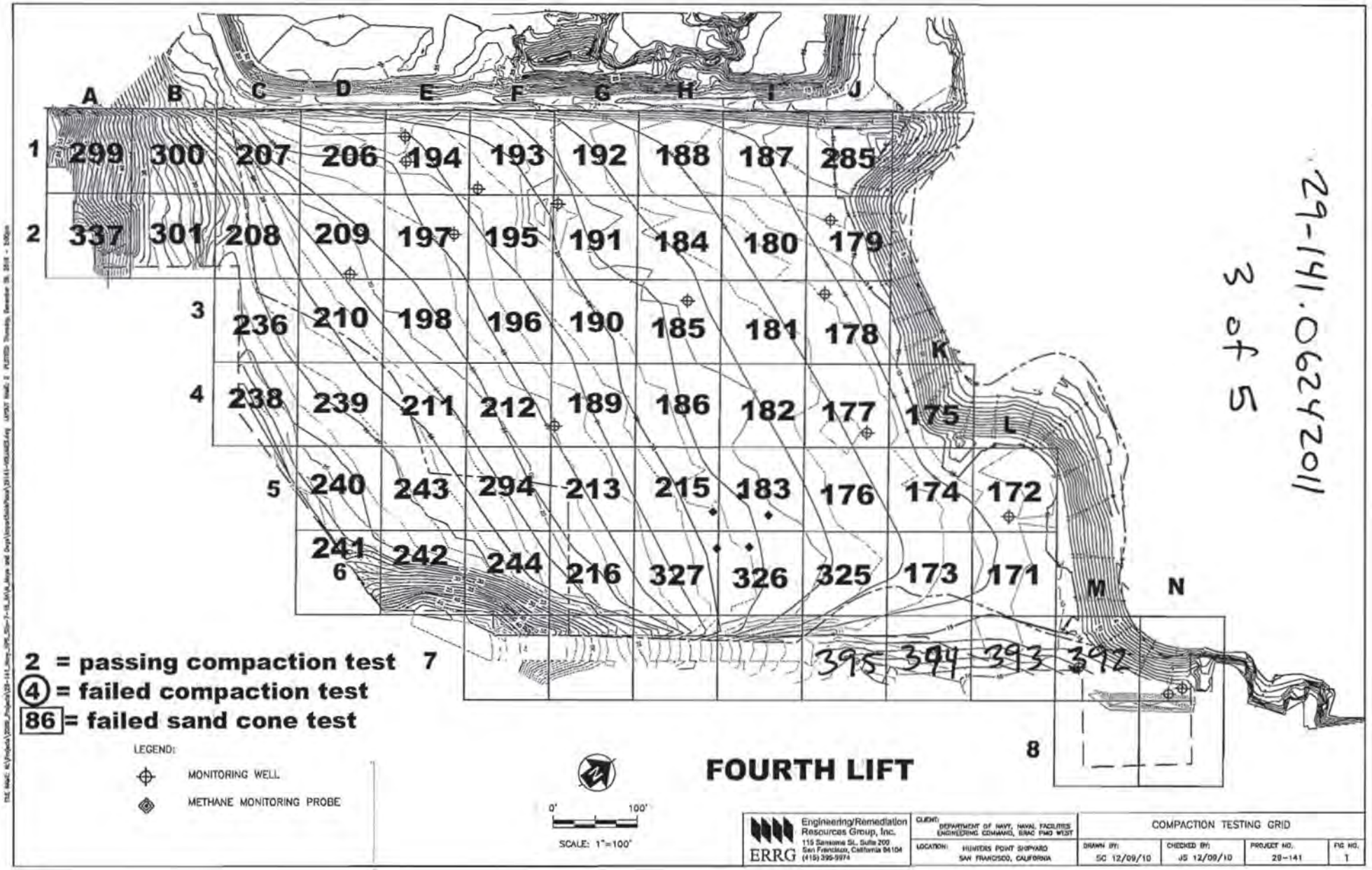
SOILS TESTING NUCLEAR DENSITY/MOISTURE GAUGE FIELD TEST REPORT

				Gauge No. 4C3
Date/Time 6/24/11	Job No. 29-141	Project/Location HPS 1R-07+-18	Source Material Am-241 / Cs-137	Density Std. 25485
Inspector F. BINNING	Project Engineer E. BINNING	Other		Moisture Std 17015
Curve No.	Max. Density (PCF)	Min. Density (PCF)	Optimum Water (%)	Equipment in Use
BS-DIA-54	112.1		14.5	scarified using dozer teeth
Specified % Compaction	Specified % Water		Lab Test Method	Field Test Method
<85%	NA		ASTM D-1557	ASTM D-2922 ASTM D-3017

		Gauge Readings							
Test No.	Retest	Test Depth	Total Density	Total Water	Dry Density	% Water	%Proctor (% compact)	Location	Elevation
379		6"	92.1	8.2	83.9	9.8	75	I4	+0.25'
380		6"	92.5	8.1	84.4	9.6	75	J4	+0.25'
381		6"	101.4	10.2	91.2	11.2	81	K4	+0.25'
382		6"	103.3	11.5	91.8	12.5	82	L5	+1.25'
383	*	6"	107.7	7.4	100.3	7.4	89	K5	+0.25'
384		6"	94.4	8.3	86.1	9.6	77	J5	+0.25'
385		6"	101.2	8.3	92.9	8.9	83	I5	+0.25'
390		6"	97.6	9.7	87.9	11.0	78	K6	+0.25'
391	*	6"	107.3	7.8	99.5	7.8	89	L6	+1.25'
396	383R	6"	86.2	7.2	79.0	9.1	70	K5	+0.25'
397	391R	6"	90.2	7.0	83.2	8.4	74	L6	+1.25'
		Average							

Remarks: Test 396 is a retest of test 383. Test 397 is a retest of test 391.

Inspector: _____ Reviewed: _____



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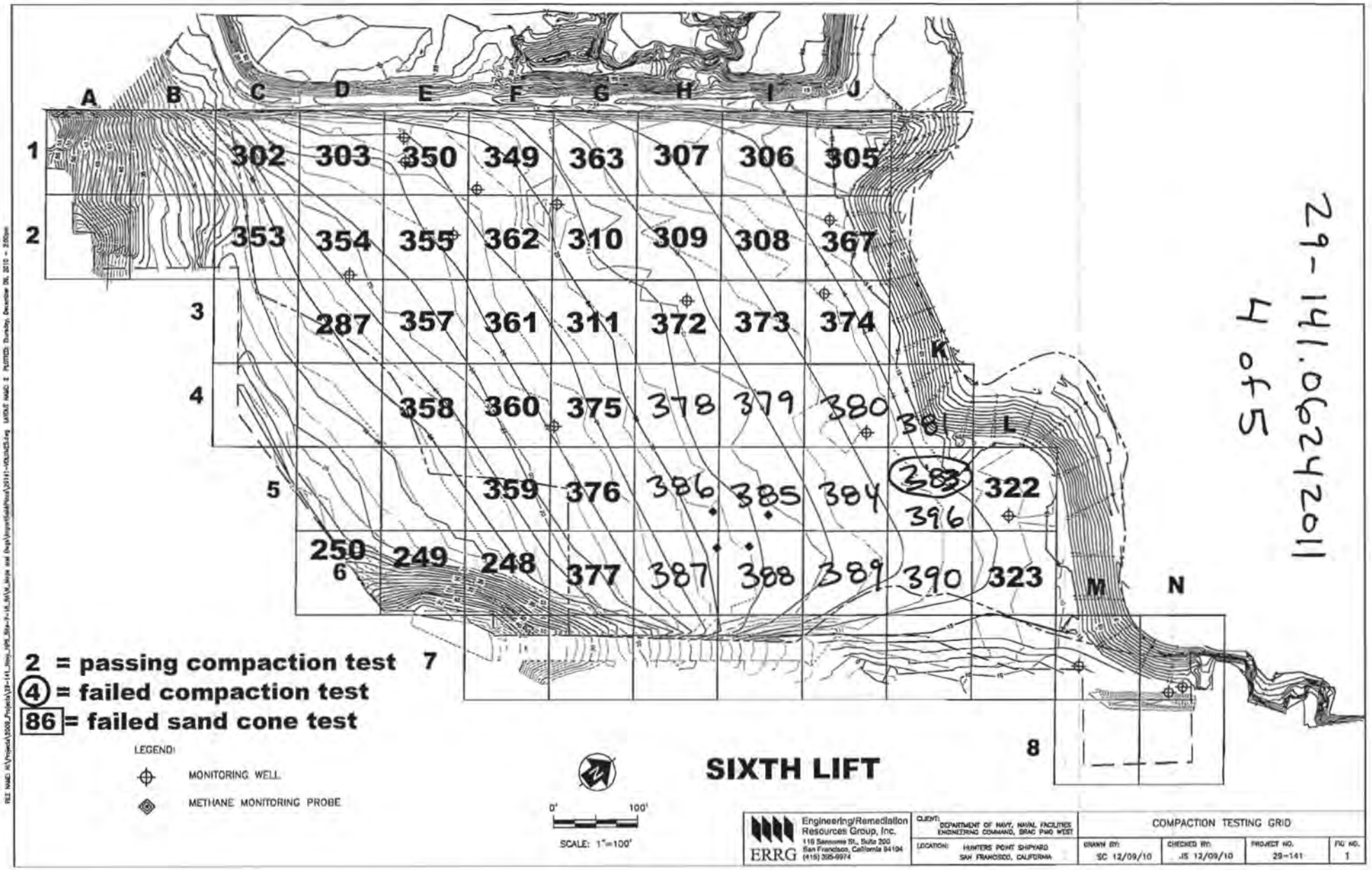
Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California 94104 (415) 395-9974 ERRG	CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, EFAC PAO W13ST	COMPACTION TESTING GRID	
	LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA	DRAWN BY: SC 12/09/10	CHECKED BY: JS 12/09/10
		PROJECT NO. 29-141	FIG NO. 1



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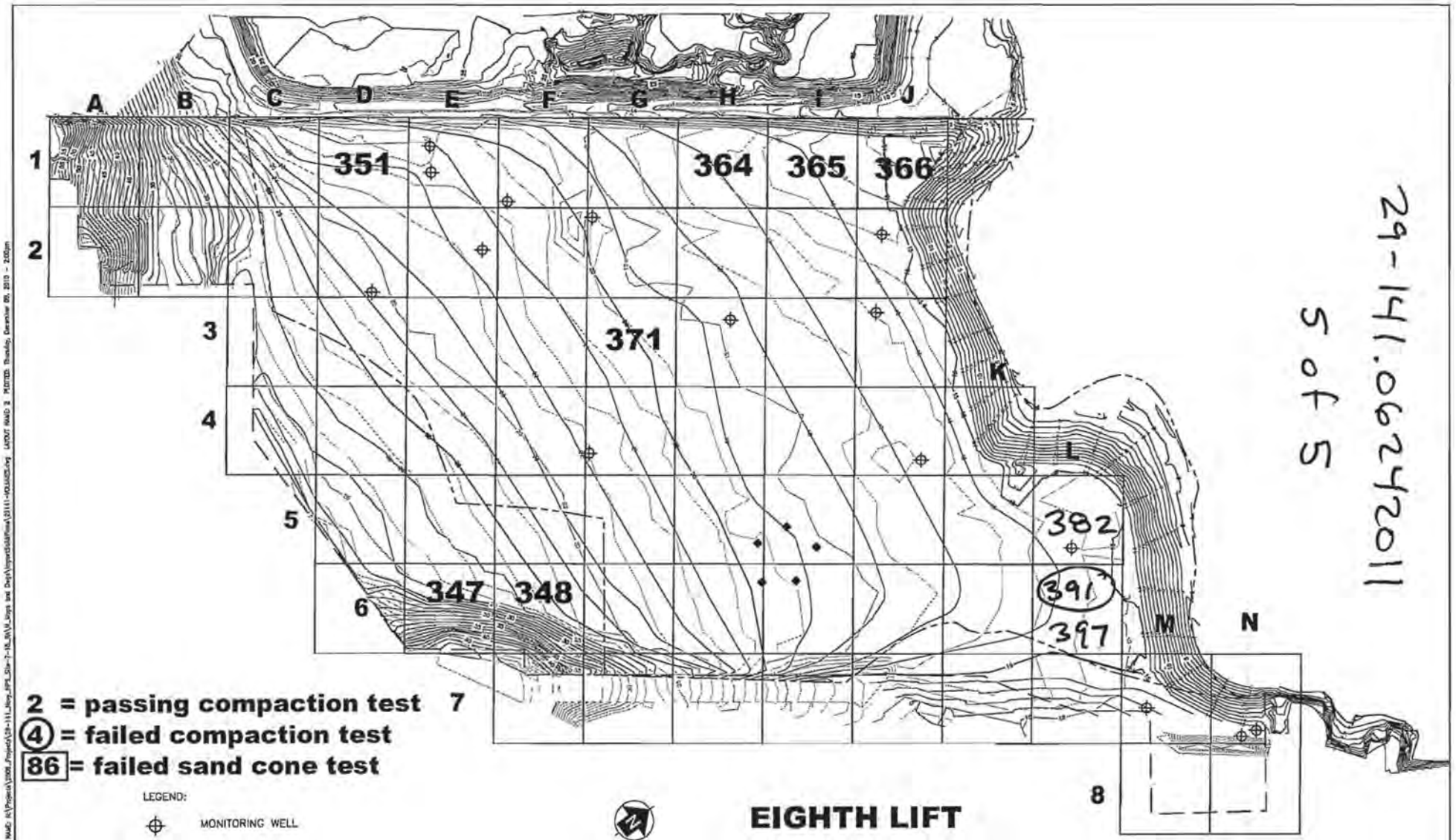

Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-9974
ERRG

CLIENT: DEPARTMENT OF NAVY, NAVAL FACILITIES ENGINEERING COMMAND, BRAC PMO WEST

LOCATION: HUNTERS POINT SHIPYARD SAN FRANCISCO, CALIFORNIA

COMPACTION TESTING GRID

DRAWN BY:	CHECKED BY:	PROJECT NO.	FIG NO.
SC 12/09/10	JS 12/09/10	29-141	1

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11024290.141-42

Photo 1: Final Grading and Seeding – Application of hydroseed along the top of the shoreline.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 24, 2011

Photo 2: Final Grading and Seeding – Completed application of hydroseed and hydromulch.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 24, 2011

Photo 3: Final Grading and Seeding – Installation of the rocked entrance to the site.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 24, 2011

Photo 4: Final Grading and Seeding – Placement of aggregate base along the entrance to the site.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 24, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 27/JUNE/11	REPORT NO: 159
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Sunny / Cold	PM WEATHER: Sunny / cool	MAX TEMP (F): 65	MIN TEMP (F): 53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
07	Staging CTRM to install, Installing CTRM; installed 9 rolls	ERRG	1	Project Manager	2
	Continue installing permanent perimeter fencing.	ERRG	1	Superintendent	10
		ERRG	1	QC Manager	10
		ERRG	1	SSHO	10
		ERRG	1	QC Staff	9
		ERRG	0	Truck Drivers	0
		ERRG	0	Equipment Operators	0
		ERRG	3	Laborers	24
		Dynaram Construction	3	Fencing contractor	30
		18 Trucking	1	Rock delivery	2

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	97
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	22064
TOTAL WORK HOURS FROM START OF CONSTRUCTION	22161

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
07		24.67 tons of C2AB rec'd

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
07	ERRG	2k Water Truck	0
	United Rentals	J D 210 Skip loader	0
	ERRG	25W Generator - 1ea	12

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/27/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/27/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK Laying CTKM

SAFETY TOPICS PRESENTED

SAFETY TOPICS ~~Laying CTKM~~ Communications

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Paul Rodriguez	ERRG	
Ken Mark	ERRG	
Vicente Valencia	ERRG	
Elizabeth Creek	ERRG	
Liz Binning	ERRG	
JOHN SOURIAL	ERRG	
Antonio Ramirez	Dynaram	
Albert P Ramirez	Dyna Ram	
PAUL RAMIREZ	Dynaram	
Shirley Ng	EDICC	
Scott Henderson	EDICC	

Health & Safety Officer DICK OTT **SUPERINTENDENT** Kirby Bailey

SIGNATURE **SIGNATURE**

DAILY FIELD ACTIVITY LOG

RG

Prepared by:	Richard Epp	Client:	Dept of the Navy
Day:	MONDAY	Date:	6/27/11
Project Name:	HPS Remediation Sites 7-18 Parcel B, Hotspots	Project No.:	29-141
Weather:	OVERCAST	Page:	1 of 1
Site Visitors:	See Tailgate Sign In Log.		

Description of Field Activities:

0700 SAFETY TAILGATE – COMMUNICATION.

STAGE ALL CTRM & INSTALL

FENCE CONTRACTOR ON SITE

REMOVED BASE ROCK

Signed: [signature]

Date: 6/27/11

ERRG Project #: 29-191, B680 PCB Encapsulation, Mare Island AHA #:

Title/Position:	Print Name	Signature	Date/Time
Superintendent:	Bay Bailey		6-27-11 0700
Site Safety Officer:	DICK BPP		6/27/11 0500
Employee(s):	Elizabeth Creek		6/27/11 0700
	Paul Rodrigue		6/27/11 0700
	Ken Mark		6/27/11 0700
	VICENTE VALENCIA	Vicente Valencia	6/27-11 07:00
	Antonio Ramirez	antonio Ramirez	6/27/11 08:30
	Albert P Ramirez		6/27/11 8:30
	PAUL RAMIREZ	Paul R	6/27/11 8:30

AIR MONITORING LOG SHEET

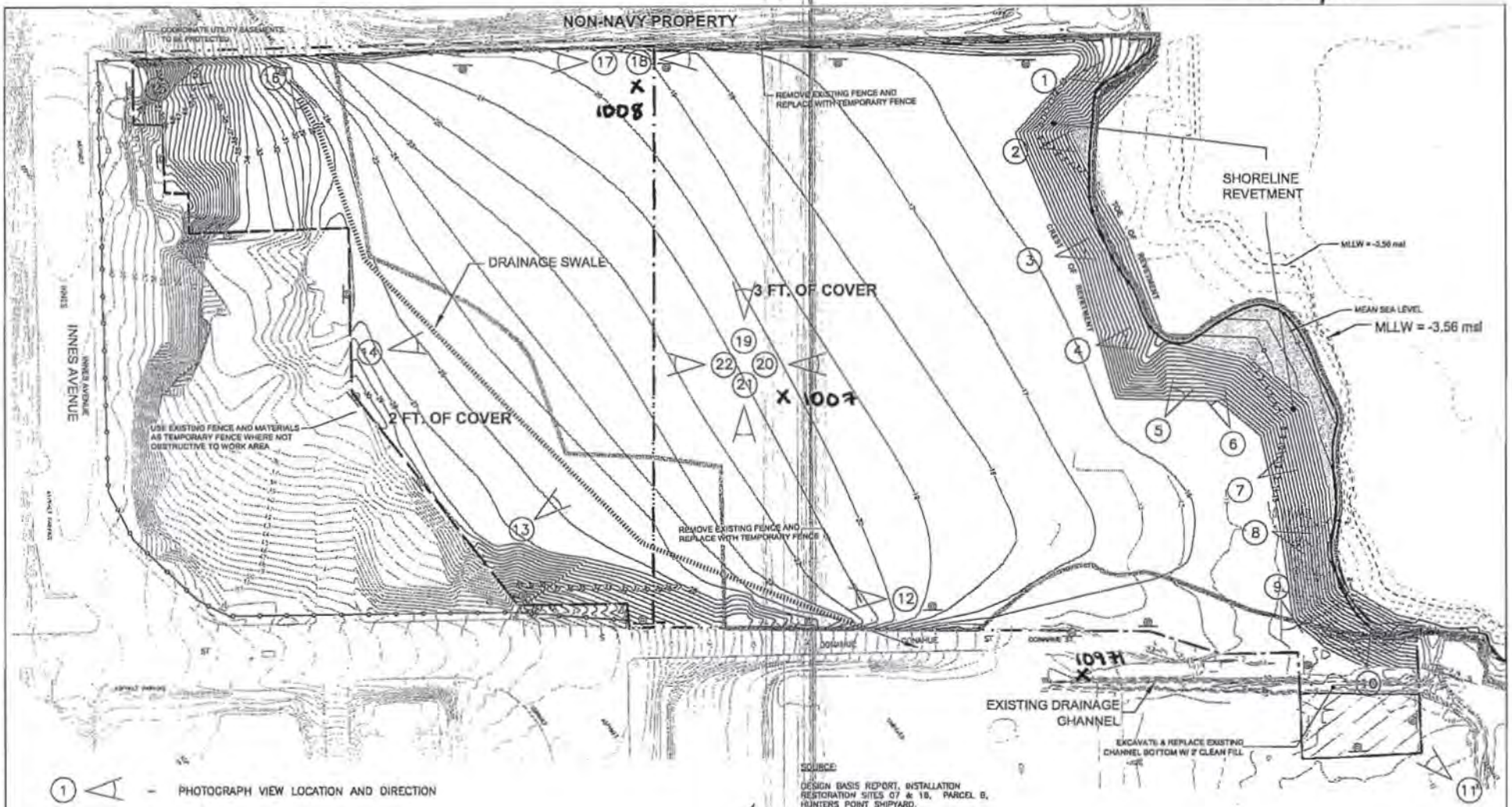
ERRG

Prepared by: E. Creek
Project Name: HPNS IR07/18
Site Location: Hunters Point, SF
Calibration (Date and Time): ~~6/26/11~~ 0715 6/27/11

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used:

Location	Date	Time	Instrument conc mg/m3 ~~PID~~	Instrument TWA mg/m3 ~~DataRAM~~	Comments
1008	6/27/11	0731	0.002	0.009	
1007		0734	0.012	0.011	
10971		0736	0.000	0.010	
1007		0848	0.000	0.000	
1068		0849	0.000	0.000	
10971		0952	0.000	0.000	
1007		0946	0.000	0.000	
1008		0948	0.000	0.000	
10971		0951	0.000	0.000	
10971		1045	0.000	0.000	
1007		1048	0.000	0.000	
1008		1050	0.000	0.000	
10971		1146	0.000	0.000	
1007		1149	0.000	0.000	
1008		1150	0.000	0.000	
10971		1249	0.045	0.004	
1007		1251	0.001	0.000	
1006		1253	0.008	0.001	
10971		1349	0.025	0.006	
1007		1356	0.000	0.000	
1008		1358	0.000	0.000	
10971		1446	0.003	0.007	
1007		1450	0.007	0.000	
1008		1453	0.004	0.000	
1008		1530			off
1007		1534	0.000	~~0.006~~ 0.000	
10971		1536	0.000	0.006	

6/27/11



1 – PHOTOGRAPH VIEW LOCATION AND DIRECTION

NOTE:

PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.

SOURCE:

DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChoduxTI, 2010

50' 0 50' 100'

SCALE: 1" = 100'

ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California
(415) 395-0974

CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 06/17/10	VIEW LOCATION MAP		
LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 06/17/10			
P.E./P.G.: -	ERRG PROJECT NO. 29-141	REVISION NO. 0	SHEET 1	ITERATE NO. 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 27/JUN/11

REPORT NO 159

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
07	Continued installation of the permanent fence along the southeastern IR boundary. Continued staging CTRM along the top of the slopes in IR-18.
	Started installing CTRM. Verified that activities performed conformed to the final grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/27/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Final Grading and Seeding

Date: 06/27/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**	**X**			
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15/11, 6/16/11, 6/17/11, 6/20/11, 6/22/11, 6/23/11 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**	**X**			.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**	**X**			
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**	**X**			
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14/11, 6/21/11 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15/11, 6/16/11, 6/17/11 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**	**X**			
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**	**X**			Fence fabric placed on 6/22/11, 6/23/11, 6/27/11 meets this requirement
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**	**X**			Fence fabric placed on 6/22/11, 6/23/11, 6/27/11 meets this requirement

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	Follow up	X			
Have post caps been installed as recommended by the manufacturer?	Follow up	X			
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up				
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up				
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up	X			
Have drainage patterns been maintained as indicated on Drawings?	Follow up	X			
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up	X			
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up	X			
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up	X			
Have grades been verified prior to placement of seed?	Follow up	X			
Are all sloped areas uniformly compacted?	Follow up	X			
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	Follow up	X			
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up	X			
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up	X			
Has seed been sown according to supplies instructions?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up	X			
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up	X			
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	Follow up			X	
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	Follow up			X	

Requirement	Phase	Yes	No	N/A	Comments
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**	**X**			
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**			**X**	
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**			**X**	
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**	**X**			
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**	**X**			CTRM installed on 6/27/11 meets this requirement.
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**	**X**			
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**	**X**			
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**	**X**			
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**	**X**			
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**	**X**			
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**	**X**			Outfall rock placed on 6/21/11.
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet					

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual					
QC Certification					
QC Test report					
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured					
Calibration					Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/27/2011

Photo 1: Final Grading and Seeding – Installation of permanent fence along the southeastern IR boundary.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 27, 2011

Photo 2: Final Grading and Seeding – Installation of CTRM. Using pin pounders to install pins at the required intervals.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 27, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 28/JUNE/11	REPORT NO: 160
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Cloudy / Rain	PM WEATHER: Cloudy / Rain - .52 in	MAX TEMP (F): 62	MIN TEMP (F): 55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
07	Installed CTRM, continue installing permanent perimeter fencing.	ERRG	0	Project Manager	0
		ERRG	1	Superintendent	10
		ERRG	1	QC Manager	10
		ERRG	1	SSHO	10
		ERRG	1	QC Staff	9
		ERRG	0	Truck Drivers	0
		ERRG	0	Equipment Operators	0
		ERRG	5	Laborers	36
		Dynaram Construction	3	Fencing contractor	30
		18 Trucking	0	Rock delivery	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 105
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 22161
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 22266

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
07	ERRG	2k Water Truck	0
	United Rentals	J D 210 Skip loader	0
	ERRG	25W Generator - 1ea	12

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/28/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/28/11 **TIME** 0701 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK Installing CTRM, Fencing

SAFETY TOPICS PRESENTED

SAFETY TOPICS Lifting & Handling Loose & Bulky Items, Ladders, Right Tool for JOB

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente Valencia	ERRG	Vicente Valencia
Paul Rodriguez	Terra	[illegible]
Brian Kerr	ERRG	[illegible]
Ken Merle	ERRG	[illegible]
Paul Ramirez	Dynaram	Paul [illegible]
Antonio Ramirez	Dynaram	Antonio Ramirez
Albert G Ramirez	Dyna Ram	[illegible]
Elizabeth Creek	ERRG	[illegible]
Liz Binning	ERRG	[illegible]
Omar A Mata	ERRG	[illegible]

Health & Safety Officer DICK BPP **SUPERINTENDENT** King Bailey

SIGNATURE [illegible] **SIGNATURE** [illegible]

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: TUESDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: OVERCAST
Site Visitors: See Tailgate Sign In Log.
Client: Dept of the Navy
Date: 6/28/11
Project No.: 29-141
Page: _____ of _____

Description of Field Activities:

0700 SAFETY TAILGATE – LADDER SAFETY, FOOTING, LIFTING LOADS + BULKY ITEMS, RIGHT TOOL FOR THE JOBS.

FORMING CONTAINMENT ON CIDT

INSTALLING CTRM

Signed: _____ Date: 6/28/11

AIR MONITORING LOG SHEET

ERRG

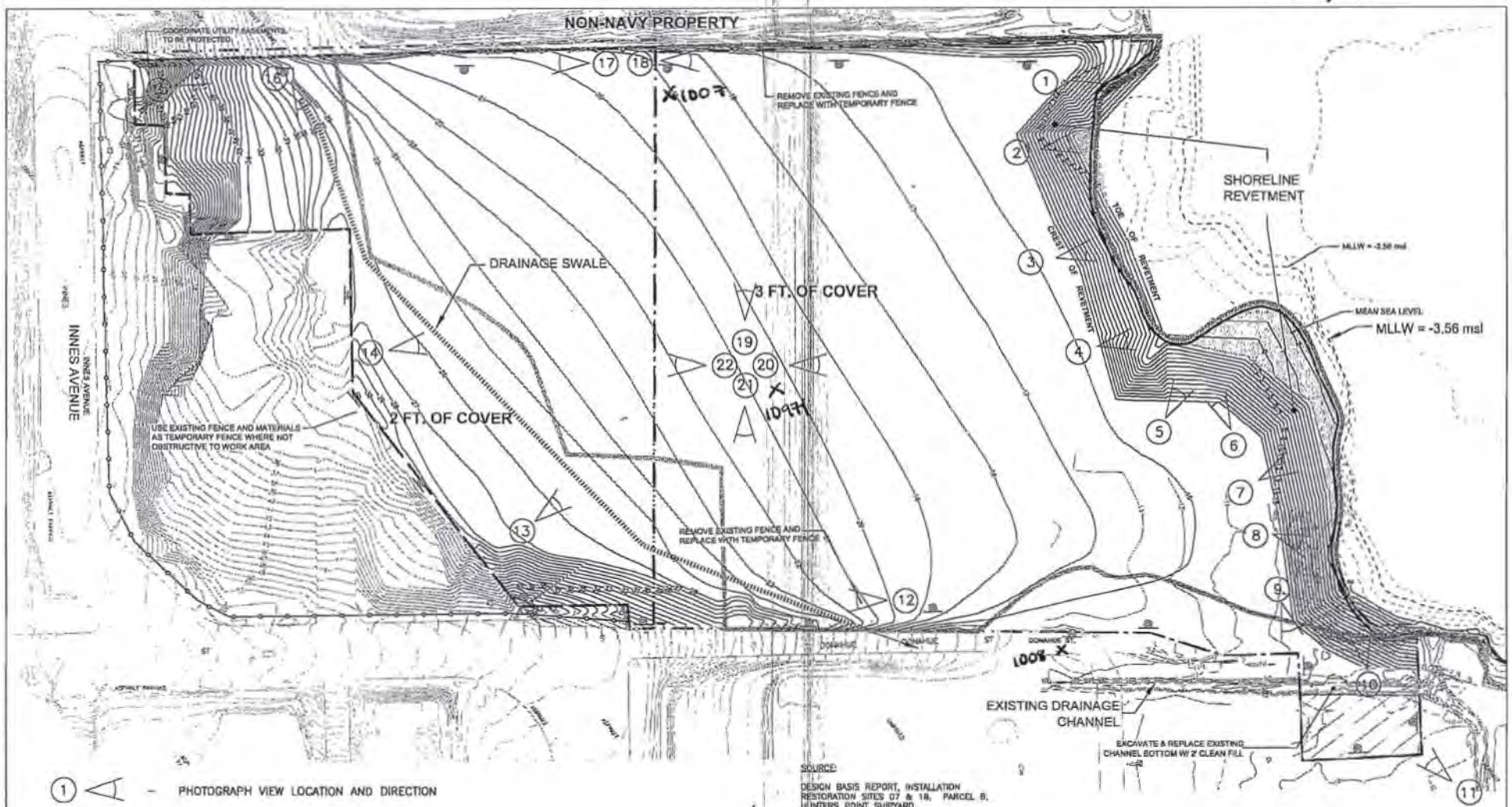
Prepared by: E Creek
Project Name: HPNS IR07/18
Site Location: Innis & Donahue
Calibration (Date and Time): 6/27/11 0730

Client: US Navy
Project No.: 29-141
Page: 1 of 1
Standard Used:

Location	Date	Time	Instrument CONC mg/m3 ~~PID~~	Instrument TWA mg/m3 ~~DataRAM~~	Comments
10971	6/28/11	0734	0.000	0.000	
1007		0737	0.000	0.000	
1008		0742	0.000	0.000	
1008		0838 ~~0838~~	0.086	0.039	
10971		0842	0.000	0.000	
1007		0844	0.000	0.000	
1008		0943	0.000	0.027	
10971		0948	0.000	0.000	
1007		0950	0.000	0.000	

1030: brought meters in b/c of rain

6/28/11



① ◁ – PHOTOGRAPH VIEW LOCATION AND DIRECTION

NOTE:

PHOTOGRAPHS WILL BE TAKEN FROM THE LOCATIONS RELEVANT TO CURRENT WORK TO DOCUMENT PROJECT PROGRESS. PHOTOGRAPHS MAY BE TAKEN FROM ADDITIONAL VIEW POINTS IF NECESSARY TO ADEQUATELY DOCUMENT THE WORK.

SOURCE:
DESIGN BASIS REPORT, INSTALLATION RESTORATION SITES 07 & 18, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA, ChuduxTL, 2010

50' 0 50' 100'
SCALE: 1" = 100'

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome St., Suite 200 San Francisco, California (415) 395-9974	CLIENT: Department of the Navy BRAC PMO West San Diego, California	DESIGNED BY: CS 06/17/10	VIEW LOCATION MAP
	LOCATION: Hunters Point Shipyard San Francisco, California	CHECKED BY: JS 06/17/10	
		P.E./P.G.: -	ERRG PROJECT NO. 29-141 · REVISION NO. 0 · SHEET 1 · FIGURE NO. 1

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 28/JUN/11

REPORT NO 160

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
07	Continued installation of the permanent fence along the perimeter of the bump out area. Continued staging CTRM along the top of slopes.
	Continued installing CTRM along the southeastern slope and the drainage swale. Verified that activities performed conformed to the final
	grading and seeding checklist.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/28/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Final Grading and Seeding

Date: 06/28/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**	**X**			
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15/11, 6/16/11, 6/17/11, 6/20/11, 6/22/11, 6/23/11, 6/27/11 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**	**X**			.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**	**X**			
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**	**X**			
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14/11, 6/21/11 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15/11, 6/16/11, 6/17/11 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**	**X**			
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**	**X**			Fence fabric placed on 6/22/11, 6/23/11, 6/27/11 meets this requirement
Has fabric been installed on opposite side of posts from area being secured?	**Follow up**	**X**			Fence fabric placed on 6/22/11, 6/23/11, 6/27/11 meets this requirement

Requirement	Phase	Yes	No	N/A	Comments
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	Follow up	X			
Have post caps been installed as recommended by the manufacturer?	Follow up	X			
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up				
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up				
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up	X			
Have drainage patterns been maintained as indicated on Drawings?	Follow up	X			
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up	X			
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up	X			
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up	X			
Have grades been verified prior to placement of seed?	Follow up	X			
Are all sloped areas uniformly compacted?	Follow up	X			
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	Follow up	X			
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up	X			
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up	X			
Has seed been sown according to supplies instructions?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up	X			
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up	X			
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	Follow up			X	
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	Follow up			X	

Requirement	Phase	Yes	No	N/A	Comments
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**	**X**			
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**			**X**	
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**			**X**	
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**	**X**			
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**	**X**			CTRM installed on 6/27/11, 6/28/11 meets these requirements.
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**	**X**			
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**	**X**			
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**	**X**			
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**	**X**			
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**	**X**			
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**	**X**			Outfall rock placed on 6/21/11.
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				
Receivables					
Material properties sheet		**X**			

Requirement	Phase	Yes	No	N/A	Comments
Manufacturers QC Manual				**X**	
QC Certification				**X**	
QC Test report				**X**	
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			CTRM was inspected prior to use.
Calibration					Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/28/2011

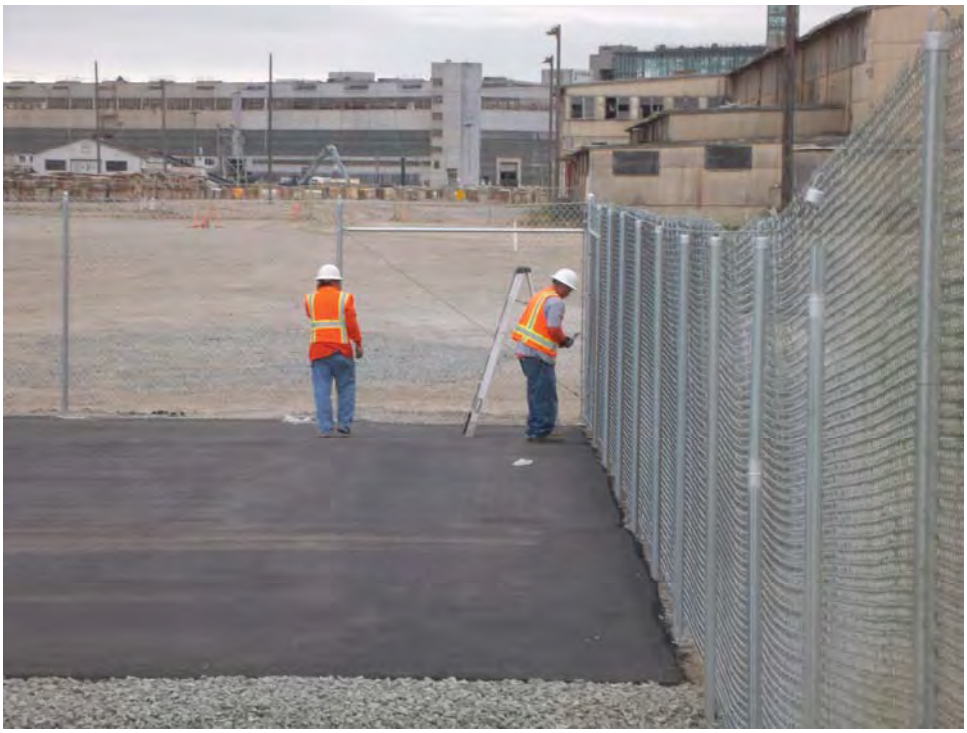


Photo 1: Final Grading and Seeding – Installation of permanent fence the bump out in the eastern corner of the site.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 28, 2011

Photo 2: Final Grading and Seeding – Installation of CTRM along the inboard side of the drainage swale.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 28, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: 29/JUNE/11

CONTRACT NO: N62473-09-D-2608

TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

REPORT NO: 161

CONTRACTOR: Engineering/Remediation Resources Group, Inc.

SUPERINTENDENT: King Bailey

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy / Rain	Cloudy / Rain - .52 in	62	55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
07	Installed CTRM, continue installing permanent perimeter fencing.	ERRG	0	Project Manager	0
		ERRG	1	Superintendent	10
		ERRG	1	QC Manager	10
		ERRG	1	SSHO	10
		ERRG	1	QC Staff	8
		ERRG	0	Truck Drivers	0
		ERRG	0	Equipment Operators	0
		ERRG	5	Laborers	40
		Dynaram Construction	4	Fencing contractor	40
		18 Trucking	0	Rock delivery	0

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	118
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	22266
TOTAL WORK HOURS FROM START OF CONSTRUCTION	22384

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
07	ERRG	2k Water Truck	0
	United Rentals	J D 210 Skip loader	0
	ERRG	25W Generator - 1ea	12

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/29/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6/29/11 **TIME** 0700 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK installing CTRM, Fencing

SAFETY TOPICS PRESENTED

SAFETY TOPICS SLIP, TRIPS & FALLS

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** ____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Vicente Valencia	ERRG	Vicente Valencia
Paul Rodrigo	[illegible]	[illegible]
Ken Mark	ERRG	[illegible]
Brian Kerr	ERRG	[illegible]
Liz Binning	ERRG	[illegible]
Elizabeth Creek	ERRG	[illegible]
Antonio Ramirez	Dynaram	Antonio Ramirez
Albert P Ramirez	Dyna Ram	[illegible]
Erasmo Soto	DYNA RAM	[illegible]
Herminio Soto	DYNA RAM	Herminio Soto

Health & Safety Officer DICK EPP **SUPERINTENDENT** [illegible]

SIGNATURE [illegible] **SIGNATURE** King Bailey

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: WEDNESDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLOUDY
Site Visitors: See Tailgate Sign In Log

Client: Dept of the Navy
Date: 6/29/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE — SLIPS, TRIPS & FALLS

INSTALLING CZRAM

FENCING CONTRACTOR ON SITE.

Signed: [signature]

Date: 6/29/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 29/JUN/11

REPORT NO 161

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
07	Continued installation of the permanent fence, installed additional fence fabric in the drainage channel. Continued staging CTRM along the top
	of slopes.Continued installing CTRM along the drainage swale and western slope. Verified that activities performed conformed to the final
	grading and seeding checklist.
11	Removed the final portion of the old fence that was overgrown with vegetation.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/29/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Final Grading and Seeding

Date: 06/29/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**	**X**			
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15/11, 6/16/11, 6/17/11, 6/20/11, 6/22/11, 6/23/11, 6/27/11, 6/28/11, 6/29/11 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**	**X**			.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**	**X**			
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**	**X**			
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14/11, 6/21/11 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15/11, 6/16/11, 6/17/11 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**	**X**			
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**	**X**			Fence fabric placed on 6/22/11, 6/23/11, 6/27/11, 6/28/11, 6/29/11 meets this requirement

Requirement	Phase	Yes	No	N/A	Comments
Has fabric been installed on opposite side of posts from area being secured?	Follow up	X			Fence fabric placed on 6/22/11, 6/23/11, 6/27/11, 6/28/11, 6/29/11 meets this requirement
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	Follow up	X			
Have post caps been installed as recommended by the manufacturer?	Follow up	X			
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up				
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up				
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up				
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up				
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up				
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up	X			
Have drainage patterns been maintained as indicated on Drawings?	Follow up	X			
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up	X			
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up	X			
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up	X			
Have grades been verified prior to placement of seed?	Follow up	X			
Are all sloped areas uniformly compacted?	Follow up	X			
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	Follow up	X			
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up	X			
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up	X			
Has seed been sown according to supplies instructions?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up	X			
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	Follow up			X	
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	Follow up			X	
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	Follow up	X			
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	Follow up			X	
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	Follow up			X	
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	Follow up				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	Follow up				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	Follow up				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	Follow up	X			
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	Follow up	X			CTRM installed on 6/27/11, 6/28/11, 6/29/11 meets these requirements.
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	Follow up	X			
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	Follow up	X			
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	Follow up	X			
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	Follow up	X			
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	Follow up	X			
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	Follow up	X			Outfall rock placed on 6/21/11.
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	Follow up				
Has all organic debris hauled off base been recycled at a local composting facility?	Follow up				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	Follow up				
Have paved areas been kept free of soil?	Follow up				
Have sign posts been installed to the dimensions as designated on the Drawings?	Follow up				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	Follow up				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	Follow up				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	Follow up				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification				**X**	
QC Test report				**X**	
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			CTRM was inspected prior to use.
Calibration					Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/29/2011

Photo 1: Site Cleanup and Demobilization – Removal of the portion of the old permanent fence that was tangled in overgrowth.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 29, 2011

Photo 2: Final Grading and Seeding – Installation of the fence fabric extension in the drainage swale.

HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California

Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 29, 2011

Photo 1: Final Grading and Seeding – Installation of CTRM on the southern slope.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 29, 2011

Photo 2: Final Grading and Seeding – Installation of CTRM along the inboard side of the drainage swale.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 29, 2011

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N62473-09-D-2608	TITLE AND LOCATION: RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF	DATE: 30/JUNE/11	REPORT NO: 162
CONTRACTOR: Engineering/Remediation Resources Group, Inc.		SUPERINTENDENT: King Bailey	
AM WEATHER: Cloudy / Rain	PM WEATHER: Cloudy / Rain - .52 in	MAX TEMP (F): 62	MIN TEMP (F): 55

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
07	Installed CTRM, continue installing permanent perimeter fencing.	ERRG	0	Project Manager	0
		ERRG	1	Superintendent	9
		ERRG	1	QC Manager	9
		ERRG	1	SSHO	9
		ERRG	1	QC Staff	8
		ERRG	0	Truck Drivers	0
		ERRG	0	Equipment Operators	0
		ERRG	6	Laborers	48

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	■ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	■ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	■ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	■ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	83
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	22384
TOTAL WORK HOURS FROM START OF CONSTRUCTION	22467

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	■ SAFETY REQUIREMENTS HAVE BEEN MET.
07	Tailgate safety briefing, equipment inspections	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
07	ERRG	2k Water Truck	0
	United Rentals	J D 210 Skip loader	0
	ERRG	25W Generator - 1ea	12

Schedule Activity No.	REMARKS

King Bailey — CONTRACTOR/SUPERINTENDENT

6/30/11 — DATE

ERRG

TAILGATE SAFETY MEETING

SITE LOCATION: Hunters Point Shipyard **CONTRACT #** N64273-09-D-2608

DATE 6-30-2010 **TIME** 07:00 **PROJECT NUMBER** 29 - 141

CLIENT Department of the Navy

SPECIFIC LOCATION IR-07/18 and Dry Dock 3

TYPE OF WORK CTRM Installation

SAFETY TOPICS PRESENTED

SAFETY TOPICS Ergonomics -

PROTECTIVE CLOTHING/EQUIPMENT Level D: Hardhat, safety glasses w/side shields, reflective safety vest, shirt with sleeves, long pants, steel-toed work boots. Gloves and hearing protection (as needed).

ISSUED LPO CARDS: X **YES** _____ **NO**

CHEMICAL HAZARDS fuel, oil, grease

PHYSICAL HAZARDS slips, trips & falls, heavy equipment operation, speed dust, heat stress

EMERGENCY PROCEDURES Employee to report any injury to Supervisor; Supervisor notify SSHO

HOSPITAL/CLINIC St. Lukes Hospital **PHONE** 911/ 415-641-6625 (ER) **PARAMEDIC PHONE** 911

HOSPITAL ADDRESS 3555 Cesar Chavez, San Francisco, CA 941124

SPECIAL EQUIPMENT

NOTE :

ATTENDEES

NAME PRINTED	COMPANY	SIGNATURE
Ray V Rodriguez	ERRG	
Dwight Hyde	ERRG	
Ken Mark	ERRG	
Scott Rusyn	ERRG	
Jose Moreno	ERRG	
Liz Binning	ERRG	
Elizabeth Creek	ERRG	
Vicente VALENCIA	ERRG	

Health & Safety Officer Dick Epp **SUPERINTENDENT** Billy Baker

SIGNATURE **SIGNATURE**

DAILY FIELD ACTIVITY LOG

RG

Prepared by: Richard Epp
Day: THURSDAY
Project Name: HPS Remediation Sites 7-18 Parcel B, Hotspots
Weather: CLEAR
Site Visitors: See Tailgate Sign In Log.

Client: Dept of the Navy
Date: 6/30/11
Project No.: 29-141
Page: 1 of 1

Description of Field Activities:

0700 SAFETY TAILGATE – ERGONOMICS

INSTALLING CTRM

Signed: [signature]

Date: 6/30/11

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 30/JUN/11

REPORT NO 162

PHASE | CONTRACT NO N62473-09-D-2608 | CONTRACT TITLE RA at IR-07 & -18 at Parcel B; Soil Hotspot Locations at Parcels B, D-1, and G; and Soil Stockpiles at Parcels D-1 and G, HPS, SF

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ■

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ■ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ■ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
07	Continued installation of the permanent fence, installed double swing gate at the site entrance. Continued installing CTRM along the western
	and northwestern slope. Verified that activities performed conformed to the final grading and seeding checklist.
11	Removed the final portion of the old fence that was overgrown with vegetation.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Elizabeth Binning — AUTHORIZED QC MANAGER AT SITE

06/30/11 — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Final Grading and Seeding

Date: 06/30/2011
Inspector: Elizabeth Binning
Location: HPS IR Sites 07 and 18 at Parcel B & soil hot spots at Parcels B, D-1, and G

Requirement	Phase	Yes	No	N/A	Comments
Field Inspection					
Is the straw derived from irrigated wheat or barley fields or from rice straw?	**Prep**	**X**			
Has clearance been obtained from the County Agricultural Commissioner, as required by law, before straw is delivered to the site from outside the county?	**Prep**	**X**			
Has the fencing and gate materials been delivered to site in an undamaged condition?	**Initial**	**X**			Fence will be delivered when the fencing subcontractors arrive onsite. Fencing materials received on 6/15/11, 6/16/11, 6/17/11, 6/20/11, 6/22/11, 6/23/11, 6/27/11, 6/28/11, 6/29/11, 6/30/11 meet this requirement.
Have fencing materials been stored off the ground to provide protection against oxidation caused by ground contact?	**Initial**	**X**			
Have all seeding products been delivered to the site in manufacturer's unopened standard containers bearing original labels showing quantity, analysis and name of manufacturer?	**Initial**	**X**			.
Have all materials been stored in designated areas and in such a manner as to protect them from weather or other conditions that might damage or impair the effectiveness of the product?	**Initial**	**X**			
Is fertilizer of commercial quality and conforms to the requirements of the California Food and Agriculture Code?	**Initial**	**X**			
Have forms been provided as required to receive and shape shotcrete or concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have forms been constructed to allow removal without damage to cured concrete?	**Follow up**	**X**			Well pads formed on 6/8/11, 6/9/11, 6/10/11, 6/13/11, 6/21/11 meet this requirement.
Have the top edges of the well pads been tooled chamfer 3/4 inch unless indicated otherwise.	**Follow up**	**X**			Well pads poured on 6/14/11, 6/21/11 meet this requirement.
Has the use of mineral oil to coat forms been disallowed?	**Follow up**	**X**			
Has the delivery of concrete been delayed until ready for concrete placement?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been machine mixed and batch ticket information been provided for each load of ready-mix concrete?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has concrete been placed within 90 minutes of either addition of mixing water to cement and aggregates or addition of cement to aggregates if the air temperature is less than 85 degrees F?	**Follow up**	**X**			Concrete placed on 6/14/11, 6/16/11, 6/21/11 meets this requirement.
Has the fence been installed to line as indicated on the drawings and in accordance with fence manufacturer's written installation instructions except as modified herein?	**Follow up**	**X**			Fence posts placed on 6/15/11, 6/16/11, 6/17/11 meet this requirement.
Have posts been set plumb in the concrete bases as indicated on the drawings.	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been compacted to eliminate voids and finish to a dome shape?	**Follow up**	**X**			Fence posts set on 6/16/11, 6/17/11 meet this requirement.
Has concrete been allowed to cure a minimum of 72 hours before performing other work on posts?	**Follow up**	**X**			
Has fence fabric been secured to posts using stretcher bars, ties, or clips spaced 15 inches on center, or by integrally weaving to integral fastening loops of end, corner, pull, and gate posts for full length of each post?	**Follow up**	**X**			Fence fabric placed on 6/22/11, 6/23/11, 6/27/11, 6/28/11, 6/29/11 meets this requirement

Requirement	Phase	Yes	No	N/A	Comments
Has fabric been installed on opposite side of posts from area being secured?	Follow up	X			Fence fabric placed on 6/22/11, 6/23/11, 6/27/11, 6/28/11, 6/29/11 meets this requirement
Has the bottom of fabric been installed a minimum of 2 inches above ground level?	Follow up	X			
Have post caps been installed as recommended by the manufacturer?	Follow up	X			
Have the gates been braced with a diagonal truss rod and truss tightener used as a tension member?	Follow up	X			
Has the gate fabric been attached to gate frame in accordance with manufacturer's standards, except that welding will not be permitted?	Follow up	X			
Have gates been installed to allows gate to swing open at least 135 degrees?	Follow up	X			
Have padlocking latches been arranged to be accessible from both sides of gate, regardless of latching arrangement?	Follow up	X			
Have ten padlock keys been provided for each padlock, sequentially numbered and reading “DO NOT DUPLICATE”?	Follow up			X	
Has waste fencing materials and other debris been removed from the site?	Follow up				
Have new surfaces been blended to existing areas?	Follow up	X			
Have drainage patterns been maintained as indicated on Drawings?	Follow up	X			
Have finish graded areas been protected from damage by vehicular or pedestrian traffic and erosion?	Follow up	X			
Have areas for seeding been picked clean for debris and stones larger than 3 inches in any dimension?	Follow up	X			
Are all areas to receive seed are free of vegetation and other objectionable material?	Follow up	X			
Have grades been verified prior to placement of seed?	Follow up	X			
Are all sloped areas uniformly compacted?	Follow up	X			
Has the site been scarified to minimum depth of 1 inch all surfaces and 2 inches in areas that have been compacted by construction operation, including the roadways prior to seeding?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Is the minimum dry density no greater than 85 percent of maximum dry density for the top 6 inches?	Follow up	X			Compaction tests performed on the vegetative layer on 6/23/11, 6/24/11 meet this requirement.
Has the soil cover been constructed to the elevations and slopes indicated on the Drawings?	Follow up	X			
Have previously prepared seedbed areas that have been compacted or damaged by interim rain, traffic or other cause, been reworked to restore the ground condition previously specified?	Follow up	X			
Has seeding taken place as soon as final grade has been achieved and heavy equipment has been retired from the project?	Follow up	X			
Has seed been sown according to supplies instructions?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has the seed mixed been proportioned by weight and applied at the rate listed in the specifications?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Has seeding operations been halted when the wind velocity prevents uniform seed distribution?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have all areas over the constructed soil cover and any areas disturbed during construction been seeded?	Follow up	X			Hydroseed and hydromulch applied on 6/23/11, 6/24/11 meet these requirements.
Have soil amendments, if required, been applied according to soil test laboratory recommendations?	Follow up	X			
Has fertilizer or lime been applied at the rates recommended by the soil test laboratory?	Follow up	X			

Requirement	Phase	Yes	No	N/A	Comments
Has straw mulch been applied to not exceed a maximum thickness of 1 inch?	**Follow up**			**X**	
Has seed been hand broadcasted with landscape rake and roller for areas inaccessible to seeding equipment?	**Follow up**			**X**	
Has a commercial type mulcher been used to uniformly apply the mulch in a slurry or loose broadcast?	**Follow up**	**X**			
Has the irrigation water been checked to ensure that it does not contain a total dissolved solids level of greater than the salt tolerance of the plant species for any growth regime, irrigation practice used, and local climate?	**Follow up**			**X**	
Has the straw mulch been applied immediately after seeding and crimped with a field packer?	**Follow up**			**X**	
Once seeding has taken place, has care been taken to avoid damage to the surface until soil is firm and more than 80 percent of plants have germinated?	**Follow up**				
Has vehicular traffic been avoided, especially that which creates depressions or ruts?	**Follow up**				
Has foot traffic been kept to a minimum and, in all cases, repeat traffic over the same area been avoided?	**Follow up**				
Has seeding and application of lime and fertilizer, as required, along the vegetated grassed waterway (drainage swale) occurred prior to placing the CTRM?	**Follow up**	**X**			
Has the CTRM been installed in areas indicated on the Drawings and in accordance to manufacturer's instructions?	**Follow up**	**X**			CTRM installed on 6/27/11, 6/28/11, 6/29/11, 6/30/11 meets these requirements.
Has the CTRM at the top of the slope been anchored by placing the matting in a 6-inch deep by 6-inch wide trench with approximately 12 inches of matting extended beyond the up-slope portion of the trench?	**Follow up**	**X**			CTRM installed on 6/27/11, 6/28/11, 6/29/11, 6/30/11 meets these requirements.
Has the CTRM been securely fastened to soil surface by placing staples/stakes in appropriate locations according to manufacturer's recommendations?	**Follow up**	**X**			CTRM installed on 6/27/11, 6/28/11, 6/29/11, 6/30/11 meets these requirements.
Have the edges of parallel matting been stapled with approximately 4 inches of overlap per the manufacturer's recommendation?	**Follow up**	**X**			CTRM installed on 6/27/11, 6/28/11, 6/29/11, 6/30/11 meets these requirements.
Has consecutive matting spliced down the slope face been placed end over end (shingle style) with an approximate 4-inch overlap?	**Follow up**	**X**			CTRM installed on 6/27/11, 6/28/11, 6/29/11, 6/30/11 meets these requirements.
Have all layers of the CTRM been shingled such that upgradient panels overlay downgradient panels along slope transverse?	**Follow up**	**X**			CTRM installed on 6/27/11, 6/28/11, 6/29/11, 6/30/11 meets these requirements.
Has riprap armoring been placed along spillway of cover side slope as shown in the Drawings?	**Follow up**	**X**			Outfall rock placed on 6/21/11.
Have all surplus materials or other non-suitable material, including brush, refuse, stumps, roots, and timber been disposed of in an appropriate off-site disposal facility?	**Follow up**				
Has all organic debris hauled off base been recycled at a local composting facility?	**Follow up**				
Has the generation of waste, inorganic trash, or debris been minimized whenever possible?	**Follow up**				
Have paved areas been kept free of soil?	**Follow up**				
Have sign posts been installed to the dimensions as designated on the Drawings?	**Follow up**				
Have signs been attached to fence at locations designated on the Drawings using appropriate anchors?	**Follow up**				
Has a final as-built survey of the cover been performed for verification of thickness and grade?	**Follow up**				
Have two permanent monuments on the final cover and two local monuments been installed as designated on the Drawings?	**Follow up**				

Requirement	Phase	Yes	No	N/A	Comments
Receivables					
Material properties sheet		**X**			
Manufacturers QC Manual				**X**	
QC Certification				**X**	
QC Test report				**X**	
Verification of Manifest (lot #, roll #, roll dimension, Product ID, date manufactured		**X**			CTRM was inspected prior to use.
Calibration					Nuclear density gauge calibrated before use.

QC Manager: Elizabeth Binning	Date: 06/30/2011

Photo 1: Final Grading and Seeding – Installation of new double swing site entrance gate.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 30, 2011

Photo 2: Final Grading and Seeding – Installation of CTRM on the southern slope.
HPS Parcel B IR Sites 07 and 18 Remedial Action, San Francisco, California
Photographed by: Elizabeth Binning (ERRG, Inc.) Date: June 30, 2011