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Phone: (949) 852-9050
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FAX TRANSMISSION COVER SHEET

DATE: July 20, 1999

TO: ROD NELSON

FAX: (213) 576-6717

PHONE: (213) 576-6719

COMPANY: RWQCB

FROM: Joann P. Ornelas

RE: Parcel D Waste Discharge Requirements Permit
Boeing C-6 Facility, Los Angeles, California

NUMBER OF PAGES (INCLUDING COVER SHEET): 3

cc: Augustine Anijielo, RWQCB (213) 576-6717 fax
Deborah Oudiz, DTSC (916) 327-2509 fax
Mario Stavale, (562) 627-3109 fax

MESSAGE:

Rod,

Per our letter to you dated July 14, 1999, regarding the Parcel D Waste Discharge Permit for the Boeing C-6 Facility in Los Angeles, California, we are submitting the revised Table 2 which includes the results of all samples submitted to date for STLC and TCLP analysis. Please note that a correction has been made to the concentration for Sample ID B3C-125NE-0.5. In our initial submittal, the concentration was referenced as 540 mg/kg. The correct concentration is 240 mg/kg.

If you have any questions, or need more information, please contact me contact me at (949) 852-9050, extension 14. Your expedited approval is appreciated.

Thank you.

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TABLE 2
STLC and TCLP Analytical Results for Arsenic Soil Samples
Boeing C-6 Facility, Parcel D

Sample ID	Total Arsenic (mg/kg)	STLC (mg/kg)	TCLP (mg/kg)
B3C-10N-0.5	76	2.8	NA
B3C-25N-0.5	120	3.4	ND
B3C-25N-1.0	63	2.1	NA
B3C-25S-0.5	60	2.1	NA
B3C-25S-1.0	110	3.9	NA
B3C-25W-0.5	100	3.2	NA
B3C-25W-1.0	58	2.4	NA
B3C-35S-0.5	54	2.1	NA
B3C-35S-1.0	80	2.6	NA
B3C-35W-0.5	61	2.2	NA
B3C-35W-1.0	130	3.9	NA
B3C-50E-1.0	110	4.9	NA
B3C-50N-0.5	840	21	2.6
B3C-50S-0.5	79	2.6	NA
B3C-50W-0.5	76	3.1	NA
B3C-50W-1.0	65	2.9	NA
B3C-75E-0.5	57	1.8	NA
B3C-75E-1.0	110	7.5	ND
B3C-75N-0.5	58	2.2	NA
B3C-75N-1.0	74	3.0	NA
B3C-75NE-0.5	260	8.0	1.2
B3C-75NE-1.0	210	8.5	1.3
B3C-75S-0.5	56	1.5	NA
B3C-75S-1.0	65	2.3	NA
B3C-75S-2.0	51	1.6	NA
B3C-75SE-1.0	360	15	3.4
B3C-75SW-0.5	270	14	2.4
B3C-100NE-0.5	66	3.2	NA
B3C-100NE-1.0	96	3.4	NA

TABLE 2
STLC and TCLP Analytical Results for Arsenic Soil Samples
Boeing C-6 Facility, Parcel D
(Continued)

Sample ID	Total Arsenic (mg/kg)	STLC (mg/kg)	TCLP (mg/kg)
B3C-100S-0.5	150	4.8	NA
B3C-100S-1.0	55	2.7	NA
B3C-100S-B0.5	110	4.6	NA
B3C-100S-C0.5	74	2.0	NA
B3C-100S-D0.5	160	6.0	NA
B3C-100SE-0.5	110	3.6	ND
B3C-100SE-1.0	260	**12**	2.6
B3C-100SW-1.0	110	3.5	NA
B3C-125NE-0.5	200	5.6	ND
B3C-125NE-1.0	240	**11**	1.5
B3C-125SW-0.5	150	3.7	NA
B3C-125W-0.5	64	1.9	NA
B3C-125W-1.0	74	2.7	NA
B3C-150NE-1.0	200	2.6	ND
B3C-150NE-2.0	83	3.1	NA
B3C-150SW-0.5	120	4.8	ND
B3C-150W-0.5	110	3.7	NA
B3C-150W-1.0	85	2.8	NA
B3C-175SE-1.0	62	1.2	
B3C-175W-0.5	220	**8.5**	1.7
B3C-200SW-0.5	68	1.5	NA
B3C-200W-0.5	58	2.1	NA
B3C-225W-0.5	56	2.6	NA

Boldface indicates concentration exceeds Total Threshold Limit Concentration (TTLC) of 500 mg/kg and/or Soluble Threshold Limit Concentration (STLC) of 5 mg/kg.

Notes:
1) Total arsenic analyzed using EPA Method 6010.
2) STLC per CCR Title 22.
3) Toxicity Characteristic Leaching Procedure (TCLP) analyzed using EPA Method 1311.

NA = not analyzed
ND = not detected

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

VI. OTHER REQUIRED INFORMATION

Please provide a COMPLETE characterization of your discharge. A complete characterization includes, but is not limited to, a list of constituents and the discharge concentration of each constituent, a list of other appropriate waste discharge characteristics, a description and schematic drawing of all treatment processes, a description of any Best Management Practices (BMPs) used, and a description of disposal methods.

Also include a site map showing the location of the facility and, if you are submitting this application for an NPDES permit, identify the surface water to which you propose to discharge. Please try to limit your maps to a scale of 1:24,000 (7.5' USGS Quadrangle) or a street map, if more appropriate.

VII. OTHER

Attach additional sheets to explain any responses which need clarification. List attachments with titles and dates below:

Attachment 1 - Final Environmental Impact Report Cover Page

Attachment 2 - C-6 Facility and Vicinity Map

Attachment 3 - Waste Profile Sheets

You will be notified by a representative of the RWQCB within 30 days of receipt of your application. The notice will state if your application is complete or if there is additional information you must submit to complete your Application/Report of Waste Discharge, pursuant to Division 7, Section 13260 of the California Water Code.

VIII. CERTIFICATION

"I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name: Mario Stavale **Title:** Project Manager

Signature: [signature] **Date:** 7/14/99

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Date Form 200 Received:	Letter to Dicharger	Fee Amount Received:	Check #:

Form 200(6/97)

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3990 Westerly Place, Suite 210
Newport Beach, CA 92660

Phone: (949) 852-9050
Fax: (949) 852-9011

FAX TRANSMISSION COVER SHEET

DATE: **July 22, 1999**

TO: **AMY TONAYE**

FAX: **(800) 222-2964**

PHONE: **(559) 386-6109**

COMPANY: **Waste Management**

FROM: **Joann Ornelas**

RE: **Generator's Profile Sheet for Arsenic-Impacted Soil**

NUMBER OF PAGES (INCLUDING COVER SHEET):

cc: Mario Stavale, Boeing Realty Corporation
Project File

via delivery J. Morales

MESSAGE:

Hello Amy,

Yesterday I met with Mr. Rob Heller of your company to discuss the disposal of arsenic-impacted soil at the Kettleman Hills Landfill. He asked me to provide you with the attached information.

Overview

During a site investigation, elevated arsenic concentrations (above 14 mg/kg) were identified in the soil. Table 1 presents a summary of the site investigation data. Arsenic was detected above 14 mg/kg at a single location (boring B3). Based on this result, additional samples were collected to delineate the arsenic-impacted soil.

More than 60 sampling locations delineated the impacted soil over an area measuring approximately 375 by 225 feet, to a depth of 1.5 feet. All samples with total arsenic concentrations greater than 50 mg/kg were analyzed using the STLC method. Eleven samples exhibit STLC concentrations greater than 5 mg/kg and were also analyzed for TCLP (see Table 2). None of these samples exhibit TCLP concentrations greater than 5 mg/kg.

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Approximately 20 yards of soil exhibit arsenic STLC concentrations greater than 5 mg/kg, but less than the arsenic TCLP concentration of 5 mg/kg. These soils have been segregated from the remaining arsenic-impacted soil and will require disposal at the Kettleman Hills Landfill.
To initiate the transportation and disposal process, I have attached the following documentation for your review:

1) Completed and signed Generator's Waste Profile Sheet
2) Figures showing the arsenic-impacted area, sampling locations, and excavation areas
3) Tables 1 and 2 summarizing analytical data.
4) Laboratory reports for STLC and TCLP methods

Please call me if you require additional information. I will be in the field for the next week and can be reached at (949) 795-5035.

Thank you.

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Chemical Waste Management, Inc.

GENERATOR'S WASTE PROFILE SHEET

EA 3526
Profile #

(Please carefully read the instructions before completing this form. Please print in ink or type)

Sales #

Service Agreement on file? Yes ☐ No ☐ Classification: Class I ☑ Class II ☐ Daily Cover ☑ Non Haz. ☐

TSDF requested ~~Bradley~~ KITF Technology requested

☐ Check here if this is a Recertification ☐ Check here if a Certificate of Destruction or Disposal is required

GENERAL INFORMATION

1. GENERATOR NAME: Boeing Realty Corporation Generator USEPA ID: CAO 086510005
2. Generator Address 4060 Lakewood Blvd., 6th Floor Billing Address: ☑ Same:
   Long Beach, CA 90808
3. Technical Contact/Phone S. Mario Stavale (562) 627-3014
4. Alternate Contact/Phone John Morasco (714) 392-1975 Billing Contact/Phone:

PROPERTIES AND COMPOSITION

5. A. Process Generating Waste: Remediation and development - Former Storage Facility
   B. Is the waste from a CERCLA or state mandated cleanup? Yes ☐ No ☑ Location Name:
6. Waste Name: Non-RCRA Hazardous Waste Solid
7. A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes ☐ No ☑
   B. If D001, D002, D003, D004-D043 do any underlying hazardous constituents (UHC's) apply? Yes ☐ No ☑ (if yes, attach UHC form)
   C. Does this waste contain debris (List size and type in chemical composition)? Yes ☐ No ☑
   D. Identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U): NA
   State Waste Codes: 611
   E. Does this waste contain any Class I or Class II ozone depleting substances? ☐ Yes (List in chemical composition) ☑ No
8. Physical state @ 70°F; A. Solid ☑ Liquid ☐ Both ☐ Gas ☐ B. Single Layer ☐ Multilayer ☐ C. Free Liquid range Ø to Ø %
9. A. pH: Range 4 to 10 or Not applicable ☐ B. Strong Odor ☐: describe C. Color
10. Liquid Flash Point: < 73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ > 200°F ☐ N.A. ☑
11. CHEMICAL COMPOSITION: List ALL constituents (including halogenated organics and UHC's) present in any concentration and forward available analysis.

Constituents	Range	Units	Constituents	Range	Units
Soil	95-100	%			
Arsenic	< 3.4 TCLP				

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

12. OTHER PCB's: if yes, concentration (dry weight) _____ ppm, PCB's regulated by 40 CFR 761 ☐ Pyrophoric ☐ Explosive ☐ Radioactive ☐
    Water Reactive ☐ Shock Sensitive ☐ Oxidizer ☐ Carcinogen ☐ Infectious ☐ Other
13. If Benzene, concentration _____ ppm. Is the waste subject to the Benzene Waste Operation NESHAP? Yes ☐ No ☐ Unknown ☐
14. Is the waste subject to RCRA subpart CC controls? Yes ☐ No ☑ Volatile organic concentration, if known _____ ppmw.
15. If the waste is subject to the land ban and meets the treatment standards, check here: ____ and supply analytical results.

SHIPPING INFORMATION

16. PACKAGING: Bulk Solid ☑ Type/Size: End Dumps Bulk Liquid ☐ Type/Size _____ Drum ☐ Type/Size _____ Other
17. SHIPPING FREQUENCY: Units 20 yd³ Per: ☐ Month ☐ Qtr. ☐ Year ☑ One Time ☐ Other

SAMPLING INFORMATION

18. A. Sample source (drum, lagoon, pond, tank, vat, etc.)
    Date Sampled: Sampler's Name/Company:
    B. Generator's Agent Supervision Sampling 19. No sample required (See instructions)

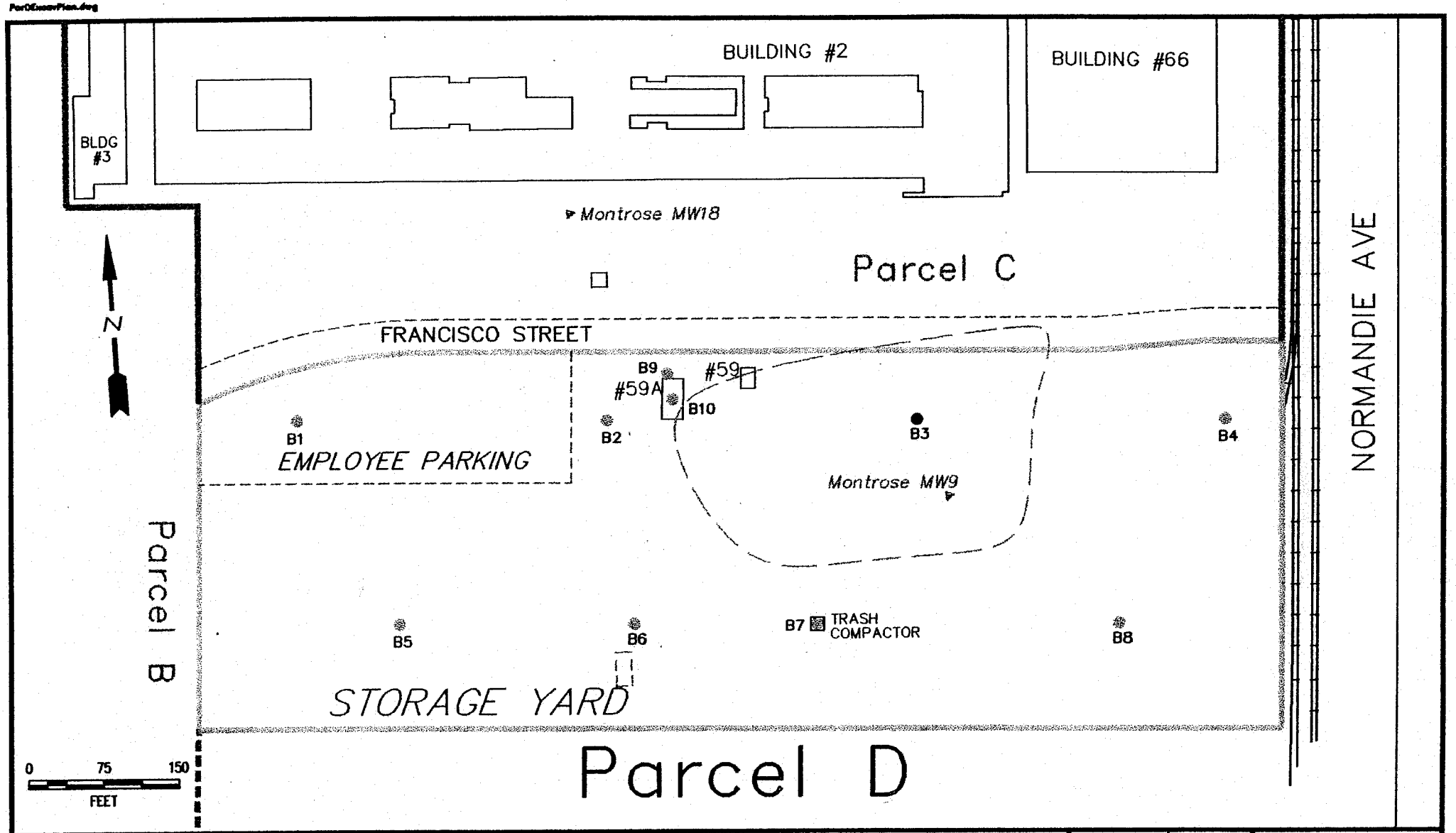
GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary.

Signature	Printed (or typed) name and title	Date
[signature]	S. Mario Stavale	7/22/99

If the waste profile is approved, Chemical Waste Management, Inc. has the appropriate permits and will accept the waste pursuant to our agreement. CWM Form 6000-DI replaces the following forms: CWM-51, CWM 6000, CWM 50-A-2, CWM 50-B, CWM 6000C AND CWM Form 6000-D.

ParDExcavPlan.dwg



INTEGRATED Environmental Services, Inc.
3990 Westerly Place, Suite 210 (949) 852-9050
Newport Beach, CA 92660

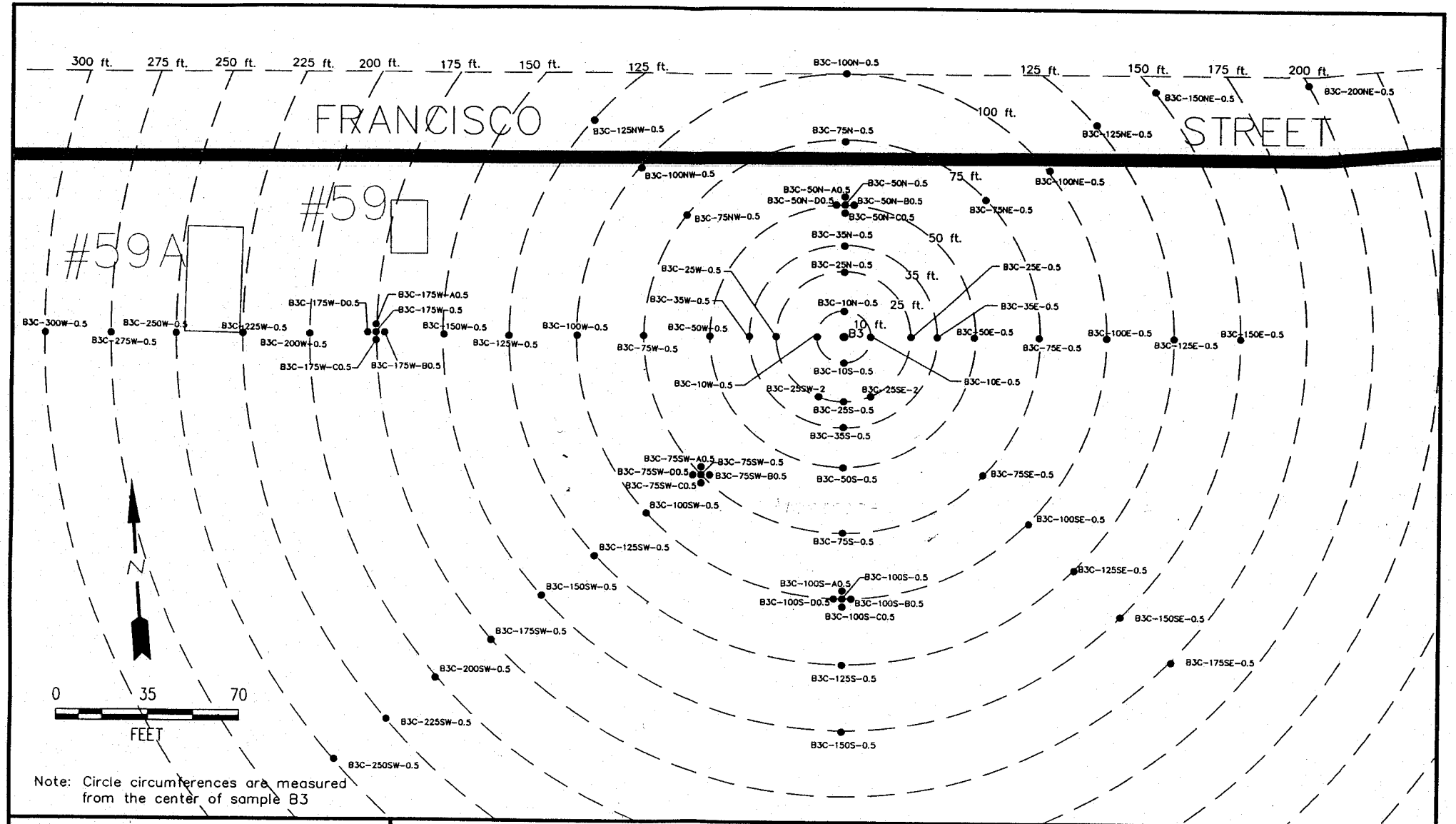
TITLE:
Parcel D Arsenic Delineation
Boeing C-6 Facility
Los Angeles, CA

DWN:	DES.:	PROJECT NO.:
JDL	JDL	BOC6\PDExcav
CHK: GY	APPD: JPO	FIGURE NO.:
DATE: 04/29/99	REV.: 2	4

(4)

BOE-C6-0235312

Parcel-Acres1.dwg



Note: Circle circumferences are measured from the center of sample B3

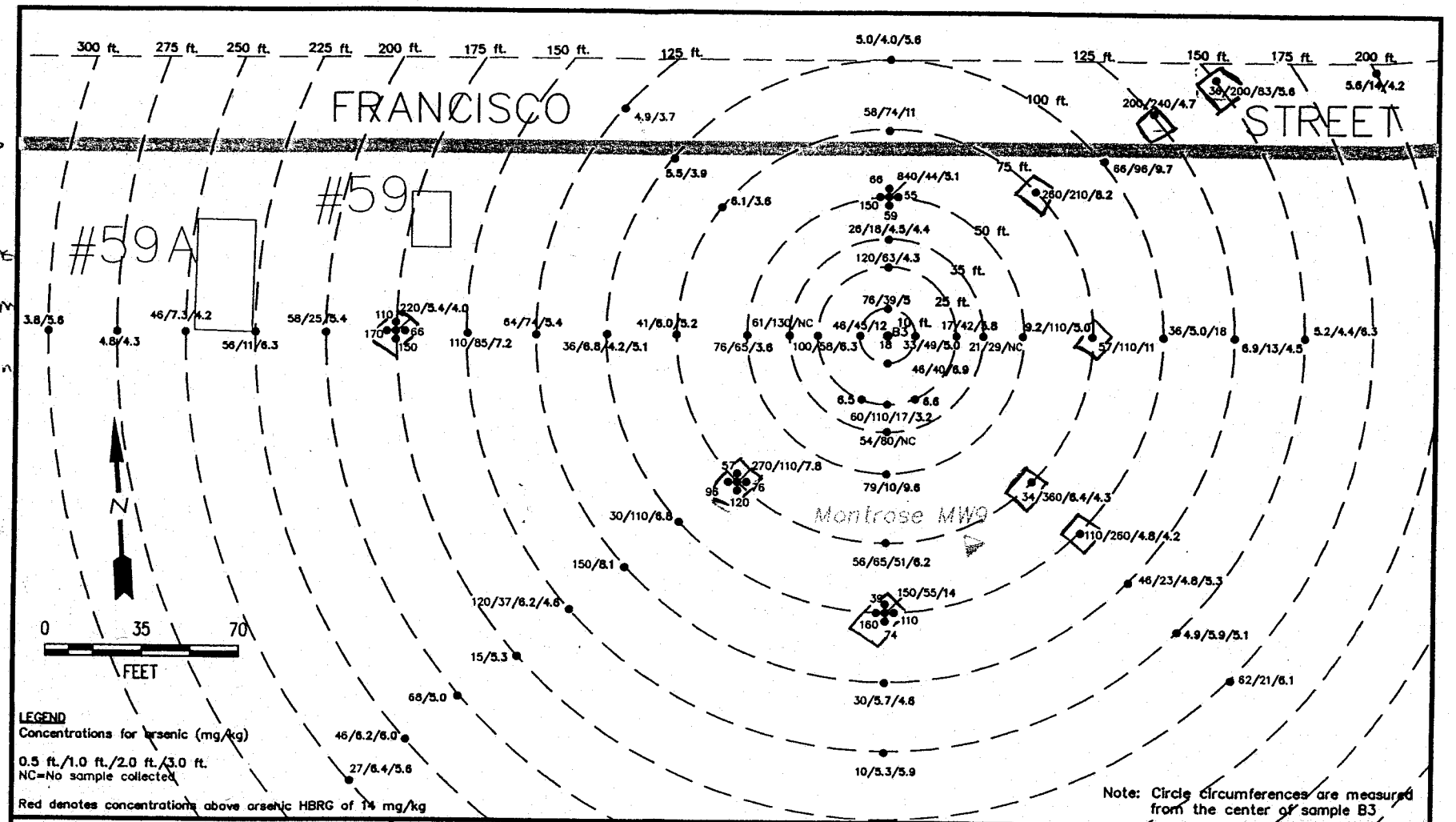
INTEGRATED Environmental Services, Inc. 3990 Westerly Place, Suite 210 Newport Beach, CA 92660 (949) 852-9050	TITLE: Parcel D Arsenic Delineation Sample Locations Boeing C-6 Facility Los Angeles, CA	DWN: JDL	DES.: JDL	PROJECT NO.: BOC6\PDSAP
		CHK: GY	APPD: JPO	FIGURE NO.: 1-4
		DATE: 06/18/99	REV.: 2	

BOE-C6-0235313

Kettleman Hills

◇ Excavations of arsenic concentrations greater than STLC of 5ppm but below TCLP of 5ppm

Parcel-Areas1.dwg



INTEGRATED Environmental Services, Inc.
3990 Westerly Place, Suite 210 (949) 852-9050
Newport Beach, CA 92660

TITLE:
Parcel D Detected Arsenic Concentrations
Boeing C-6 Facility
Los Angeles, CA

DWN: JDL	DES.: JDL	PROJECT NO.: BOC6\PDSAP
CHK: JFH	APPD: JPO	FIGURE NO.: 1-6
DATE: 06/28/99	REV.: 4	

BOE-C6-0235314

TABLE 1
CHEMICALS DETECTED IN SOIL
C-6 Facility, Parcel D Site Investigation, June 1999

Boring No.	Depth (feet)	VOCs EPA Method 8260 (ug/kg) Chloroform	Tetrachloro-ethene	Total Xylenes	SVOCs EPA Method 8270 (ug/kg) Bis(2-ethyl hexyl) phthalate	Phenol	Pesticides EPA Method 8080 (ug/kg) 4,4'-DDT	Title 22 Metals EPA Method 6010/7196 (mg/kg) Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Zinc
B1	0.5	24	31	ND	ND	ND	ND	7	130	0.56	ND	18	9.3	24	2.7	ND	14	37	64
	5	2.5	ND	ND	ND	ND	ND	7.7	130	0.78	ND	29	13	31	7.1	ND	23	59	66
	10	ND	ND	ND	ND	ND	ND	6.2	120	0.51	ND	23	10	23	4.2	ND	15	46	50
	15	ND	ND	ND	ND	ND	ND	6.7	160	0.74	ND	27	12	31	5.6	ND	20	59	69
	25	ND	ND	ND	ND	ND	ND	12	37	ND	ND	11	4.7	8.6	2.5	1	9.5	29	23
B2	0.5	130	47	ND	ND	ND	ND	5.6	180	0.89	ND	26	10	14	5.4	ND	18	52	44
	5	12	ND	ND	ND	ND	ND	6.3	170	0.71	ND	26	15	28	5.5	ND	22	57	71
	10	ND	ND	ND	ND	ND	ND	6.3	220	0.56	ND	22	10	24	4.6	ND	20	49	52
	15	ND	ND	ND	ND	ND	ND	8.1	180	0.82	ND	31	15	38	6.7	ND	24	71	78
	25	ND	ND	ND	ND	ND	3.5	6.4	150	0.62	3.6	26	8.4	27	4.8	ND	17	48	57
B3	0.5	ND	ND	ND	ND	ND	ND	18	130	0.64	ND	27	10	35	9	ND	15	44	50
	5	ND	ND	ND	ND	ND	ND	5.5	140	0.86	ND	28	11	18	5.4	ND	18	52	51
	10	ND	ND	ND	ND	ND	ND	7.8	130	0.82	ND	31	13	36	6.6	ND	25	61	71
	15	ND	ND	ND	880	ND	ND	7.2	190	0.88	ND	31	14	38	7.9	ND	23	60	86
	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4	0.5	ND	ND	ND	ND	ND	ND	4.1	110	0.57	ND	19	11	17	5	ND	14	39	37
	5	ND	ND	ND	ND	ND	ND	6.5	150	0.86	ND	27	12	24	5.7	ND	22	58	61
	10	ND	ND	ND	ND	ND	ND	6.2	140	0.6	ND	24	11	28	4.9	ND	19	52	60
	15	ND	ND	ND	ND	ND	ND	6.6	160	0.69	ND	25	13	31	5.4	ND	19	58	71
	25	ND	ND	ND	ND	ND	ND	7.8	160	0.89	ND	33	14	37	7.4	1.3	23	68	85
B5	0.5	18	ND	ND	ND	120	ND	6.5	140	0.77	ND	27	11	24	5.5	ND	23	56	61
	5	ND	ND	ND	ND	180	ND	6	150	0.68	ND	22	11	24	5.4	ND	21	49	60
	10	ND	ND	ND	ND	260	ND	6.8	140	0.67	ND	24	12	30	5.5	ND	20	49	64
	15	7.5	ND	ND	ND	130	ND	7.9	160	0.79	0.53	27	13	38	6.9	ND	21	61	71
	25	NA	NA	NA	ND	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B6	0.5	ND	ND	ND	ND	ND	4.8	5.1	160	0.73	ND	23	9.2	16	4.9	ND	15	47	41
	5	9.4	ND	ND	ND	ND	ND	6.7	180	0.83	ND	28	12	27	5.6	ND	22	59	63
	10	ND	ND	ND	ND	ND	ND	7.3	120	0.54	ND	22	10	23	4.7	ND	17	48	55
	15	ND	ND	ND	ND	ND	ND	7.9	170	0.76	0.54	29	13	35	5.9	ND	21	66	75
	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B7	0.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
B8	0.5	14	ND	ND	ND	170	ND	5.4	130	0.72	ND	24	11	21	7.5	ND	18	49	53
	5	86	19	ND	ND	120	ND	5.8	180	0.86	ND	26	11	20	5.7	ND	19	52	54
	10	ND	ND	ND	ND	270	ND	6.2	140	0.64	ND	24	12	30	5.3	ND	22	51	62
	10D	4.9	ND	ND	ND	200	ND	6.6	140	0.7	ND	27	13	32	5.3	ND	26	55	63
	15	3.7	ND	ND	ND	310	ND	6	180	0.73	ND	26	14	32	5.5	ND	21	54	76
	25	NA	NA	NA	ND	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B9	0.5	37	24	ND	ND	ND	ND	3.6	89	ND	ND	16	9.2	13	4.1	ND	11	33	31
	5	40	13	ND	ND	ND	ND	4.6	120	0.62	ND	24	8.4	16	4.8	ND	13	47	45
	10	ND	ND	ND	ND	ND	ND	7.3	140	0.71	ND	27	12	31	5.2	ND	21	58	59
	15	ND	ND	ND	ND	ND	ND	6.1	140	0.65	ND	24	12	28	5.1	ND	18	52	67
	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B10	0.5	50	31	ND	ND	ND	ND	3.7	130	ND	ND	16	11	14	4.8	ND	13	34	32
	5	17	ND	6.2	ND	ND	ND	5.6	150	0.62	ND	21	10	18	7	ND	18	48	52
	10	ND	ND	ND	ND	ND	ND	5.9	110	0.52	ND	20	9.8	27	6	ND	19	46	1000
	10D	ND	ND	ND	ND	ND	ND	7	140	0.81	ND	34	12	31	6.2	ND	23	60	69
	15	ND	ND	ND	ND	ND	ND	6.6	160	0.79	ND	28	14	36	6.2	ND	20	62	77
	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Soils excavat. from around B3

Notes:
*Due to the continued use of the trash compactor, boring B7 could not be advanced. Upon removal of the trash compactor, B7 will be advanced and soil samples collected in accordance with the Parcel D Sampling and Analysis Plan (IESI 1999). Results will be submitted as an addendum to the Parcel D Site Investigation Report.
ND = not detected
NA = not analyzed

(7)

BOE-C6-0235315

TABLE 2
STLC and TCLP Analytical Results for Arsenic Soil Samples
Boeing C-6 Facility, Parcel D

Sample ID	Total Arsenic (mg/kg)	STLC (mg/kg)	TCLP (mg/kg)
B3C-10N-0.5	76	2.8	NA
B3C-25N-0.5	120	3.4	ND
B3C-25N-1.0	63	2.1	NA
B3C-25S-0.5	60	2.1	NA
B3C-25S-1.0	110	3.9	NA
B3C-25W-0.5	100	3.2	NA
B3C-25W-1.0	58	2.4	NA
B3C-35S-0.5	54	2.1	NA
B3C-35S-1.0	80	2.6	NA
B3C-35W-0.5	61	2.2	NA
B3C-35W-1.0	130	3.9	NA
B3C-50E-1.0	110	4.9	NA
B3C-50N-0.5	**840**	**21**	2.6
B3C-50S-0.5	79	2.6	NA
B3C-50W-0.5	76	3.1	NA
B3C-50W-1.0	65	2.9	NA
B3C-75E-0.5	57	1.8	NA
B3C-75E-1.0	110	**7.5**	ND
B3C-75N-0.5	58	2.2	NA
B3C-75N-1.0	74	3.0	NA
B3C-75NE-0.5	260	**8.0**	1.2
B3C-75NE-1.0	210	**8.5**	1.3
B3C-75S-0.5	56	1.5	NA
B3C-75S-1.0	65	2.3	NA
B3C-75S-2.0	51	1.6	NA
B3C-75SE-1.0	360	**15**	3.4
B3C-75SW-0.5	270	**14**	2.4
B3C-100NE-0.5	66	3.2	NA
B3C-100NE-1.0	96	3.4	NA

TABLE 2
STLC and TCLP Analytical Results for Arsenic Soil Samples
Boeing C-6 Facility, Parcel D
(Continued)

Sample ID	Total Arsenic (mg/kg)	STLC (mg/kg)	TCLP (mg/kg)
B3C-100S-0.5	150	4.8	NA
B3C-100S-1.0	55	2.7	NA
B3C-100S-B0.5	110	4.6	NA
B3C-100S-C0.5	74	2.0	NA
B3C-100S-D0.5	160	**6.0**	ND
B3C-100SE-0.5	110	3.6	ND
B3C-100SE-1.0	260	**12**	2.6
B3C-100SW-1.0	110	3.5	NA
B3C-125NE-0.5	200	**5.6**	ND
B3C-125NE-1.0	240	**11**	1.5
B3C-125SW-0.5	150	3.7	NA
B3C-125W-0.5	64	1.9	NA
B3C-125W-1.0	74	2.7	NA
B3C-150NE-1.0	200	2.6	ND
B3C-150NE-2.0	83	3.1	NA
B3C-150SW-0.5	120	4.8	ND
B3C-150W-0.5	110	3.7	NA
B3C-150W-1.0	85	2.8	NA
B3C-175SE-1.0	62	1.2	NA
B3C-175W-0.5	220	**8.5**	1.7
B3C-200SW-0.5	68	1.5	NA
B3C-200W-0.5	58	2.1	NA
B3C-225W-0.5	56	2.6	NA

Boldface indicates concentration exceeds Total Threshold Limit Concentration (TTLC) of 500 mg/kg or Soluble Threshold Limit Concentration (STLC) of 5 mg/kg or Toxicity Characteristic Leaching Procedure (TCLP) of 5 mg/kg.

Notes:
1) Total arsenic analyzed using EPA Method 6010.
2) STLC per CCR Title 22.
3) TCLP analyzed using EPA Method 1311.

NA = not analyzed
ND = not detected

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10960A

Sampled: 06/18/99
Received: 06/18/99
Analyzed: 06/28/99
Reported: 06/28/99

STLC ARSENIC (TITLE 22/ EPA 6010)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/l*
99060253	B3C-25N-0.5	3.4

Detection Limit:	1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT m.n.

Orange Coast Analytical, Inc.

10

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10963

Sampled: 06/22/99
Received: 06/22/99
Analyzed: 06/28/99
Reported: 06/28/99

STLC ARSENIC (TITLE 22/ EPA 6010)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/l*
99060300	B3C-50N-0.5	21

Detection Limit:	1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

11

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10980Combo

Analyzed: 07/07/99
Reported: 07/08/99

STLC ARSENIC (TITLE 22 / EPA 6010)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*Laboratory Reference*	*Date Sampled*	*Date Received*	*SAMPLE RESULTS mg/l*
99060254	B3C-25W-0.5	10960	06/18/99	06/18/99	3.2
99060292	B3C-50E-1	10963	06/22/99	06/22/99	4.9
99060310	B3C-25S-1	10963	06/22/99	06/22/99	3.9
99060327	B3C-35W-1	10963	06/22/99	06/22/99	3.9
99060352	B3C-75E-1	10970	06/24/99	06/24/99	7.5
99060360	B3C-100S-0.5	10970	06/24/99	06/24/99	4.8
99060389	B3C-150W-0.5	10976	06/28/99	06/28/99	3.7
99060437	B3C-125SW-0.5	10980	06/30/99	06/30/99	3.7
99060440	B3C-100SW-1	10980	06/30/99	06/30/99	3.5
99060441	B3C-75SW-0.5	10980	06/30/99	06/30/99	14
99060446	B3C-175W-0.5	10980	06/30/99	06/30/99	8.5

Detection Limit: 1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT m.n.

Orange Coast Analytical, Inc.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification (ELAP) No.: 1416 Expiration Date: 2001

Laboratory Director's Name (Print) : Mark Noorani

Client: Integrated Environmental Services, Inc.

Project No.:

Project Name: Parcel D Confirmation

Laboratory Reference: IES 10989A

Analytical Method: Metals

Date Sampled: 07/02/99
Date Received: 07/02/99
Date Reported: 07/16/99

Sample Matrix: Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

(13)

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 11001

Sampled: 07/12/99
Received: 07/12/99
Analyzed: 07/16/99
Reported: 07/16/99

STLC ARSENIC (TITLE 22 / EPA 6010)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/l*
99070124	B3C-175SE-0.5	1.2
99070140	B3C-150NE-1.0	2.6
99070141	B3C-150NE-2.0	3.1
Detection Limit:		1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT_____

Orange Coast Analytical, Inc.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10989A

Sampled: 07/02/99
Received: 07/02/99
Analyzed: 07/16/99
Reported: 07/16/99

STLC ARSENIC (TITLE 22 / EPA 6010)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/kg*
99070042	B3C-125NE-0.5	5.6
99070043	B3C-125NE-1	11
99070044	B3C-100NE-0.5	3.2
99070045	B3C-100NE-1	3.4
99070046	B3C-75NE-0.5	8.0
99070047	B3C-75NE-1	8.5
99070050	B3C-100SE-0.5	3.6
99070051	B3C-100SE-1	12
99070053	B3C-75SE-1	15
99070054	B3C-150SW-0.5	4.8
99070058	B3C-200SW-0.5	1.5
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT Min.

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10989Combo

Analyzed: 07/14/99
Reported: 07/14/99

STLC ARSENIC (TITLE 22 / EPA 6010)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*Laboratory Reference*	*Date Sampled*	*Date Received*	*SAMPLE RESULTS mg/l*
99060251	B3C-25S-0.5	10960	06/18/99	06/18/99	2.1
99060257	B3C-10N-0.5	10960	06/18/99	06/18/99	2.8
99060295	B3C-25N-1.0	10963	06/22/99	06/22/99	2.1
99060313	B3C-35S-0.5	10963	06/22/99	06/22/99	2.1
99060314	B3C-35S-1.0	10963	06/22/99	06/22/99	2.6
99060315	B3C-50S-0.5	10963	06/22/99	06/22/99	2.6
99060319	B3C-25W-1.0	10963	06/22/99	06/22/99	2.4
99060322	B3C-50W-0.5	10963	06/22/99	06/22/99	3.1
99060323	B3C-50W-1.0	10963	06/22/99	06/22/99	2.9
99060326	B3C-35W-0.5	10963	06/22/99	06/22/99	2.2
99060346	B3C-75N-0.5	10970	06/24/99	06/24/99	2.2
99060347	B3C-75N-1.0	10970	06/24/99	06/24/99	3.0
99060351	B3C-75E-0.5	10970	06/24/99	06/24/99	1.8
99060361	B3C-100S-1.0	10970	06/24/99	06/24/99	2.7
99060363	B3C-75S-0.5	10970	06/24/99	06/24/99	1.5
99060364	B3C-75S-1.0	10970	06/24/99	06/24/99	2.3
99060365	B3C-75S-2.0	10970	06/24/99	06/24/99	1.6
99060386	B3C-125W-0.5	10976	06/28/99	06/28/99	1.9
99060387	B3C-125W-1.0	10976	06/28/99	06/28/99	2.7
99060390	B3C-150W-1.0	10976	06/28/99	06/28/99	2.8
99060443	B3C-200W-0.5	10980	06/30/99	06/30/99	2.1
99070007	ParDo-1-1	10985	07/01/99	07/01/99	2.7
99070029	B3C-100S-B0.5	10989	07/02/99	07/02/99	4.6
99070030	B3C-100S-C0.5	10989	07/02/99	07/02/99	2.0
99070031	B3C-100S-D0.5	10989	07/02/99	07/02/99	6.0
99070060	B3C-225W-0.5	10989	07/02/99	07/02/99	2.6
Detection Limit:					1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT M.N.

Orange Coast Analytical, Inc.

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10960A

Sampled: 06/18/99
Received: 06/18/99
Analyzed: 06/25/99
Reported: 06/28/99

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/l*
99060253	B3C-25N-0.5	N.D.
Detection Limit:		1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT m.n.

Orange Coast Analytical, Inc.

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Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10963

Sampled: 06/22/99
Received: 06/22/99
Analyzed: 06/25/99
Reported: 06/28/99

TCLP ARSENIC (EPA 1311/ EPA 6010)

LABORATORY SAMPLE NUMBER	*CLIENT SAMPLE NUMBER*	*SAMPLE RESULTS mg/l*
99060300	B3C-50N-0.5	2.6

Detection Limit:	1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT M.S.

Orange Coast Analytical, Inc.

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10980Combo

Analyzed: 07/07/99
Reported: 07/08/99

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	Laboratory Reference	Date Sampled	Date Received	SAMPLE RESULTS mg/l
99060441	B3C-75SW-0.5	10980	06/30/99	06/30/99	2.4
99060446	B3C-175W-0.5	10980	06/30/99	06/30/99	1.7

Detection Limit:	1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 11001

Sampled: 07/12/99
Received: 07/12/99
Analyzed: 07/16/99
Reported: 07/16/99

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/l
99070140	B3C-150NE-1.0	N.D.
Detection Limit:		1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT m.m.

Orange Coast Analytical, Inc.

20

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 11001

Sampled: 07/12/99
Received: 07/12/99
Analyzed: 07/16/99
Reported: 07/16/99

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/l
99070140	B3C-150E-1.0	N.D.
Detection Limit:		1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT m-n.

Orange Coast Analytical, Inc.

21

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 07/02/99
Received: 07/02/99
Analyzed: 07/13/99
Reported: 07/16/99

Laboratory Reference #: IES 10980A

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070042	B3C-125NE-0.5	N.D.
99070043	B3C-125NE-1	1.5
99070046	B3C-75NE-0.5	1.2
99070047	B3C-75NE-1	1.3
99070050	B3C-100SE-0.5	N.D.
99070051	B3C-100SE-1	2.6
99070053	B3C-75SE-1	3.4
99070054	B3C-150SW-0.5	N.D.
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT m.n.

Orange Coast Analytical, Inc.

22

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10989Combo

Analyzed: 07/13/99
Reported: 07/14/99

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	Laboratory Reference	Date Sampled	Date Received	SAMPLE RESULTS mg/l
99060352	B3C-75E-1.0	10970	06/24/99	06/24/99	N.D.

Detection Limit:	1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT m.n.

Orange Coast Analytical, Inc.

23

Chemical Waste Management, Inc.

GENERATOR'S WASTE PROFILE SHEET

EA 3527
Profile #

(Please carefully read the instructions before completing this form. Please print in ink or type)

Sales #

Service Agreement on file? Yes ☐ No ☐ Classification: Class I ☐ Class II ☐ Daily Cover ☑ Non Haz. ☐

TSDF requested Bradley Technology requested

☐ Check here if this is a Recertification ☐ Check here if a Certificate of Destruction or Disposal is required

GENERAL INFORMATION

1. GENERATOR NAME: Boeing Realty Corporation Generator USEPA ID: CAØ8651ØØØ5
2. Generator Address 4060 Lakewood Blvd., 6th Floor Long Beach, CA 90808 Billing Address: ☑ Same:
3. Technical Contact/Phone S. Mario Stavale (562) 627-3014
4. Alternate Contact/Phone John Morasco (714) 392-1975 Billing Contact/Phone:

PROPERTIES AND COMPOSITION

5. A. Process Generating Waste: Remediation and development - Former Storage Facility
   B. Is the waste from a CERCLA or state mandated cleanup? Yes ☐ No ☑ Location Name:
6. Waste Name: Non-Hazardous Waste Soil for ADC
7. A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes ☐ No ☑
   B. If D001, D002, D003, D004-D043 do any underlying hazardous constituents (UHC's) apply? Yes ☐ No ☑ (if yes, attach UHC form)
   C. Does this waste contain debris (List size and type in chemical composition)? Yes ☐ No ☑
   D. Identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U): NA
   State Waste Codes: 611
   E. Does this waste contain any Class I or Class II ozone depleting substances? ☐ Yes (List in chemical composition) ☑ No
8. Physical state @ 70°F; A. Solid ☑ Liquid ☐ Both ☐ Gas ☐ B. Single Layer ☐ Multilayer ☐ C. Free Liquid range Ø to Ø %
9. A. pH: Range 7 to 8 or Not applicable ☐ B. Strong Odor ☐: describe C. Color
10. Liquid Flash Point: < 73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ > 200°F ☐ N.A. ☑
11. CHEMICAL COMPOSITION: List ALL constituents (including halogenated organics and UHC's) present in any concentration and forward available analysis.

Constituents	Range	Units	Constituents	Range	Units
98-100% soil	98-100	ppm	Arsenic below regulat. levels		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

12. OTHER PCB's: if yes, concentration (dry weight) _____ ppm, PCB's regulated by 40 CFR 761 ☐ Pyrophoric ☐ Explosive ☐ Radioactive ☐ Water Reactive ☐ Shock Sensitive ☐ Oxidizer ☐ Carcinogen ☐ Infectious ☐ Other
13. If Benzene, concentration _____ ppm. Is the waste subject to the Benzene Waste Operation NESHAP? Yes ☐ No ☐ Unknown ☐
14. Is the waste subject to RCRA subpart CC controls? Yes ☐ No ☑ Volatile organic concentration, if known _____ ppmw.
15. If the waste is subject to the land ban and meets the treatment standards, check here: ____ and supply analytical results.

SHIPPING INFORMATION

16. PACKAGING: Bulk Solid ☑ Type/Size: End Dumps Bulk Liquid ☐ Type/Size _____ Drum ☐ Type/Size _____ Other
17. SHIPPING FREQUENCY: Units 4000 yd³ Per: ☐ Month ☐ Qtr. ☐ Year ☑ One Time ☐ Other

SAMPLING INFORMATION

18. A. Sample source (drum, lagoon, pond, tank, vat, etc.)
    Date Sampled: Sampler's Name/Company:
    B. Generator's Agent Supervision Sampling 19. No sample required (See instructions)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary.

Signature	Printed (or typed) name and title	Date
SMStavale	S. Mario Stavale	7/22/99

If the waste profile is approved, Chemical Waste Management, Inc. has the appropriate permits and will accept the waste pursuant to our agreement. CWM Form 6000-DI replaces the following forms: CWM-51, CWM 6000, CWM 50-A-2, CWM 50-B, CWM 6000C AND CWM Form 6000-D.