REDACTED VERSION

~~KOSOVO~~ 3164

KOSOVO

EPAHO104002091

9586108

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date **2/12/2009**

Dear **Ramiz Talifaz**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3164

Expiration Date 2/12/2011

Producer: Kosovo Government
Address:

Material / Product Information

Name of Material / Product Disulfide Oil
Container Type: Iso Container

Detailed Description of Process Generating or Producing the Material / Product:
Containers of oil consolidated into iso containers

Color: Green, Born to Black **Odor:** Pungent **pH:** 4-10
Physical State:

Incompatibilities: Bleach, Strong Oxidizers, Reducing Agents, Acids corrosive to Copper & Copper Alloys

Safety Related Data/Special Handling:
FLAMMABLE PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#31604

MB
JR

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : **Title :**
Phone No : **Fax :**
24 / HR Phone :
U.S EPA I.D No :
State I.D : **SIC Code**

SECTION 2: Billing Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : Ramiz Talifaz **Title :**
Phone No : (281) 300-5322 **Fax :**

SECTION 3: General Description of the Material / Product

Name of Mateiral / Product : Disulfide Oil

Detailed Description of the Process Generating or Producing the Material / Product:

Containers of oil consolidated into iso containers

Physical State : ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color : Green, Born to Black **Odor :** Pungent

Specific Gravity (Water=1) : .99-1.06 **Density :** 8.2-8.8 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Layers : ☑ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain) Iso Container

Container Size : 3000gallons

Number Of Units : 3

Proper U.S. DOT Shipping Name : RQ, UN1993, Flammable Liquids, N.O.S. (disufide oil), 3, PG II

Class : 3 **UN/NA :** UN 1993 **PG :** II **RQ :** 100

EPAHO104002093

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
<86	4-10	N/A mg/l	N/A mg/l	0 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500 mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
WATER	0-5	%
DISULFIDE OIL SOLUTIONS	95-100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
FLAMMABLE PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Bleach, Strong Oxidizers, Reducing Agents, Acids corrosive to Copper & Copper Alloys

SECTION 8: Material Producer's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : ~~Matt~~ DA per Matt **Date :** Bowman

Printed Name / Title : /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information : $128,946.82 for 3 iso containers

Compliance Officer : Matt Bowman

Date : 2-12-09 **Status :** Approved Rejected

Approval Number : PA-3164

EPAHO104002094

#31264

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$128,946.82 for 3x20 containers

2. Contamination Limit (maximum limit before surchages apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

Sodium, BTU, Ash, Zinc, Iron & Chlorides

5. Treatment and Handling Protocol:

Sold as is to PEARS

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER:	CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TX 77021
EMERGENCY PHONE NUMBER:	(713) 676-1460
PRODUCT IDENTIFIER:	DISULFIDE OIL
PRODUCT USE:	SULFIDING AGENT
WHMIS CLASSIFICATION:	B2 – FLAMMABLE LIQUID. D1A – VERY TOXIC MATERIAL CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS D2B – TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		
LD50: 290 TO 500 MG/KG (ORAL-RATS)			(SKIN)
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. – INHALATION-RATS)			
NOTE: Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide			

PHYSICAL DATA

PHYSICAL STATE:	LIQUID
ODOR AND APPEARANCE:	GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
ODOR THRESHOLD:	8-10 (PPB)
SPECIFIC GRAVITY/DENSITY (G/ML):	0.99 – 1.06 @ 20°C
VAPOR PRESSURE:	0.4 PSIA
VAPOR DENSITY (AIR = 1):	3.25
VOLATILITY/VOL (%):	100
SOLUBILITY IN H^2O:	INSOLUBLE
EVAPORATION RATE:	NE
BOILING POINT:	105-120°C
FREEZING POINT:	-80°C
PH:	NA

60° F

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)
ID NUMBER: UN1993
HAZARD CLASS OR DIVISION: 3
PACKING GROUP: II
LABELING REQUIREMENTS: 3

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

FLAMMABILITY:	FLAMMABLE
CONDITIONS:	HEAT, SPARKS, OPEN FLAMES
MEANS OF EXTINCTION:	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
FLASHPOINT:	< 30°C
UPPER EXPLOSION LIMIT (% V):	16 APPROX.
LOWER EXPLOSION LIMIT (% V):	1.1 APPROX.
AUTO-IGNITION TEMPERATURE:	300°C (572°F) APPROX.
HAZARDOUS COMBUSTION PRODUCTS:	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
EXPLOSION DATA:	NE
SENSITIVITY TO IMPACT:	NO
SENSITIVITY TO STATIC DISCHARGE:	NO

REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
CONDITIONS OF REACTIVITY:	DECOMPOSITION TEMPERATURE: 390°C
HAZARDOUS DECOMPOSITION PRODUCTS:	HYDROGEN SULFIDE, METHYL MERCAPTAN. CAN REACT WITH CARBON STEEL TO FORM PYROPHORIC IRON SULFIDES.

HEALTH HAZARD INFORMATION

ROUTE OF ENTRY

SKIN CONTACT:	MAY CAUSE IRRITATION
SKIN ABSORPTION:	NE
EYE:	MAY CAUSE IRRITATION
INGESTION:	HARMFUL IF SWALLOWED
INHALATION:	HARMFUL IF INHALED
ACUTE OVER EXPOSURE EFFECTS:	NE
CHRONIC OVER EXPOSURE EFFECTS:	NE
SENSITIZATION:	DOES NOT MEET WHMIS CRITERIA
CARCINOGENICITY:	DOES NOT MEET WHMIS CRITERIA
TERATOGENICITY:	DOES NOT MEET WHMIS CRITERIA
MUTAGENICITY:	DOES NOT MEET WHMIS CRITERIA
REPRODUCTIVE TOXICITY:	DOES NOT MEET WHMIS CRITERIA

PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	WEAR SAFETY GOGGLES AND IMPERVIOUS GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY, WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE.
SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.

EPAHO104002098

LEAK AND SPILL PROCEDURES:	ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.
WASTE DISPOSAL:	HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.
HANDLING PROCEDURES AND EQUIPMENT:	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS, OR RESTROOMS.
STORAGE REQUIREMENTS:	KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. CONTAINER HAZARDOUS WHEN EMPTY.

FIRST AID MEASURES

EYE:	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
SKIN:	WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
INGESTION:	DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION:	REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTICIAIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

REGULATORY INFORMATION

U.S. REGULATIONS:
CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): NOT REGULATED.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): NOT REGULATED.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): NOT REGULATED.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):
ACUTE: NO
CHRONIC: NO
FIRE: YES
REACTIVE: NO
SUDDEN RELEASE: NO

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

PREPARATION DATE	
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE OR MISUSE ARE BEYOND OUR CONTROL, CES ENVIRONMENTAL SERVICES, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

EPAHO104002100

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER:	CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TX 77021
EMERGENCY PHONE NUMBER:	(713) 676-1460
PRODUCT IDENTIFIER:	DISULFIDE OIL
PRODUCT USE:	SULFIDING AGENT
WHMIS CLASSIFICATION:	B2 – FLAMMABLE LIQUID. D1A – VERY TOXIC MATERIAL CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS D2B – TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		
LD50: 290 TO 500 MG/KG (ORAL-RATS)			(SKIN)
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. – INHALATION-RATS)			
NOTE: Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide			

PHYSICAL DATA

PHYSICAL STATE:	LIQUID
ODOR AND APPEARANCE:	GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
ODOR THRESHOLD:	8-10 (PPB)
SPECIFIC GRAVITY/DENSITY (G/ML):	0.99 – 1.06 @ 20°C
VAPOR PRESSURE:	0.4 PSIA
VAPOR DENSITY (AIR = 1):	3.25
VOLATILITY/VOL (%):	100
SOLUBILITY IN H_2O:	INSOLUBLE
EVAPORATION RATE:	NE
BOILING POINT:	105-120°C
FREEZING POINT:	-80°C
PH:	NA

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)
ID NUMBER: UN1993
HAZARD CLASS OR DIVISION: 3
PACKING GROUP: II
LABELING REQUIREMENTS: 3

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

FLAMMABILITY:	FLAMMABLE
CONDITIONS:	HEAT, SPARKS, OPEN FLAMES
MEANS OF EXTINCTION:	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
FLASHPOINT:	< 30°C
UPPER EXPLOSION LIMIT (% V):	16 APPROX.
LOWER EXPLOSION LIMIT (% V):	1.1 APPROX.
AUTO-IGNITION TEMPERATURE:	300°C (572°F) APPROX.
HAZARDOUS COMBUSTION PRODUCTS:	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
EXPLOSION DATA:	NE
SENSITIVITY TO IMPACT:	NO
SENSITIVITY TO STATIC DISCHARGE:	NO

REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
CONDITIONS OF REACTIVITY:	DECOMPOSITION TEMPERATURE: 390°C
HAZARDOUS DECOMPOSITION PRODUCTS:	HYDROGEN SULFIDE, METHYL MERCAPTAN. CAN REACT WITH CARBON STEEL TO FORM PYROPHORIC IRON SULFIDES.

HEALTH HAZARD INFORMATION

ROUTE OF ENTRY	
SKIN CONTACT:	MAY CAUSE IRRITATION
SKIN ABSORPTION:	NE
EYE:	MAY CAUSE IRRITATION
INGESTION:	HARMFUL IF SWALLOWED
INHALATION:	HARMFUL IF INHALED
ACUTE OVER EXPOSURE EFFECTS:	NE
CHRONIC OVER EXPOSURE EFFECTS:	NE
SENSITIZATION:	DOES NOT MEET WHMIS CRITERIA
CARCINOGENICITY:	DOES NOT MEET WHMIS CRITERIA
TERATOGENICITY:	DOES NOT MEET WHMIS CRITERIA
MUTAGENICITY:	DOES NOT MEET WHMIS CRITERIA
REPRODUCTIVE TOXICITY:	DOES NOT MEET WHMIS CRITERIA

PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	WEAR SAFETY GOGGLES AND IMPERVIOUS GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY, WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE.
SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

EPAHO104002102

LEAK AND SPILL PROCEDURES:	ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.
WASTE DISPOSAL:	HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.
HANDLING PROCEDURES AND EQUIPMENT:	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS, OR RESTROOMS.
STORAGE REQUIREMENTS:	KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. CONTAINER HAZARDOUS WHEN EMPTY.

FIRST AID MEASURES

EYE:	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
SKIN:	WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
INGESTION:	DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION:	REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTICIAIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

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MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

	PREPARATION DATE
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

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EPAHO104002104

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER:	CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TX 77021
EMERGENCY PHONE NUMBER:	(713) 676-1460
PRODUCT IDENTIFIER:	DISULFIDE OIL
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WHMIS CLASSIFICATION:	B2 – FLAMMABLE LIQUID. D1A – VERY TOXIC MATERIAL CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS D2B – TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		
LD50: 290 TO 500 MG/KG (ORAL-RATS)			(SKIN)
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. – INHALATION-RATS)			
NOTE: Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide			

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PHYSICAL STATE:	LIQUID
ODOR AND APPEARANCE:	GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
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VAPOR PRESSURE:	0.4 PSIA
VAPOR DENSITY (AIR = 1):	3.25
VOLATILITY/VOL (%):	100
SOLUBILITY IN H^2O:	INSOLUBLE
EVAPORATION RATE:	NE
BOILING POINT:	105-120°C
FREEZING POINT:	-80°C
PH:	NA

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)
ID NUMBER: UN1993
HAZARD CLASS OR DIVISION: 3
PACKING GROUP: II
LABELING REQUIREMENTS: 3

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

FLAMMABILITY:	FLAMMABLE
CONDITIONS:	HEAT, SPARKS, OPEN FLAMES
MEANS OF EXTINCTION:	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
FLASHPOINT:	< 30°C
UPPER EXPLOSION LIMIT (% V):	16 APPROX.
LOWER EXPLOSION LIMIT (% V):	1.1 APPROX.
AUTO-IGNITION TEMPERATURE:	300°C (572°F) APPROX.
HAZARDOUS COMBUSTION PRODUCTS:	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
EXPLOSION DATA:	NE
SENSITIVITY TO IMPACT:	NO
SENSITIVITY TO STATIC DISCHARGE:	NO

REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
CONDITIONS OF REACTIVITY:	DECOMPOSITION TEMPERATURE: 390°C
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HEALTH HAZARD INFORMATION

ROUTE OF ENTRY

SKIN CONTACT:	MAY CAUSE IRRITATION
SKIN ABSORPTION:	NE
EYE:	MAY CAUSE IRRITATION
INGESTION:	HARMFUL IF SWALLOWED
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CARCINOGENICITY:	DOES NOT MEET WHMIS CRITERIA
TERATOGENICITY:	DOES NOT MEET WHMIS CRITERIA
MUTAGENICITY:	DOES NOT MEET WHMIS CRITERIA
REPRODUCTIVE TOXICITY:	DOES NOT MEET WHMIS CRITERIA

PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	WEAR SAFETY GOGGLES AND IMPERVIOUS GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY, WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE.
SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

EPAHO104002106

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

LEAK AND SPILL PROCEDURES:	ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.
WASTE DISPOSAL:	HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.
HANDLING PROCEDURES AND EQUIPMENT:	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS, OR RESTROOMS.
STORAGE REQUIREMENTS:	KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. CONTAINER HAZARDOUS WHEN EMPTY.

FIRST AID MEASURES

EYE:	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
SKIN:	WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
INGESTION:	DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION:	REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTICIAIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

REGULATORY INFORMATION

U.S. REGULATIONS:
CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): NOT REGULATED.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): NOT REGULATED.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): NOT REGULATED.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):
ACUTE: NO
CHRONIC: NO
FIRE: YES
REACTIVE: NO
SUDDEN RELEASE: NO

EPAHO104002107

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

PREPARATION DATE	
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE OR MISUSE ARE BEYOND OUR CONTROL, CES ENVIRONMENTAL SERVICES, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

EPAHO104002108

3165
KOSOVO

EPAHO104002109

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **2/12/2009**

Dear

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3165

Expiration Date 2/12/2011

Generator: Kosovo Government
Address:

Waste Information

Name of Waste: Oily Water
TCEQ Waste Code #: RECYCLE
Container Type:
Detailed Description of Process Generating Waste:
From the rinsing of iso containers containing disulfide oil
Color: dark **Odor:** slight hydrocarbon **pH:** 4-10
Physical State:
Incompatibilities:
Safety Related Data/Special Handling:
STANDARD PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

~~[redacted]~~

#3165

MB
JR

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : **Title :**
Phone No : **Fax :**
24 / HR Phone :
U.S EPA I.D No :
State I.D : **SIC Code**

SECTION 2: Billing Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : **Title :**
Phone No : **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of the Process Generating Waste:

From the rinsing of iso containers containing disulfide oil

Physical State : ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color : dark **Odor :** slight hydrocarbon

Specific Gravity (Water=1) : 1 **Density :** 8.34 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☐ Single-Phas ☑ Multi-Phase

Container Type : ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55gal

Number Of Units : 5

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☑ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

EPAHO104002111

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : RECYCLE

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated oily water

Class : N/A **UN/NA :** N/A **PG :** N/A **RQ :** N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	4-10	BRL mg/l	BRL mg/l	0 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500ppm mg/l	N/A mg/l	BRL mg/l	BRL mg/l	BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
DISULFIDE OIL	5-10	%
WATER	90-95	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
STANDARD PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : BRL
TCLP Volatilies : BRL
TCLP Semi-Volatiles : BRL
Reactivity : NON

EPAHO104002112

Corrosivity : NON

Ignitability : NON

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ **YES** ☑ **NO**

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Matals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcatego

☐ Oils Subcatego

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : N/A per Matt Bourne **Date :**

Printed Name / Title : /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Robert Thyer

Date : 2-12-09 **Status :** (Approved) Rejected

Approval Number : HOU-3165

Process Facility Information :

$worked into job already. No Bill

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

worked into lump sum bill. No charge for these DWI's.

2. Contamination Limit (maximum limit before surchages apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

PH

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

3166

Schlumberger

EPAHO104002117

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/30/2009**

Dear **Michael Jaskowiak/Angela Brown**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3166

Expiration Date 1/30/2011

Generator: Schlumberger Technology - IPC North
Address: 555 Industrial Blvd; Attn: Virginia Gee
Sugarland, TX 77478

Waste Information

Name of Waste: Oily/zinc water streams
TCEQ Waste Code #: 00321141
Container Type:
Detailed Description of Process Generating Waste:
Water from cleaning equipment and discarding watger used during production
Color: varies **Odor:** mild **pH:** 4-10
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

0109-49

DC/MM

CES Environmental Services, Inc.

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Schlumberger Technology - North Campus
Address: 555 Industrial Blvd, MD 21
City: Sugar Land **State:** TX **Zip:** 77478
Contact: Virginia Jee **Title:**
Phone Number: 281-285-4267 **Fax Number:** 281-285-7784
24/hr Phone Number: 281-595-3518
US EPA ID No: TXD089797799
State ID No: 32572 **SIC Code:** 3357

SECTION 2: Billing Information - ☐ **Same as Above**

Company: Rineco
Address: PO Box 729 - Haskell
City: Benton **State:** AR **Zip:** 72118
Contact: Douglas Highsmith **Title:** Non-Fuels Chemist
Phone Number: 800-377-4692 **Fax Number:** 501-778-8505

SECTION 3: General Description of the Waste

Name of Waste: Oily/Zinc Water Streams
Detailed Description of Process Generating Waste:

water from cleaning equipment - and discarding water used during production

Physical State: ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: varies **Odor:** mild

Specific Gravity (water=1): 1 **Density:** 8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No
Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☑ Multi-phase

Container Type: ☐ Drum ☐ Tote ☑ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☑ Monthly ☐ Yearly ☐ One-Time
Quantity: 3000gal

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No
If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: 00321141

Proper US DOT Shipping Name: Non RCRA/NONDOT Regulated Wastewater
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	4-10	NA mg/l	NA mg/l	0-1 %
Oil & Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1000 mg/l	9185 mg/l	0.293 mg/l	0.000 mg/l	0.126 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Water	97-99	%
Zinc Sludge	0-1	%
N-Hexane Extractable Material	0-36	ppm
N-Hexane Extractable Material, Silica Gel Treated	0-25	ppm
Oil	0-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☑ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory*: *Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☑ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory*: *Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

***Organics Subcategory*: Subpart C**

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☑ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 1/23/2009

Printed Name/Title: Douglas Highsmith/Non-Fuels Chemist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____
Date: 1-30-09 ☑ Approved ☐ Rejected
Approval Number: 3166

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

Disposal: $0.10/gallon
Trans: $70.00/hr

2. Contamination Limit (maximum limit before surchages apply):

Solids - 1%
TOC - 10,000 TOC

3. Surcharge Pricing:

Solids: $0.01/gallon/% greater than 1%
TOC: $0.03/ gallon/ 5000 TOC greater than 10,000

4. Special Testing Requirements:

TOC, Solids, Zinc – ~~test~~ alert ~~Gary P~~ Matt if zinc levels are high

5. Treatment and Handling Protocol:

Standard Wastewater treat

6. Treated Wastewater Discharge Subcategory:

☒ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Dana Carter
Cc: Matt Bowman, Gary Peterson, Prabhaker, Joe Camp, Clint Hopkins

Date: 1/26/09

From: Miles Root

Lab Memo: 09-005

Subject: **Rineco Evaluation 0109-49**

A sample of waste water from Rineco has been evaluated for potential processing at CES. This sample is evaluation 0109-49, and is a sample of waste water generated by Schlumberger, North Campus. This water results from equipment cleaning and production. The potential volume of this stream is 3000 gallons per month. Overall, this water can be processed at CES with minimal effort and should be considered good water for treatment. Its acquisition is recommended.

The accompanying profile for this stream calls is an "oily/zinc water stream, but this sample has no oils and is not high in zinc levels. This water has a pH of 7. It treats easily and without issues. It is clean looking with solids at 0.5%. The metals on the treated sample are acceptable, the TOC is 9185 ppm, an acceptable level, and there are no phenolics. A base price for processing this water should be no less than $0.10/gal with surcharges for TOC values greater than 5000 ppm.

A summary of the analytical testing is found in the table below.

Rineco - Schlumberger North Campus	
Evaluation 0109-49	
Solids, vol%	0.5
pH	7
Phenols, ppm	0
TOC, mg/L	9,185
Oil, vol%	0
Treatability	OK
Metals, ppm	
Ni	0.126
Zn	0.293
Cd	0.042
Cu	0.000
Cr	0.020

3167
PPI

EPAHO104002126

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/30/2009**

Dear **Rudy Johnson**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3167

Expiration Date 1/30/2011

Generator: PPI
Address: 3907 Old Spanish Trail
Houston, TX 77021

Waste Information

Name of Waste: Off-Spec products
TCEQ Waste Code #: CESQ6091
Container Type:
Detailed Description of Process Generating Waste:
unused/off-spec products
Color: varies **Odor:** mild **pH:** 4-11
Physical State:
Incompatibilities: strong oxidizers
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

GRP

Class I liquids

OL

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : PPI
Address : 3907 Old Spanish Trail
City, State, Zip : Houston TX 77021
Contact : Rudy Johnson **Title :**
Phone No : (713) 748-2591 **Fax :** 713-748-2596
24 / HR Phone :
U.S EPA I.D No : TXP490337363
State I.D : XXX12 **SIC Code** na

SECTION 2: Billing Information

Company : PPI
Address : 3907 Old Spanish Trail
City, State, Zip : Houston TX 77021
Contact : Rudy Johnson **Title :**
Phone No : (713) 748-2591 **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Off-spec products

Detailed Description of the Process Generating Waste:

Unused / off spec products

Physical State : ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color : varies **Odor :** mild

Specific Gravity (Water=1) : 1.1 **Density :** 8.36-8.45 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☑ Single-Phas ☐ Multi-Phase

Container Type : ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 20

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

EPAHO104002128

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/30/2009**

Dear **Rudy Johnson**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3167

Expiration Date 1/30/2011

Generator: PPI
Address: 3907 Old Spanish Trail
Houston, TX 77021

Waste Information

Name of Waste: Off-Spec products
TCEQ Waste Code #: CESQ6091
Container Type:
Detailed Description of Process Generating Waste:
unused/off-spec products
Color: varies **Odor:** mild **pH:** 4-11
Physical State:
Incompatibilities: strong oxidizers
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road
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Thank you,

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CES Environmental Services, Inc.

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

None

8. Management for Product Recovered/Recycled (if applicable)

None

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME	EMERGENCY PHONE NO.
PRIDE AND POWER, INC	(713)-748-2591
ADDRESS(Number, Street, City, State, and ZIP Code)	
3901 OLD SPANISH TRAIL, HOUSTON, TX 77021	
CHEMICAL NAME AND SYNONYMS	**REGULAR PHONE NO.**
N.A	
TRADE NAME AND SYNONYMS DON'T BE BALD	**CHEMICAL FAMILY**
NO LYE RELAXER	HAIR RELAXER

SECTION II - HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT CALCIUM HYDROXIDE, GUANIDINE CARBONATE
SODIUM Laureth sulfate, Cocoamide DEA, Cocoamphocarboxypropionate

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES
STEARALKONIUM Chloride

SECTION III - PHYSICAL DATA

BOILING POINT	SPECIFIC GRAVITY (H2O=1)
212°F (approx)	N.A
VAPOR DENSITY (AIR=1)	**VISCOSITY CP.**
N.A	N.A
SOLUBILITY IN WATER	**APPEARANCE AND ODOR**
SOLUBLE	CHARACTERISTIC

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT
N.A

EXTINGUISHING MEDIA
FOAM, DRY CHEMICAL, WATER

SPECIAL FIRE FIGHTING PROCEDURES
NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS
NONE

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE N.A

EFFECTS OF OVEREXPOSURE

EYES:	INGESTION:
~~EYE IRRITATION MIGHT OCCUR~~ MAY CAUSE EYE IRRITATION	MAY CAUSE GASTRIC DISTRESS

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with plenty of water, call physician

INGESTION: DRINK A LARGE AMOUNT OF WATER, CALL PHYSICIAN

EPAHO104002134

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE			HAZARDOUS POLYMERIZATION	MAY OCCUR	
	STABLE	X			MAY NOT OCCUR	X

INCOMPATABILITY (MATERIALS TO AVOID) NONE

HAZARDOUS DECOMPOSITION PRODUCTS NONE

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
DILUTE WITH WATER, MOP UNTIL DRY

WASTE DISPOSAL METHOD
DISPOSE PROPERLY ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) NONE

VENTILATION	LOCAL EXHAUST	NONE
	MECHANICAL (GENERAL)	NONE

PROTECTIVE GLOVES LATEX OR ACRYLIC GLOVES | EYE PROTECTION NONE

OTHER PROTECTIVE EQUIPMENT NONE

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING NONE

OTHER PRECAUTIONS NONE

EPAHO104002135

Material Safety Data Sheet

Date: 05/01/93
Emergency: CHEMTREC
(800) 424-9300

I. General Information

Chemical Name & Synonyms STEARYLDIMONIUM HYDROXYPROPYL OXYETHYL CELLULOSE (AQUEOUS SOLUTION)

Chemical Family
QUATERNARY AMMONIUM CELLULOSIC

Formula
VARIABLE / COMPLEX REACTION PRODUCT

CAS #(s) NA 7732-18-5

Trade Name & Synonyms
CRODACEL QS

CTFA Adopted Name
STEARYLDIMONIUM HYDROXYPROPYL OXYETHYL CELLULOSE (PENDING)

FDA RD # NA

Principle Hazardous Ingredients	%	TLV
CONTACT WITH UNDILUTED MATERIAL MAY CAUSE SEVERE SKIN AND EYE IRRITATION.		

II. Physical & Chemical Properties

Boiling Point (°F)
NA

Vapor Pressure ((mm Hg)
NA

Vapor Density (Air = 1)
NA

Solubility in Water
SOLUBLE

Appearance & Odor
PALE YELLOW, OPAQUE, VISCOUS LIQUID WITH A SLIGHT CHARACTERISTIC ODOR.

Specific Gravity (H2O = 1)
APP. 1.1

Melting Point
APP. 60°C

% Volatiles by Volume
75 - 80 (WATER)

pH
5.0 - 8.0

Other
NA

III. Fire & Explosion Hazard

Flash Point (°F) NA
(Method) NA

Flammable Limits LEL NA
UEL NA

Extinguishing Media
DRY CHEMICAL, FOAM, CO2, WATER SPRAY

Special Fire Fighting Procedures WEAR SELF-CONTAINED BREATHING APPARATUS AND OTHER PROTECTIVE CLOTHING.

Unusual Fire & Explosion Hazards NONE KNOWN

NA = NOT AVAILABLE

Croda

Croda Inc., 7 Century Drive, Parsippany, NJ 07054 TEL. (201) 644-4900 FAX (201) 644-9222
Sales Agents Croda Canada Ltd., 78 Tisdale Avenue, Toronto, ONT M4A 1Y7 (416) 751-3571. Croda Inc. (Midwest) 7777 North Merrimac Avenue, Niles, IL. 60648 (312) 967-0330.
Sol Kaplan & Son, P.O. Box 240234, Memphis, TN. 38124-0234 (901) 685-0323. Croda Inc. (West) 385 S. Acacia, Acacia Business Park, Fullerton, CA 92631 (714) 526-1182.
Croda Universal Inc. 1770 Kirby Parkway, Forum III, Suite 432, Germantown, TN 38138 (901) 753-0022. Non-Warranty. All information contained hereon is intended primarily to demonstrate the utility of Croda surfactants and emollients. We assume no liability in the presentation of this data, nor should this information be construed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.

IV. Health Hazard Data

TLV NA OSHA TLV NA ACGIH TLV NA

CARCINOGEN: NTP NO IARC NO OSHA NO

Toxicity

1. Acute oral LD 50 in white rats NA g or mg/Kg.
2. Acute inhalation LC 50 in white rats NA ppm or NA g or mg/Kg.
3. Acute dermal LD 50 NA g or mg/Kg.

Irritancy or Corrosiveness

1. Skin
   (a) NA value when tested according to method in 16CFR 1500.41.
   (b) (Does/Does not) meet the criteria for corrosiveness in 49CFR 173.240 (a) (1)

2. Eye
   (a) NA when tested according to method in 16CFR 1500.42.
   (b) (Does/Does not) cause destruction of tissue in the eye of the albino rabbit by the method 16CFR 1500.42.

Sensitivity

(Does/Does not) produce allergic sensitization in a substantial number of people.

Human Experience: NA

FOR ADDITIONAL HEALTH HAZARD DATA, SEE SECTION X (REMARKS .

Symptoms of Exposure
CONTACT WITH UNDILUTED MATERIAL MAY CAUSE SEVERE SKIN AND EYE IRRITATION.

Medical Conditions Aggravated by Exposure
MAY AGGRAVATE PRE-EXISTING DERMATOLOGICAL CONDITIONS.

Primary Routes of Entry
OCCUPATIONAL EXPOSURE MOST LIKELY TO OCCUR THROUGH SKIN CONTACT.

Emergency First Aid
EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
SKIN: WASH WITH SOAP AND WATER.
IF INGESTED OR IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

V. Reactivity Data

Stability: Unstable ____ Stable XXX

Conditions to Avoid
NONE KNOWN

Materials to Avoid
STRONG OXIDIZING AGENTS.

Hazardous Polymerization: May Occur ____ May not Occur XXX

Conditions to Avoid
NONE KNOWN

Hazardous Decomposition Products
OXIDES OF CARBON AND NITROGEN.

VI. Environmental Protection Procedures

Spill Protection
PICK UP EXCESS WITH INERT ABSORBENT MATERIAL AND PLACE INTO A SEPARATE WASTE CONTAINER; FLUSH AREA WITH SOAPY WATER.

Waste Disposal Method
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

EPAHO104002137

VII. Special Protection Information

Eye Protection CHEMICAL SPLASH GOGGLES
Respiratory (Specify Type) NOT REQUIRED
Protective Glove IMPERVIOUS
Other
IMPERVIOUS PROTECTIVE APRON.

Ventilation:
Local Exhaust
Mechanical
Special
Other
NORMAL VENTILATION ADEQUATE.

VIII. Special Precautions

Precautions for Handling & Storage STORE IN A COOL, DRY PLACE.

Precautions for Maintenance & Repair of Contaminated Equipment
CLEAN EQUIPMENT THOROUGHLY BEFORE MAINTENANCE OR REPAIR.

Other
USE PROTECTIVE CHEMICAL HANDLING PROCEDURES.

IX. D.O.T. Hazardous Material Information

Proper Shipping Name: NOT REGULATED AS A D.O.T. HAZARDOUS MATERIAL.
Hazard Class: NONHAZARDOUS
Required Packaging: AVAILABLE IN 44 LB. POLYPROPYLENE TUBS.
Required Labels:
NO TRANSPORTATION HAZARD LABELS OR PLACARDS REQUIRED.

X. Remarks

ADDITIONAL HEALTH HAZARD DATA:
TESTED AS A 1.25% SOLUTION:
PRIMARY IRRITATION INDEX (PII) = 0.0
PRIMARY OCULAR IRRITATION = SLIGHT CONJUNCTIVAL IRRITANT

IN VITRO SKIN IRRITATION TESTING - MILD IRRITATION POTENTIAL.

THE ANALYTICAL TEST RESULTS PROVIDED IN THIS MSDS ARE TYPICAL VALUES AND SHOULD NOT BE CONSIDERED AS GUARANTEES OF ANY SPECIFIC LOT.

The data supplied in this MSDS relates only to the specific material designated herein and does not relate to use in combinations with any other materials or in any process. The information is supplied in good faith and based on technical data which Croda believes to be reliable and accurate. No warranty either express or implied is made.

EPAHO104002138

XI. Additional Regulatory Data

Reportable Components: SARA, Section 313	%	RQ, CERCLA	RCRA
NO REPORTABLE COMPONENTS			

Reportable Components: Proposition 65	ppm
THIS MATERIAL IS NOT KNOWN TO CONTAIN CHEMICALS WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY.	

Reportable components: WHMIS	%
NO REPORTABLE COMPONENTS	

EPAHO104002139

1 pail

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CRODA

Croda Inc.
300-A Columbus Circle
Edison, NJ 08837

MATERIAL SAFETY DATA SHEET

(Conforms to OSHA Regulations - 29 CFR 1910.1200)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name:	**KERAVIS**
Chemical Family:	Protein - Silicone Polymer Derivative
Chemical Name:	Aqua (and) Hydrolyzed vegetable protein PG-propyl silanetriol
International Nomenclature Cosmetic Ingredient (INCI) Name:	Hydrolyzed Vegetable Protein PG-Propyl Silanetriol

EMERGENCY TELEPHONE NUMBER: **CHEMTREC: 1-800-424-9300**

NON-EMERGENCY PRODUCT INFORMATION:

CRODA INC.
NORTH AMERICAN HEADQUARTERS & INNOVATION CENTER
300-A COLUMBUS CIRCLE
EDISON, NJ 08837-3907
TEL: 732-417-0800 FAX: 732-417-0804

SECTION 2 - COMPOSITION AND INGREDIENT INFORMATION

Ingredient	CAS number	Concentration %	Exposure limit
Water	7732-18-5	231-791-2	Not established
Hydrolyzed vegetable protein PG-propyl silanetriol	467234-53-3	Polymer	Not established

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SECTION 3 - HAZARDOUS IDENTIFICATION

This material is non-hazardous as defined by the OSHA Hazard Communication Standard.

SECTION 4 - FIRST AID MEASURES

Skin: Wash with soap and water.

Eyes: Flush with water for at least 15 minutes If irritation develops, get medical attention.

Ingested: Get medical attention. Do not induce vomiting.

SECTION 5 - FIRE FIGHTING PROCEDURES

Flash Point: >100 °C

Flammable - LEL: Not applicable. Flammable - UEL: Not applicable

Extinguishing Medium: Dry chemical, foam, carbon dioxide or water spray.

Special Fire Fighting Procedure: Wear self-contained breathing apparatus and other protective clothing.

Unusual Fire Explosion Hazards: None known

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Clean up with inert absorbent material and place into a separate waste container. Flush the area with warm water.

SECTION 7 - HANDLING AND STORAGE

To optimize product integrity and quality, store under cool, dry conditions.

SECTION 8 - EXPOSURE CONTROLS & PERSONAL PROTECTION

Ventilation Requirements: Normal ventilation adequate.

Recommended Personal Protective Equipment:

Respiratory: Not required.

Eyes: Safety glasses.

Hands: Impervious gloves

Other: Not required.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not available.	Vapor Pressure:	Negligible at ambient temperatures
Vapor Density:	Not available.	Evaporation Rate:	Not available
Specific Gravity:	Not available.	Melting Point:	Not available.
Solubility:	Soluble in water.	pH:	4.5 - 5.0
Appearance:	Clear yellow/amber liquid.	Odor:	Characteristic

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	None known
Hazardous decomposition:	Oxides of carbon, nitrogen
Incompatibility (Materials to avoid):	Strong oxidizing agents
Hazardous polymerization:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute oral toxicity:	No data available.
Dermal toxicity:	No data available.
Dermal irritancy:	In-Vitro: moderate to mild irritation potential under test conditions
Ocular irritancy:	HET-CAM: practically no irritation potential under test conditions
Carcinogenicity or other:	Not listed as a carcinogen by IARC, NTP or OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

No data available

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SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Nonhazardous

SECTION 15 - REGULATORY INFORMATION

INTERNATIONAL CHEMICAL INVENTORY STATUS:

UNITED STATES TOXIC SUBSTANCES CONTROL ACT (TSCA):	Not Listed
EUROPEAN INVENTORY OF NEW AND EXISTING CHEMICAL SUBSTANCES (EINECS):	Polymer
AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS):	Not Listed
CANADIAN DOMESTIC / NON-DOMESTIC SUBSTANCE LISTS:	Not Listed

SARA 312:	No reportable components.
SARA 313:	No reportable components.
Canadian WHMIS:	No reportable components.
California Proposition 65:	No reportable components.

SECTION 16 - OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS):

Health: 1 Fire: 0 Reactivity: 0 PPE Code: B

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Health: 1 Fire: 0 Reactivity: 0 Additional Information: (none)

NON-WARRANTY: ALL INFORMATION CONTAINED HEREON IS INTENDED PRIMARILY TO DEMONSTRATE THE UTILITY OF CRODA PRODUCTS. WE ASSUME NO LIABILITY IN THE PRESENTATION OF THIS DATA, NOR SHOULD THE INFORMATION BE CONSTRUED AS GRANTING LICENSE TO PRACTICE ANY METHODS OR COMPOSITIONS OF MATTER COVERED BY U.S. OR FOREIGN PATENTS.

THE DATA SUPPLIED IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATIONS WITH ANY OTHER MATERIALS OR IN ANY PROCESS. THE INFORMATION IS SUPPLIED IN GOOD FAITH AND BASED ON TECHNICAL DATA WHICH CRODA BELIEVES TO BE RELIABLE AND ACCURATE. NO WARRANTY EITHER EXPRESS OR IMPLIED IS MADE.

EPAHO104002143

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **WHITE PROTOPET® 1S PETROLATUM**

Chemical name: Petrolatum

Supplier:
Crompton Corporation
One American Lane
Greenwich, CT 06831-2559, USA

Emergency telephone number:
(24 hours) 732-826-6600
(24 hours) 800-424-9300
724-756-2210
Canada (24 hour emergency #): 416-28[illegible]-1661

For MSDS, Product Safety, or regulatory inquiries, call:
Kenneth Blair 732-826-6600 X295
To request an MSDS, Call: 866-430-2775

Customer Service:
Customer Service 877-948-2688

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
Petrolatum	8009-03-8	100.0 %
Vitamin E	59-02-9	< 10.0 PPM
2,6-Di-tert-butyl-p-cresol	128-37-0	< 10.0 PPM

Note(s): This is not a dangerous substance

3. HAZARDS IDENTIFICATION

APPEARANCE

Physical state Semi-solid A liquid above the melting point.

Color	White to light yellow
Odor	None

EMERGENCY OVERVIEW

THIS PRODUCT IS A USP GRADE PETROLATUM. IT IS NOT EXPECTED TO PRESENT ANY UNUSUAL HAZARDS, IN PROPER USE.

THIS PRODUCT IS OFTEN TRANSPORTED AND HANDLED HOT. CARE SHOULD BE TAKEN TO PREVENT THERMAL BURNS.

POTENTIAL HEALTH EFFECTS

Swallowing
Acute effects
Ingestion is unlikely to have any toxic effects but the product may act as an intestinal lubricant and result in diarrhea and frequent loose stools.

Skin absorption
Acute effects
Harmful effects are not expected from short periods of contact.

Inhalation
Acute effects
Harmful effects are not expected from static vapor at ambient temperature.
Inhalation of mist or spray may be harmful.

Chronic effects
Aspiration may cause pulmonary edema or aspiration pneumonia.
Oil deposits in the lung may lead to fibrosis and reduced pulmonary function.
Prolonged or repeated inhalation of excessive amounts of oil mist or vapors may cause irritation of the respiratory tract.

Skin contact
Acute effects
No evidence of harmful effects from available information.

Eye contact
Acute effects
No evidence of harmful effects from available information.

POTENTIAL ENVIRONMENTAL EFFECTS

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

4. FIRST AID MEASURES

Swallowing
Treat symptomatically. Not expected to be toxic by ingestion. WHEN MOLTEN ONLY (m lten product can cause thermal burns)

Skin
No emergency care anticipated. Wash skin with soap and water. Remove contaminated cloth ng. Wash clothing before re-use. Obtain medical attention if irritation persists. WHEN MOLTEN ONLY (molt n product can cause thermal burns) If burned by contact with hot molten material, cool burned skin as quickly as ossible by immersing in cold water, or applying cold water. Call a physician.

Inhalation
Obtain medical attention. Oxygen may be given by qualified personnel if breathing is difficu t or cyanosis (blue discoloration of skin) is noted. Give artificial respiration if not breathing. Remove to fresh ai if aerosol spray is inhaled. Aspiration may cause pulmonary edema or aspiration pneumonia. Exposed persons hould be kept under medical observation for at least 48 hours because delayed effects may occur. WHEN MOLT N ONLY (molten product can cause thermal burns)

Eye contact
No emergency care anticipated. Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists. WHEN MOLTEN ONLY (molten product can cause thermal burns)

5. FIRE-FIGHTING MEASURES

Flash point: > 204 °C (400 °F)
NFPA CLASSIFICATION

Health: 0	Flammability: 1	Reactivity: 0	Spec al provisions: -

Special fire fighting procedures
Use water spray to cool fire-exposed containers and structures. Do not direct a solid stream o water or foam into burning molten material; this may cause spattering and spread the fire.

Special protective equipment for firefighters
Body covering protective clothing, full "turn-out" gear. Self-contained breathing apparatus wi h full face-piece operated in positive pressure mode.

Extinguishing media
Suitable: Treat as an oil fire.
Small fires:
- CO2
- dry powder
- foam
Large fires:
- alcohol-type foam or universal-type foams
- water fog

Unsuitable: Oil will float on water and can spread any fire.

Unusual fire and explosion hazards
This product will burn if involved in a fire. This product will float upon water, so water spra / is not a suitable extinguishing agent as it may cause any fire to spread.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Eliminate sources of ignition. Use heat protective equipment (such as gloves, long sleeves, ar d aprons) when handling molten material.

Environmental precautions
This product is insoluble in water and will float on the surface. Prevent from entering sewers or drains. Should this product enter sewers or drains, it should be pumped out into an open vessel. Emergency servi es may need to be called to assist in this operation.

Methods for cleaning up
Floor may be slippery; use care to avoid falling.

Small spills: Cover remaining spilled product with dry powder, dry sand, or Vermiculite.

Large spills: After cooling solidification, scrape and/or shovel upmaterial.
Large spill: Pump or vacuum transfer spilled product to clean containers for ecovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other mate rials to containers for disposal.
Stop leak, if without risk.

7. HANDLING AND STORAGE

HANDLING

Handling precautions
Never use pressure to empty drums. Keep drums tightly closed to prevent contamination. Re idual vapors may explode on ignition; do not puncture, drill, grind, or weld near this container. Electrically bon l and ground all containers and equipment before transfer or use of material.

STORAGE

Storage requirements
Normal precautions common to safe manufacturing practice should be followed in handling ar d storage. Store in a dry place. Keep container tightly closed. Keep out of strong sunlight. Do not store at temper tures: >+90 °C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection
If vapor and/or mist is generated by heating, spraying, etc., wear an organic vapor respirator with a mist filter. No special; respiratory protection is normally required.

Hand protection / protective gloves
Wear oil resistant gloves.
Heat protective impervious gloves when handling molten product.

Eye protection
Face shield or chemical splash goggles in case of splashing.

Skin protection
Wear protective clothing, such as long sleeves to minimize skin contact.
Coveralls when handling molten product.

Industrial hygiene measures
Remove contaminated clothing and clean it.
Do not eat or drink at work.

ENGINEERING CONTROLS

Ventilation
Local ventilation is needed in the presence of airborne mists.

EXPOSURE LIMITS

Component	Type	Value	Remark
Mineral Oil Mist	TWA (mist), ACGIH	5.0 mg/m3	If used in way that generates a "mist" observe the limits for Mineral Oil Mist.
	STEL (mist), ACGIH	10.0 mg/m3	

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Semi-solid A liquid above the melting point.
Color	White to light yellow
Odor	None

OTHER PROPERTIES

Boiling point	No data available.
Melting point	38 - 60 °C at STP unless specified below.
Specific gravity (H2O=1)	< 1
Vapor pressure	< 0.005 hPa (0.00 mmHg) at 20 °C
Solubility in water	Insoluble
Solubility in organic solvents	Soluble
Partitioning coefficient	log POW: > 6 This product is soluble in oil.
Flash point	> 204 °C (400 °F) Method: Cleveland open cup ASTM D 92
Percent volatiles	Nil

10. STABILITY AND REACTIVITY

Stability: Stable.

Incompatible materials
Normally unreactive; however avoid contact with:
Strong oxidizing agents.
Sunlight or ultraviolet light.
Heat or high temperature.

Hazardous combustion products
Burning can produce the following combustion products:
Oxides of carbon.
Soot

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

GENERAL

No evidence of harmful effects from available information.

SWALLOWING

Test results

Acute toxicity: Remark: No data available.

SKIN ABSORPTION

Test results
Acute toxicity: Remark: No data available.

INHALATION

Test results
Acute toxicity: Remark: No data available.

12. ECOLOGICAL INFORMATION

This product is stable in water, and can be mechanically separated from water. The water r ay be suitable for disposal in a biological waste water treatment plant.

13. DISPOSAL CONSIDERATIONS

General: Incineration is probably the best means of disposal. Dispose of in accord nce with appropriate Federal, State, and local regulations.

14. TRANSPORT INFORMATION

DOT Classification

Not regulated by ground or rail if shipped or transported at temperatures under 212 °F (10(°C) or in containers less than 450 liters (119 US gal).
If shipped or transported at temperatures over 212 °F (100 °C) and in containers greater th n 450 liters (119 US gal), this product is regulated as ELEVATED TEMPERATURE LIQUID, NOS at or above 10(°C and below its flash, Class 9, UN 3257, PGIII, ERG 128.

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Petrolatum	8009-03-8	

EPA Hazard Categories (SARA 311, 312): None

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.

Europe: The ingredients of this product are on the EINECS inventory.

United States: The ingredients of this product are on the TSCA inventory.

Australia: The ingredients of this product are on the AICS inventory.

Japan: The ingredients of this product are on the ENCS inventory.

FDA

Food additive
This product is a USP grade Petrolatum which is used for a variety of applications such as food grade lubricants and in the production of cosmetics and pharmaceuticals. It meets the requirements of the US FDA as per 21 CFR 172.880 and 21 CFR 178.3700.

16. OTHER INFORMATION

HMIS RATING

Health: 0	Flammability: 1	Reactivity: 0	PPI:

LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard

AMCO CHEMICAL -- MINERAL OIL (KAYDOL) - PETROLATUM, LIQUID, TECHNICAL
MATERIAL SAFETY DATA SHEET
NSN: 9150004046055
Manufacturer's CAGE: 97984
Part No. Indicator: A
Part Number/Trade Name: MINERAL OIL (KAYDOL)

General Information

Item Name: PETROLATUM, LIQUID, TECHNICAL
Company's Name: AMCO CHEMICAL CORP
Company's Street: 3RD - CYPRS
Company's P. O. Box: 208
Company's City: OAKLAND
Company's State: CA
Company's Country: US
Company's Zip Code: 94607
Company's Emerg Ph #: 415-938-3403
Company's Info Ph #: 415-938-3403
Record No. For Safety Entry: 005
Tot Safety Entries This Stk#: 005
Status: SE
Date MSDS Prepared: 24APR91
Safety Data Review Date: 24APR91
Supply Item Manager: CX
Preparer's Company: DEFENSE GENERAL SUPPLY CENTER
Preparer's St Or P. O. Box: DGSC-SSH
Preparer's City: RICHMOND
Preparer's State: VA
Preparer's Zip Code: 23297
MSDS Serial Number: BJXYJ
Specification Number: NONE
Spec Type, Grade, Class: NOT APPLICABLE
Hazard Characteristic Code: N1
Unit Of Issue: GL
Unit Of Issue Container Qty: 1 GALLON
Type Of Container: CAN
Net Unit Weight: 7.0 LBS

Ingredients/Identity Information

Proprietary: NO
Ingredient: MINERAL OIL (EXPOSURE REGULATED AS 'OIL MIST')
Ingredient Sequence Number: 01
Percent: 100
NIOSH (RTECS) Number: PY8030000
CAS Number: 8012-95-1
OSHA PEL: 5 MG/M3
ACGIH TLV: 5 MG/M3/10 STEL;9192
Other Recommended Limit: NONE SPECIFIED

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS, OILY LIQUID, PRACTICALLY ODORLESS
Boiling Point: UNKNOWN
Melting Point: LOW TEMP
Vapor Pressure (MM Hg/70 F): UNKNOWN
Vapor Density (Air=1): UNKNOWN
Specific Gravity: 0.84
Decomposition Temperature: UNKNOWN

EPAHO104002152

Evaporation Rate And Ref: UNKNOWN
Solubility In Water: NEGLIGIBLE
Viscosity: 97-107@100F

Fire and Explosion Hazard Data

Flash Point: >420F,>216C
Flash Point Method: COC
Lower Explosive Limit: UNKNOWN
Upper Explosive Limit: UNKNOWN
Extinguishing Media: USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION
Materials To Avoid: STRONG OXIDIZING AGENTS
Hazardous Decomp Products: CARBON MONOXIDE AND OTHER UNIDENTIFIED HYDROCARBONS FROM COMBUSTION.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-LC50 Mixture: TDLO IPR-MOUSE: 14 GM/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: INHALATION OF VAPOR OR MISTS CAN CAUSE ASPIRATION PNEUMONIA.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: IRAC "3". MINERAL OILS ARE SUSPECTED CARCINOGENS OF THE SKIN AND SCROTUM, LARYNX, LUNG AND ALIMENTARY TRACTS.
Signs/Symptoms Of Overexp: MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION.
Med Cond Aggravated By Exp: PRE-EXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. EYE: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP & WATER/WATERLESS CLEANER. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS REQUIRED. GET MEDICAL ADVICE.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: CONTAIN SPILLAGE. ELIMINATE SOURCES OF IGNITION. STOP LEAK AT SOURCE IF SAFE. VENTILATE AREA. EVACUATE NONESSENTIAL PERSONNEL. PUMP LIQUID INTO DOT DISPOSAL DRUM. ABSORB REMAINING LIQUID ONTO INERT ABSORBENT & PLACE IN DOT DISPOSAL DRUM. WASH AREA.
Neutralizing Agent: NONE

EPAHO104002153

Waste Disposal Method: DISCARD ANY PRODUCT (INCLUDING ANY RETAINED MATERIALS OF USE), DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. PRODUCT MAY BE INCINERATED OR RECLAIMED.
Precautions-Handling/Storing: STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. KEEP AWAY FROM OPEN FLAMES & HIGH TEMPERATURES.
Other Precautions: MINIMIZE SKIN CONTACT. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES (SHOES) THAT CAN NOT BE DECONTAMINATED.

Control Measures

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS. RESPIRATORY PROTECTION NOT ORDINARILY REQUIRED.
Ventilation: USE ADEQUATE MECHANICAL VENTILATION.
Protective Gloves: NEOPRENE RUBBER AS REQUIRED.
Eye Protection: CHEMICAL SAFETY GOGGLES RECOMMENDED.
Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.
Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.
Suppl. Safety & Health Data: DO NOT GET IN EYES OR ON CLOTHING.

Transportation Data

Trans Data Review Date: 91114
DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Code: ZZZ
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
Additional Trans Data: NONE

Disposal Data

Label Data

Label Required: YES
Technical Review Date: 24APR91
Label Status: F
Common Name: KAYDOLX
Chronic Hazard: YES
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Slight: X
Reactivity Hazard-None: X
Special Hazard Precautions: INHALATION OF VAPOR OR MISTS CAN CAUSE ASPIRATION PNEUMONIA. MINERAL OILS ARE SUSPECTED CARCINOGENS OF THE SKIN AND SCROTUM, LARYNX, LUNG AND ALIMENTARY TRACTS. STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL

EPAHO104002154

ATTENTION. EYE: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ADVICE.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: AMCO CHEMICAL CORP
Label Street: 3RD - CYPRS
Label P.O. Box: 208
Label City: OAKLAND
Label State: CA
Label Zip Code: 94607
Label Country: US
Label Emergency Number: 415-938-3403
Year Procured: 1987

EPAHO104002155

Witco
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WITCO

MATERIAL SAFETY DATA SHEET

Product name: [redacted]
MSDS Number: 40000000519 Revision: 1.7 11/25/2000

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: YELLOW PROTOPET® 2A PETROLATUM

Chemical name: Petrolatum

Supplier:
Crompton Corporation
One American Lane
Greenwich, CT 06831-2559, USA

Emergency telephone number:
(24 hours) 732-826-6600
(24 hours) 800-424-9300
724-756-2210
Canada (24 hour emergency #): 416-284-1661

For MSDS, Product Safety, or regulatory inquiries, call: Dr. R. David Peveler 203-552-3118

Customer Service: Customer Service 877-948-2688

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
petrolatum	8009-03-8	100.0 %
Vitamin E	59-02-9	< 10.0 PPM
2,6-Di-tert-butyl-p-cresol	128-37-0	< 10.0 PPM

Note(s): This is not a dangerous substance

3. HAZARDS IDENTIFICATION

APPEARANCE

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MATERIAL SAFETY DATA SHEET

Product name: YELLOW PROTOPET® 2A PETROLATUM

Physical state	Semi-solid A liquid above the melting point.
Color	Yellow to amber
Odor	None

EMERGENCY OVERVIEW

THIS PRODUCT IS A USP GRADE PETROLATUM. IT IS NOT EXPECTED TO PRESENT ANY UNUSUAL HAZARDS, IN PROPER USE.

THIS PRODUCT IS A TECHNICAL GRADE PETROLATUM. IT IS NOT EXPECTED TO PRESENT ANY UNUSUAL HAZARDS, IN PROPER USE.

POTENTIAL HEALTH EFFECTS

Swallowing

Acute effects

Ingestion is unlikely to have any toxic effects but the product may act as an intestinal lubricant and result in diarrhea and frequent loose stools.

Skin absorption

Acute effects

Harmful effects are not expected from short periods of contact.

Inhalation

Acute effects

Harmful effects are not expected from static vapor at ambient temperature.
Inhalation of mist or spray may be harmful.

Chronic effects

Aspiration may cause pulmonary edema or aspiration pneumonia.
Oil deposits in the lung may lead to fibrosis and reduced pulmonary function.
Prolonged or repeated inhalation of excessive amounts of oil mist or vapors may cause irritation of the respiratory tract.

Skin contact

Acute effects

No evidence of harmful effects from available information.

Eye contact

Acute effects

No evidence of harmful effects from available information.

POTENTIAL ENVIRONMENTAL EFFECTS

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

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MATERIAL SAFETY DATA SHEET

4. FIRST AID MEASURES

Swallowing
Treat symptomatically. Not expected to be toxic by ingestion. WHEN MOLTEN ONLY (molten product can cause thermal burns)

Skin
No emergency care anticipated. Wash skin with soap and water. Remove contaminated clothing. Wash clothing before re-use. Obtain medical attention if irritation persists. WHEN MOLTEN ONLY (molten product can cause thermal burns) If burned by contact with hot molten material, cool burned skin as quickly as possible by immersing in cold water, or applying cold water. Call a physician.

Inhalation
Obtain medical attention. Oxygen may be given by qualified personnel if breathing is difficult or cyanosis (blue discoloration of skin) is noted. Give artificial respiration if not breathing. Remove to fresh air if aerosol spray is inhaled. Aspiration may cause pulmonary edema or aspiration pneumonia. Exposed persons should be kept under medical observation for at least 48 hours because delayed effects may occur. WHEN MOLTEN ONLY (molten product can cause thermal burns)

Eye contact
No emergency care anticipated. Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists. WHEN MOLTEN ONLY (molten product can cause thermal burns)

5. FIRE-FIGHTING MEASURES

Flash point: > 204 °C (400 °F)
NFPA CLASSIFICATION

Health: 0	Flammability: 1	Reactivity: 0	Special provisions: -

Special fire fighting procedures
Use water spray to cool fire-exposed containers and structures. Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

Special protective equipment for firefighters
Body covering protective clothing, full "turn-out" gear. Self-contained breathing apparatus with full face-piece operated in positive pressure mode.

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MATERIAL SAFETY DATA SHEET

Product name: YELLOW PROTOPET® 2A PETROLATUM

Extinguishing media

Suitable: Treat as an oil fire.
Small fires:
- CO2
- dry powder
- foam
Large fires:
- alcohol-type foam or universal-type foams
- water fog

Unsuitable: Oil will float on water and can spread any fire

Unusual fire and explosion hazards

This product will burn if involved in a fire. This product will float upon water, so water spray is not a suitable extinguishing agent as it may cause any fire to spread.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Eliminate sources of ignition. Use heat protective equipment (such as gloves, long sleeves, and aprons) when handling molten material.

Environmental precautions

This product is insoluble in water and will float on the surface. Prevent from entering sewers or drains. Should this product enter sewers or drains, it should be pumped out into an open vessel. Emergency services may need to be called to assist in this operation.

Methods for cleaning up

Floor may be slippery; use care to avoid falling.

Small spills: Cover remaining spilled product with dry powder, dry sand, or Vermiculite.

Large spills: After cooling solidification, scrape and/or shovel up material.
Large spill: Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.
Stop leak, if without risk.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Never use pressure to empty drums. Keep drums tightly closed to prevent contamination. Residual vapors may

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MATERIAL SAFETY DATA SHEET

explode on ignition, do not puncture, drill, grind, or weld near this container. Electrically bond and ground all containers and equipment before transfer or use of material

STORAGE

Storage requirements
Normal precautions common to safe manufacturing practice should be followed in handling and storage. Store in a dry place. Keep container tightly closed. Keep out of strong sunlight. Do not store at temperatures >+50 °C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection
If vapor and/or mist is generated by heating, spraying, etc., wear an organic vapor respirator with a mist filter. No special respiratory protection is normally required.

Hand protection / protective gloves
Wear oil resistant gloves.
Heat protective impervious gloves when handling molten product.

Eye protection
Face shield or chemical splash goggles in case of splashing.

Skin protection
Wear protective clothing, such as long selves to minimize skin contact.
Coveralls when handling molten product.

Industrial hygiene measures
Remove contaminated clothing and clean it
Do not eat or drink at work.

ENGINEERING CONTROLS

Ventilation
Local ventilation is needed in the presence of airborne mists.

EXPOSURE LIMITS

Component	Type	Value	Remark
Mineral Oil Mist	TWA (mist), ACGIH	5.0 mg/m3	If used in way that generates a "mist" observe the limits for Mineral Oil Mist
	STEL (mist), ACGIH	10.0 mg/m3	

9. PHYSICAL AND CHEMICAL PROPERTIES

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MATERIAL SAFETY DATA SHEET

Product name: YELLOW PROTOPET® 2A PETROLATUM

APPEARANCE

Physical state	Semi solid - Liquid above the melting point.
Color	Yellow to amber
Odor	None

OTHER PROPERTIES

Boiling point	No data available.
Melting point	38 - 60 °C at STP unless specified below.
Specific gravity (H2O=1)	< 1
Vapor pressure	< 0.005 hPa (0.00 mmHg) at: 20 °C
Solubility in water	Insoluble
Solubility in organic solvents	Soluble
Partitioning coefficient	log POW: > 6 This product is soluble in oil.
Flash point	> 204 °C (400 °F) Method: Cleveland open cup ASTM D 92
Percent volatiles	Nil

10. STABILITY AND REACTIVITY

Stability: Stable.

Incompatible materials
Normally unreactive, however avoid contact with:
Strong oxidizing agents.
Sunlight or ultraviolet light.
Heat or high temperature.

Hazardous combustion products
Burning can produce the following combustion products:
Oxides of carbon
Soot

Hazardous polymerization: Will not occur.

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MATERIAL SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

GENERAL

No evidence of harmful effects from available information.

SWALLOWING

Test results
Acute toxicity: Remark: No data available.

SKIN ABSORPTION

Test results
Acute toxicity: Remark: No data available.

INHALATION

Test results
Acute toxicity: Remark: No data available.

12. ECOLOGICAL INFORMATION

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

13. DISPOSAL CONSIDERATIONS

General: Incineration is probably the best means of disposal. Dispose of in accordance with appropriate Federal, State, and local regulations.

14. TRANSPORT INFORMATION

DOT Classification

Not regulated by ground or rail if shipped or transported at temperatures under 212 °F (100 °C) or in containers less than 450 liters (119 US gal).

Proper shipping name: ELEVATED TEMPERATURE LIQUID, N.O.S.
Class: 9
UN ID #: UN3257

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MATERIAL SAFETY DATA SHEET

Product name: YELLOW PROTOPET® 2A PETROLATUM

Packing group: III
Freight description road: 65 PETROLEUM OIL, N.O.B.,I.N

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
petrolatum	8009-03-8	

EPA Hazard Categories (SARA 311, 312): None

CHEMICAL INVENTORY

Canada:	The ingredients of this product are on the DSL.
Europe:	The ingredients of this product are on the EINECS inventory
United States:	The ingredients of this product are on the TSCA inventory.
Australia:	The ingredients of this product are on the AICS inventory.
Japan:	The ingredients of this product are on the ENCS inventory.
Korea:	This product is listed on the Existing Chemicals List (ECL).

FDA

Food additive
This product is a USP grade Petrolatum which is used for a variety of applications such as food grade lubricants and in the production of cosmetics and pharmaceuticals. It meets the requirements of the US FDA as per 21 CFR 172.880 and 21 CFR 178.3700.

WITCO

MATERIAL SAFETY DATA SHEET

16. OTHER INFORMATION

HMIS RATING

Health: 0	Flammability: 1	Reactivity: 0	PPE: -

LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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The opinions expressed herein are those of qualified experts within Crompton Corporation. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Crompton Corporation, it is the user's obligation to determine the conditions of safe use of the products.

ILLW
8913

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/30/2009**

Dear **Trey Cherry**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3168

Expiration Date 1/30/2011

Generator: MTI Services, LLC
Address: 2150 Pansy
Pasadena, TX 77503

Waste Information

Name of Waste: RCRA empty containers
TCEQ Waste Code #: recycle
Container Type:
Detailed Description of Process Generating Waste:
RCRA empty containers
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

JB/AL

CES Environmental Services, Inc.

☑ CES Environmental Services - Houston Facility	☐ CES Environmental Services - Port Arthur Facility
4904 Griggs Road, Houston, TX 77021	2420 S. Gulfway Dr., Port Arthur, TX 77641
Phone (713) 676-1460 Fax: (713) 676-1676	Phone (713) 676-1460 Fax: (713) 676-1460
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900	U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
TCEQ Industrial Solid Waste Permit Number: 30948	

Recycle

SECTION 1: Generator Information

Company: MTI Services,LLC
Address: 2150 Pansy
City: Pasadena **State:** Texas **Zip:** 77503
Contact: Trey Cherry **Title:** Manager
Phone Number: 713-947-1510 **Fax Number:** 713-947-1529
24/hr Phone Number: 713-947-1510
US EPA ID No:
State ID No: **SIC Code:**

SECTION 2: Billing Information - ☐ **Same as Above**

Company: MTI Services,LLC
Address: 2150 Pansy
City: Pasadena **State:** Texas **Zip:** 77503
Contact: Rick Russell **Title:**
Phone Number: 713-947-1510 **Fax Number:** 713-947-1529

SECTION 3: General Description of the Waste

Name of Waste: RCRA empty containers
Detailed Description of Process Generating Waste:

RCRA empty containiers

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☑ Solid ☐ Filter Cake ☐ Combination

Color: Varies **Odor:** none

Specific Gravity (water=1): na **Density:** na lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No
Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☑ Monthly ☐ Yearly ☐ One-Time
Quantity: 10

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: Recycle

Proper US DOT Shipping Name: Non RCRA Non DOT regulated material
Class: na **UN/NA:** na **PG:** na **RQ:** na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
na		neutral		0	mg/l	0	mg/l	100	%
Oil & Grease		**TOC**		**Zinc**		**Copper**		**Nickel**	
<1500	mg/l	na	mg/l	na	mg/l	na	mg/l	na	mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
RCRCA empty containers	100	%

SECTION 5: Safety Related Data
If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	x
TCLP Volatiles:	x
TCLP Semi-Volatiles:	x
Reactivity:	x
Corrosivity:	x
Ignitability:	x

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory*: *Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory*: *Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory*: *Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Trey Cheary **Date:** 1-22-09

Printed Name/Title: Trey Cheary/ Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:
Date: 1-30-09 ☑ Approved ☐ Rejected
Approval Number: HOV-31168

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$45/Drum $175/Tote

2. Contamination Limit (maximum limit before surchages apply):

No free liquids

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Recycle drum

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

Drum Recycling

3169
NuStar

EPAHO104002173

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/30/2009**

Dear **Michael Jaskowiak/Angela Brown**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3169

Expiration Date 1/30/2011

Generator: NuStar Terminals Partner TX L.P.
Address: 201 Main Dock Road
Texas City, TX 77592

Waste Information

Name of Waste: VGO water
TCEQ Waste Code #: 00661021
Container Type:
Detailed Description of Process Generating Waste:
washing out of storage tanks
Color: varies **Odor:** mild **pH:** 4-10
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC/mm

GP

CES Environmental Services, Inc.
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company:	NuStar Terminals Partners TX L.P.				
Address:	Texas City Terminal #1., 201 Main Dock Road, P. O. Box 3608				
City:	Texas City	**State:**	TX	**Zip:**	77592
Contact:	Bob Hill		**Title:**	HSE Specialist	
Phone Number:	409-948-8254		**Fax Number:**	409-948-4460	
24/hr Phone Number:	281-750-1486				
US EPA ID No:	TXD096036561				
State ID No:	31060		**SIC Code:**	5171	

SECTION 2: Billing Information - ☐ **Same as Above**

Company:	Rineco				
Address:	PO Box 729 - Haskell				
City:	Benton	**State:**	AR	**Zip:**	72118
Contact:	Douglas Highsmith		**Title:**	Non-Fuels Chemist	
Phone Number:	800-377-4692		**Fax Number:**	501-778-8505	

SECTION 3: General Description of the Waste

Name of Waste: VGO Water

Detailed Description of Process Generating Waste:

washing out of storage tanks

Physical State: ☑ **Liquid** ☐ **Sludge** ☐ **Powder**
☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: varies **Odor:** mild

Specific Gravity (water=1): 1 **Density:** 8 **lbs/gal**

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No

Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ **Single-phase** ☑ **Multi-phase**

Container Type: ☐ **Drum** ☐ **Tote** ☑ **Truck** ☐ **Other (explain)**

Frequency: ☐ **Weekly** ☐ **Monthly** ☑ **Yearly** ☐ **One-Time**

Quantity: 3 tankers

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No
If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: 00661021

Proper US DOT Shipping Name: Non RCRA / Non DOT Regulated Material
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
> 140	4-10	NA mg/l	NA mg/l	5 %
Oil & Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1000 mg/l	7000 mg/l	0.077 mg/l	0.002 mg/l	0.234 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Water	95	%
Map Gas Oil, Hydrodesulfurized Vacuum Light, cas#64742-87-6	0-5	%
Paraffin Oil	1-5	%
Propylene Glycol	1-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☑ YES ☐ NO
If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

***Metals Subcategory*: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

***Oils Subcategory*: Subpart B**

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☑ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

***Organics Subcategory*: Subpart C**

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☑ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 1/19/2009

Printed Name/Title: Douglas Highsmith/Non-Fuels Chemist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____
Date: 1-30-09 ☑ Approved ☐ Rejected
Approval Number: 3169

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$70.00/hr freight (most likely brought to us by outside trans)
$0.30/gallon disposal

2. Contamination Limit (maximum limit before surchages apply):

TOC - 20,000
Solids 2% (before treat)

3. Surcharge Pricing:

TOC: $0.03/gallon/5000 TOC greater than 20,000
Solids: $0.01/gallon/% greater than 2%

4. Special Testing Requirements:

TOC, Solids (before treat), phenol, metals,

5. Treatment and Handling Protocol:

Pump water phase only through filter screen, then wastewater treat, Solids will go to Class 1 box, Oil phase to be mixed w/ black oils - the whole tank treated will need to go to the press.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☑ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

Chlor-d-tect (may be high due to salt water in stream)

8. Management for Product Recovered/Recycled (if applicable)

Recycle oil in black oils

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

TOX
$0.30/gal
2%
20,000

To: Dana Carter
Cc: Matt Bowman, Gary Peterson, Prabhaker, Joe Camp, Clint Hopkins

Date: 1/28/09

From: Miles Root

Lab Memo: 09-010

Subject: **Rineco-NuStar Terminals- Evaluation 0109-59**

A sample of waste water from Rineco, generated by NuStar Terminals, has been evaluated for potential processing at CES. This sample is evaluation 0109-59 and is oily water generated from the washout of storage tanks last containing VGO (vacuum gas oil). The potential volume of this source is three tankers per year. Overall, we can recycle the oil, process the water and move the paraffins into a sludge box.

This material has water and oil phases with chunks of wax interspersed throughout. The entire load will most likely need to be filtered. Pumping through a filter screen may be the best bet as a regular sock filter will plug quickly. The wax or paraffins can be disposed of in a sludge box. I estimate the oil in this sample to be no more than 10%.

The water does treat but produces around 40% solids. The solids that are formed do not readily phase out. Given enough time, the solids will phase separate out, so only the solids will need to go through the filter press and not the entire load. The treated water has acceptable metals, no phenols and a TOC of 6749 ppm. A chlor-d-tect on the oil shows 2000 ppm, so we will need a rebuttal to accept this oil. (failed due to salt water)

This will not be an easy stream to recyle and the paraffins will need disposal. The entire load may need filtration to remove the paraffins as they do not separate out in this mix. We need to take these issues into account when pricing. The table below summarizes the analytical testing.

Rineco - NuStar Terminals	
Evaluation 0109-59	
Solids, vol%	0
pH	7
Phenols, ppm	0
TOC, mg/L	6,749
Oil, vol%	10
Treatability	40% solids
Metals, ppm	
Ni	0.234
Zn	0.077
Cu	0.062
Cd	0.043
Cr	0.000

3170
Goodman

EPAHO104002182

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **2/2/2009**

Dear **Brandi Weynes**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3170

Expiration Date 2/2/2011

Generator: Goodman Manufacturing (Furnace Plant)
Address: 3300 West 11th Street
Houston, TX 77008

Waste Information

Name of Waste: Universal Light Bulbs
TCEQ Waste Code #: Recycle
Container Type: boxes
Detailed Description of Process Generating Waste:
removal of old light bulbs
Color: white **Odor:** none **pH:** na
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company :	Goodman Manufacturing (Furnace Plant)		
Address :	3300 West 11th Street		
City, State, Zip :	Houston TX 77008		
Contact :	Brandi Weynes	**Title :**	
Phone No :	(713) 263-5594	**Fax :**	(713) 586-8031
24 / HR Phone :	Kerry		
U.S EPA I.D No :	N/A		
State I.D :	84122	**SIC Code**	N/A

SECTION 2: Billing Information

Company :	Goodman Manufacturing (Furnace Plant)		
Address :	3300 West 11th Street PO BOX 573958		
City, State, Zip :	Houston TX 77008		
Contact :	Brandi Weynes	**Title :**	
Phone No :	(713) 263-5594	**Fax :**	(713) 586-8031

SECTION 3: General Description of the Waste

Name of Waste : Universal Light Bulbs

Detailed Description of the Process Generating Waste:

Removal of old light bulbs

Physical State : ☒ Liquid ☐ Sludge ☐ Powder ☑ Solid ☐ Filter Cake ☐ Combination

Color : White **Odor :** None

Specific Gravity (Water=1) : NA **Density :** NA lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☑ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Light bulb boxes

Container Size : 4'48' boxes

Number Of Units : 7

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

EPAHO104002184

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non DOT regulated light bulbs

Class : NA **UN/NA :** NA **PG :** NA **RQ :** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	NA	NA mg/l	NA mg/l	100 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
NA mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
Light bulbs	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : NA
TCLP Volatiles : NA
TCLP Semi-Volatiles : NA
Reactivity : NA

EPAHO104002185

Corrosivity : NA

Ignitability : NA

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☑ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Matals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcatego

☐ Oils Subcatego

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : Kerry L. Holmes **Date :** 2/2/09

Printed Name / Title : Kerry L. Holmes EH&S Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 2-2-09 **Status :** Approved Rejected

Approval Number :

Process Facility Information :

$1.50/ft
Env. Light Recycles

3171
Phase Engg

EPAHO104002188

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **2/2/2009**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3171

Expiration Date 2/2/2011

Generator: Phase Engineering
Address: 335 West 21 Street
Houston, TX 77008

Waste Information

Name of Waste: NHNI - IDW soil borings
TCEQ Waste Code #: CESQ3191
Container Type:
Detailed Description of Process Generating Waste:
Waste derived from site investigation activities of a former gas station
Color: brown - soil **Odor:** none **pH:** neutal
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DPP

Solids to landfill

DB/MM

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Phase Engineering		
Address:	335 West 21st Street		
City, State, Zip:	Houston, TX 77008		
Contact:	Ross Phase	**Title:**	
Phone No:	281-476-9844	**Fax No:**	
24/hr Phone:	832-443-6625		
U.S. EPA I.D. No:	NA		
State I.D.	NA	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	CKG Services (Conroe)		
Address:	10707 Honea Egypt		
City, State, Zip:	Montgomery, TX 77316		
Contact:	Zac McKaughan	**Title:**	Owner
Phone No:	(936) 447-3628	**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: NHNI - IDW Soil Borings
Detailed Description of Process Generating Waste: Waste derived from site investigation acitivities of an former gas station.

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: Brown - Soil **Odor:** None

Specific Gravity (water=1): NA **Density:** NA lbs/gal

Does this material contain any total phenolic compounds? ☐ **Yes** ☒ **No**

Does this material contain any para substituted phenolic compounds? ☐ **Yes** ☒ **No**

Layers: ☒ **Single-phase** ☐ **Multi-phase**

Container Type:	☒	**Drum**	☒	**Tote**	☐ **Truck**	☐	**Other (explain)**
Container Size:		55 gal		275 gal			

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☐ **Yearly**

Number of Units (containers): 7 **Other:** One Time

Texas State Waste Code No: ~~NA~~ CESQ3191

Proper U.S. DOT Shipping Name: Non-Hazardous

Class: 7 NA **UN/NA:** NA **PG:** NA **RQ:** NA

EPAHO104002190

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	neutral	NA mg/l	NA mg/l	99-100%

Oil&Grease	TOC	Zinc	Copper	Nickel
7160 mg/l	71600 mg/l	NA mg/l	NA mg/l	NA mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Soil	98-100	%
Debris	0-1	%
Moisture	0-1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
NA

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
NA

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 1/21/09

Printed Name/Title: Ross Disterhoft / Project Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 2-2-09 (Approved) Rejected

Approval Number: 3171

EPAHO104002191

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO104002192

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO104002193

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. **Base Pricing (including freight):**

$40/dm

2. **Contamination Limits (maximum limit before surcharges apply):**

N/A

3. **Surcharge Pricing:**

4. **Special Testing Requirements:**

make Sure Compliant w/profile

5. **Treatment and Handling Protocol:**

Class 1 solid to landf.'l

6. **Treated Wastewater Discharge Subcategory:**

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

EPAHO104002194

7. **Tests for Product Recovered/Recycled (if applicable):**

N A

8. **Management for Product Recovered/Recycled (if applicable):**

N A

LABORATORY ANALYSIS REPORT

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd., Suite A-2
The Woodlands TX. 77380
Ph: 281-367-0065 Fax: 281-367-6772

Report Date: January 20, 2009

KAP Lab Episode No: ***3272***

Customer Project Information/Analytical Requirements			
Client Project Name:	**Broaddus**	***Client Project Number:***	**2812003**

Reported To:

PHASE ENGINEERING, INC.
335 West 21st Street
Houston, TX 77008

Project Manager: Mr. Ross Doctoroff
E-Mail Address: ross@PhaseEngineering.com

KAP TECHNOLOGIES, Inc. has analyzed the following samples as indicated on the attached Chain-of-Custody:

	Client Sample Identification	Matrix	Sampling		KAP Lab ID:	Analysis
			Date	Time		
1	SB1-2'	Soil	1/8/2009	--	3272-01	BTEX/MtBE, TPH
2	SB1-15'	Soil	1/8/2009	--	3272-02	BTEX/MtBE, TPH
3	SB2-2'	Soil	1/8/2009	--	3272-03	BTEX/MtBE, TPH
4	SB2-15'	Soil	1/8/2009	--	3272-04	BTEX/MtBE, TPH
5	SB3-2'	Soil	1/8/2009	--	3272-05	BTEX/MtBE, TPH
6	SB3-15'	Soil	1/8/2009	--	3272-06	BTEX/MtBE, TPH
7	SB4-2'	Soil	1/8/2009	--	3272-07	BTEX/MtBE, TPH
8	SB4-15'	Soil	1/8/2009	--	3272-08	BTEX/MtBE, TPH
9	MW-1	Water	1/8/2009	--	3272-09	BTEX/MtBE, TPH
10	MW-2	Water	1/8/2009	--	3272-10	BTEX/MtBE, TPH
11	MW-3	Water	1/8/2009	--	3272-11	BTEX/MtBE, TPH
12	MW-4	Water	1/8/2009	--	3272-12	BTEX/MtBE, TPH
13						
14						
15						
16						
17						
18						
19						
20						

Analytical Data/Report Approved by: M.A. Bellows

Meagan A. Bellows
Sr. Chemist

EPAHO104002196

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd, Suite A-2
The Woodlands TX. 77380
Ph: 281.367.0065 Fax: 281.367.6772

Laboratory Analysis Report
Quality Control Data - Soil Blank
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	: ---	CLIENT SAMPLE ID	: ---
PROJECT MANAGER	: ---	LAB SAMPLE ID	:VBLK31
PROJECT NAME	: ---	SAMPLE MATRIX	: Soil
PROJECT NUMBER	: ---	DATE SAMPLED	: ---
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	: ---
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/17/2009
INSTRUMENT FILE	:B20668	TIME ANALYZED	:20:08
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	0

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	2.87	5.0	<2.87	ug/Kg	U
Benzene	2.27	2.27	5.0	<2.27	ug/Kg	U
Toluene	2.96	2.96	5.0	<2.96	ug/Kg	U
Ethyl Benzene	2.34	2.34	5.0	<2.34	ug/Kg	U
Xylenes, Total	6.98	6.98	15	<6.98	ug/Kg	U

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**94**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**95**	80-126	
Toluene-d8	50 mg/kg	**102**	81-124	
4-Bromofluorobenzene	50 mg/kg	**96**	74-123	

EPAHO104002197

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd, Suite A-2
The Woodlands TX. 77380
Ph: 281.367.0065 Fax: 281.367.6772

Laboratory Analysis Report
Quality Control Data - Soil LCS
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	: ---	CLIENT SAMPLE ID	: ---
PROJECT MANAGER	: ---	LAB SAMPLE ID	:VLCS31
PROJECT NAME	: ---	SAMPLE MATRIX	:Soil
PROJECT NUMBER	: ---	DATE SAMPLED	: ---
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	: ---
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/17/2009
INSTRUMENT FILE	:B20669	TIME ANALYZED	:20:49
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	0

Analyte	LCS Spike Amount	LCS Found Value	LCS %Recovery	LCS QC Limits	UNITS	Qualifier
Methyl tert-butyl ether	50	42.4	85	70-130	ug/Kg	
Benzene	50	53.0	106	70-130	ug/Kg	
Toluene	50	53.5	107	70-130	ug/Kg	
Ethyl Benzene	50	56.3	113	70-130	ug/Kg	
Xylenes, Total	150	171	114	70-130	ug/Kg	

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**94**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**83**	80-126	
Toluene-d8	50 mg/kg	**100**	81-124	
4-Bromofluorobenzene	50 mg/kg	**99**	74-123	

EPAHO104002198

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd, Suite A-2
The Woodlands TX. 77380
Ph: 281.367.0065 Fax: 281.367.6772

Laboratory Analysis Report
Quality Control Data - Soil Blank
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	: ---	CLIENT SAMPLE ID	: ---
PROJECT MANAGER	: ---	LAB SAMPLE ID	:VBLK35
PROJECT NAME	: ---	SAMPLE MATRIX	: Soil
PROJECT NUMBER	: ---	DATE SAMPLED	: ---
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	: ---
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/18/2009
INSTRUMENT FILE	:B20709	TIME ANALYZED	:21:45
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	0

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	2.87	5.0	<2.87	ug/Kg	U
Benzene	2.27	2.27	5.0	<2.27	ug/Kg	U
Toluene	2.96	2.96	5.0	<2.96	ug/Kg	U
Ethyl Benzene	2.34	2.34	5.0	<2.34	ug/Kg	U
Xylenes, Total	6.98	6.98	15	<6.98	ug/Kg	U

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**95**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**95**	80-126	
Toluene-d8	50 mg/kg	**103**	81-124	
4-Bromofluorobenzene	50 mg/kg	**91**	74-123	

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd, Suite A-2
The Woodlands TX. 77380
Ph: 281.367.0065 Fax: 281.367.6772

Laboratory Analysis Report
Quality Control Data - Soil LCS
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	: ---	CLIENT SAMPLE ID	: ---
PROJECT MANAGER	: ---	LAB SAMPLE ID	:VLCS35
PROJECT NAME	: ---	SAMPLE MATRIX	:Soil
PROJECT NUMBER	: ---	DATE SAMPLED	: ---
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	: ---
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/18/2009
INSTRUMENT FILE	:B20710	TIME ANALYZED	:22:20
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	0

Analyte	LCS Spike Amount	LCS Found Value	LCS %Recovery	LCS QC Limits	UNITS	Qualifier
Methyl tert-butyl ether	50	48.3	97	70-130	ug/Kg	
Benzene	50	54.3	109	70-130	ug/Kg	
Toluene	50	55.0	110	70-130	ug/Kg	
Ethyl Benzene	50	54.4	109	70-130	ug/Kg	
Xylenes, Total	150	165	110	70-130	ug/Kg	

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**96**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**88**	80-126	
Toluene-d8	50 mg/kg	**98**	81-124	
4-Bromofluorobenzene	50 mg/kg	**97**	74-123	

EPAHO104002200

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd, Suite A-2
The Woodlands TX. 77380
Ph: 281.367.0065 Fax: 281.367.6772

Laboratory Analysis Report
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	:**Phase Engineering, Inc.**	CLIENT SAMPLE ID	:**SB1-2'**
PROJECT MANAGER	:**Ross Doctoroff**	LAB SAMPLE ID	:**3272.01**
PROJECT NAME	:**Broaddus**	SAMPLE MATRIX	:**Soil**
PROJECT NUMBER	:**2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/18/2009
INSTRUMENT FILE	:B20683	TIME ANALYZED	:04:53
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	20

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	3.59	6.25	< 3.59	ug/Kg	U
Benzene	2.27	2.84	6.25	< 2.84	ug/Kg	U
Toluene	2.96	3.70	6.25	< 3.70	ug/Kg	U
Ethyl Benzene	2.34	2.93	6.25	< 2.93	ug/Kg	U
Xylenes, Total	6.98	8.73	18.8	< 8.73	ug/Kg	U

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**93**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**88**	80-126	
Toluene-d8	50 mg/kg	**107**	81-124	
4-Bromofluorobenzene	50 mg/kg	**97**	74-123	

EPAHO104002201

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd, Suite A-2
The Woodlands TX. 77380
Ph: 281.367.0065 Fax: 281.367.6772

Laboratory Analysis Report
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB1-15'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.02**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/18/2009
INSTRUMENT FILE	:B20685	TIME ANALYZED	:06:02
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	34

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	4.35	7.58	46.7	ug/Kg	
Benzene	2.27	3.44	7.58	< 3.44	ug/Kg	U
Toluene	2.96	4.48	7.58	26.8	ug/Kg	
Ethyl Benzene	2.34	3.55	7.58	8.65	ug/Kg	
Xylenes, Total	6.98	10.6	22.7	17.5	ug/Kg	J

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**107**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**113**	80-126	
Toluene-d8	50 mg/kg	**124**	81-124	
4-Bromofluorobenzene	50 mg/kg	**84**	74-123	

EPAHO104002202

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd, Suite A-2
The Woodlands TX. 77380
Ph: 281.367.0065 Fax: 281.367.6772

Laboratory Analysis Report
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB2-2'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.03**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/18/2009
INSTRUMENT FILE	:B20712	TIME ANALYZED	:23:29
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	32

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	4.22	7.35	12.7	ug/Kg	
Benzene	2.27	3.34	7.35	< 3.34	ug/Kg	U
Toluene	2.96	4.35	7.35	< 4.35	ug/Kg	U
Ethyl Benzene	2.34	3.44	7.35	< 3.44	ug/Kg	U
Xylenes, Total	6.98	10.3	22.1	< 10.3	ug/Kg	U

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**123**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**120**	80-126	
Toluene-d8	50 mg/kg	**97**	81-124	
4-Bromofluorobenzene	50 mg/kg	**78**	74-123	

EPAHO104002203

KAP TECHNOLOGIES, Inc.
9391 Grogans Mill Rd, Suite A-2
The Woodlands TX. 77380
Ph: 281.367.0065 Fax: 281.367.6772

Laboratory Analysis Report
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB2-15'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.04**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:B20715	TIME ANALYZED	:01:15
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	43

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	5.04	8.77	73.8	ug/Kg	
Benzene	2.27	3.98	8.77	< 3.98	ug/Kg	U
Toluene	2.96	5.19	8.77	11.2	ug/Kg	
Ethyl Benzene	2.34	4.11	8.77	34.6	ug/Kg	
Xylenes, Total	6.98	12.2	26.3	103	ug/Kg	

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**98**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**103**	80-126	
Toluene-d8	50 mg/kg	**118**	81-124	
4-Bromofluorobenzene	50 mg/kg	**97**	74-123	

EPAHO104002204

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Laboratory Analysis Report
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	:**Phase Engineering, Inc.**	CLIENT SAMPLE ID	:**SB3-2'**
PROJECT MANAGER	:**Ross Doctoroff**	LAB SAMPLE ID	:**3272.05**
PROJECT NAME	:**Broaddus**	SAMPLE MATRIX	:**Soil**
PROJECT NUMBER	:**2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:B20716	TIME ANALYZED	:01:50
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	38

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	4.63	8.06	< 4.63	ug/Kg	U
Benzene	2.27	3.66	8.06	< 3.66	ug/Kg	U
Toluene	2.96	4.77	8.06	5.02	ug/Kg	J
Ethyl Benzene	2.34	3.77	8.06	< 3.77	ug/Kg	U
Xylenes, Total	6.98	11.3	24.2	< 11.3	ug/Kg	U

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**89**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**90**	80-126	
Toluene-d8	50 mg/kg	**104**	81-124	
4-Bromofluorobenzene	50 mg/kg	**101**	74-123	

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Laboratory Analysis Report
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB3-15'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.06**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:B20717	TIME ANALYZED	:02:24
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	20

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	3.59	6.25	< 3.59	ug/Kg	U
Benzene	2.27	2.84	6.25	< 2.84	ug/Kg	U
Toluene	2.96	3.70	6.25	< 3.70	ug/Kg	U
Ethyl Benzene	2.34	2.93	6.25	< 2.93	ug/Kg	U
Xylenes, Total	6.98	8.73	18.8	< 8.73	ug/Kg	U

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**89**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**97**	80-126	
Toluene-d8	50 mg/kg	**102**	81-124	
4-Bromofluorobenzene	50 mg/kg	**92**	74-123	

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Laboratory Analysis Report
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB4-2'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.07**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:B20718	TIME ANALYZED	:03:00
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	18

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	3.50	6.10	< 3.50	ug/Kg	U
Benzene	2.27	2.77	6.10	< 2.77	ug/Kg	U
Toluene	2.96	3.61	6.10	6.99	ug/Kg	
Ethyl Benzene	2.34	2.85	6.10	< 2.85	ug/Kg	U
Xylenes, Total	6.98	8.51	18.3	< 8.51	ug/Kg	U

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	**89**	83-125	
1,2-Dichloroethane-d4	50 mg/kg	**83**	80-126	
Toluene-d8	50 mg/kg	**117**	81-124	
4-Bromofluorobenzene	50 mg/kg	**78**	74-123	

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Laboratory Analysis Report
BTEX/MTBE - SW846/8260B

BTEX/MTBE ORGANIC COMPOUNDS			
CLIENT NAME	:Phase Engineering, Inc.	CLIENT SAMPLE ID	:SB4-15'
PROJECT MANAGER	:Ross Doctoroff	LAB SAMPLE ID	:3272.08
PROJECT NAME	:Broaddus	SAMPLE MATRIX	:Soil
PROJECT NUMBER	:2812003	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:SW846-8260B	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:B5973	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:B20719	TIME ANALYZED	:03:35
PURGE VOLUME	:5 g	ANALYST	:SB
DILUTION	:1	PERCENT MOISTURE	43

Analyte	MDL	SQL	MQL	Results	Units	Qualifier
Methyl tert-butyl ether	2.87	5.04	8.77	< 5.04	ug/Kg	U
Benzene	2.27	3.98	8.77	50.8	ug/Kg	
Toluene	2.96	5.19	8.77	7.60	ug/Kg	J
Ethyl Benzene	2.34	4.11	8.77	439	ug/Kg	
Xylenes, Total	6.98	12.2	26.3	867	ug/Kg	

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Recovery	QC Limits	Qualifier
Dibromofluoromethane	50 mg/kg	97	83-125	
1,2-Dichloroethane-d4	50 mg/kg	96	80-126	
Toluene-d8	50 mg/kg	116	81-124	
4-Bromofluorobenzene	50 mg/kg	89	74-123	

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Laboratory Analysis Report
Quality Control Data - Soil Blank
TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	: ----	CLIENT SAMPLE ID	: ----
PROJECT MANAGER	: ----	LAB SAMPLE ID	:TPHBLK16
PROJECT NAME	: ----	SAMPLE MATRIX	:Soil
PROJECT NUMBER	: ----	DATE SAMPLED	: ----
METHOD REFERENCE	:TX 1005	DATE RECEIVED	: ----
INSTRUMENT ID	:A5980	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9709	TIME ANALYZED	:13:27
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	0

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	4.98	20.0	< 4.98	mg/Kg	U
>C_{12} - C_{28}	5.61	5.61	20.0	< 5.61	mg/Kg	U
>C_{28} - C_{35}	11.2	11.2	50.0	< 11.2	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	111	70-130
O-Terphenyl	250 mg/Kg	110	70-130

EPAHO104002209

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Laboratory Analysis Report
Quality Control Data - LCS/D-Soil
TPH(TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	: ---	CLIENT SAMPLE ID	: ---
PROJECT MANAGER	: ---	LAB SAMPLE ID	:TPHLCS16
PROJECT NAME	: ---	SAMPLE MATRIX	:Soil
PROJECT NUMBER	: ---	DATE SAMPLED	: ---
METHOD REFERENCE	:TX1005	DATE RECEIVED	: ---
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9710	TIME ANALYZED	:14:13
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1		

Hydrocarbon Range	Units	LCS True Value	LCS Found Value	LCSD Found Value	LCS %Recovery	LCSD %Recovery	QC Limits LCS/D	RPD %	QC Limits RPD
C_6 - C_{12}	mg/Kg	250	269	---	108	---	75-125	---	25
>C_{12} - C_{28}	mg/Kg	250	285	---	114	---	75-125	---	25
>C_{28} - C_{35}	mg/Kg	500	444	---	89	---	75-125	---	25

* Indicate Values outside of QC limits

RPD	:	0	out of	3	outside limits
Spike Recovery	:	0	out of	3	outside limits

QUALITY CONTROL DATA			
Surrogate Compounds	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**107**	70-130
O-Terphenyl	250 mg/Kg	**99**	70-130

EPAHO104002210

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Laboratory Analysis Report

TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB1-2'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.01**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9711	TIME ANALYZED	:15:02
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	20

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	6.23	25.0	< 6.23	mg/Kg	U
$>C_{12}$ - C_{28}	5.61	7.01	25.0	< 7.01	mg/Kg	U
$>C_{28}$ - C_{35}	11.2	14.0	62.5	< 14.0	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**116**	70-130
O-Terphenyl	250 mg/Kg	**111**	70-130

EPAHO104002211

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Laboratory Analysis Report

TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB1-15'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.02**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9712	TIME ANALYZED	:15:51
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	34

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	7.55	30.3	< 7.55	mg/Kg	U
$>C_{12}$ - C_{28}	5.61	8.50	30.3	< 8.50	mg/Kg	U
$>C_{28}$ - C_{35}	11.2	17.0	75.8	< 17.0	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**92**	70-130
O-Terphenyl	250 mg/Kg	**84**	70-130

EPAHO104002212

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Laboratory Analysis Report

TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB2-2'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.03**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9713	TIME ANALYZED	:16:38
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	32

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	7.32	29.4	< 7.32	mg/Kg	U
$>C_{12}$ - C_{28}	5.61	8.25	29.4	< 8.25	mg/Kg	U
$>C_{28}$ - C_{35}	11.2	16.5	73.5	< 16.5	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**104**	70-130
O-Terphenyl	250 mg/Kg	**98**	70-130

EPAHO104002213

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Laboratory Analysis Report

TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB2-15'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.04**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9714	TIME ANALYZED	:17:24
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	43

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	8.74	35.1	< 8.74	mg/Kg	U
$>C_{12}$ - C_{28}	5.61	9.84	35.1	< 9.84	mg/Kg	U
$>C_{28}$ - C_{35}	11.2	19.7	87.7	< 19.7	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**110**	70-130
O-Terphenyl	250 mg/Kg	**103**	70-130

EPAHO104002214

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Laboratory Analysis Report

TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB3-2'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.05**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9715	TIME ANALYZED	:18:11
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	38

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	8.03	32.3	< 8.03	mg/Kg	U
>C_{12} - C_{28}	5.61	9.05	32.3	< 9.05	mg/Kg	U
>C_{28} - C_{35}	11.2	18.1	80.6	< 18.1	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**121**	70-130
O-Terphenyl	250 mg/Kg	**117**	70-130

EPAHO104002215

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Laboratory Analysis Report

TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB3-15'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.06**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9716	TIME ANALYZED	:19:01
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	20

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	6.23	25.0	< 6.23	mg/Kg	U
$>C_{12}$ - C_{28}	5.61	7.01	25.0	< 7.01	mg/Kg	U
$>C_{28}$ - C_{35}	11.2	14.0	62.5	< 14.0	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**97**	70-130
O-Terphenyl	250 mg/Kg	**95**	70-130

EPAHO104002216

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Laboratory Analysis Report

TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB4-2'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.07**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9717	TIME ANALYZED	:19:47
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	18

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	6.07	24.4	< 6.07	mg/Kg	U
$>C_{12}$ - C_{28}	5.61	6.84	24.4	< 6.84	mg/Kg	U
$>C_{28}$ - C_{35}	11.2	13.7	61.0	< 13.7	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**104**	70-130
O-Terphenyl	250 mg/Kg	**100**	70-130

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Laboratory Analysis Report

TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005)			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB4-15'**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.08**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9720	TIME ANALYZED	:22:09
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1	PERCENT MOISTURE	43

Hydrocarbon Range	MDL	SQL	MQL	Results	Units	Qualifier
C_6 - C_{12}	4.98	8.74	35.1	67.4	mg/Kg	
>C_{12} - C_{28}	5.61	9.84	35.1	< 9.84	mg/Kg	U
>C_{28} - C_{35}	11.2	19.7	87.7	< 19.7	mg/Kg	U

QUALITY CONTROL DATA			
Surrogate Compound	Spike Added	% Recovery	QC Limits
1-Chlorooctane	250 mg/Kg	**105**	70-130
O-Terphenyl	250 mg/Kg	**104**	70-130

EPAHO104002218

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Laboratory Analysis Report
Quality Control Data - MS/MSD
TPH (TX1005)

TOTAL PETROLEUM HYDROCARBONS (TX1005) - MS/MSD SUMMARY			
CLIENT NAME	**:Phase Engineering, Inc.**	CLIENT SAMPLE ID	**:SB4-2' MS/MSD**
PROJECT MANAGER	**:Ross Doctoroff**	LAB SAMPLE ID	**:3272.07 MS/MSD**
PROJECT NAME	**:Broaddus**	SAMPLE MATRIX	**:Soil**
PROJECT NUMBER	**:2812003**	DATE SAMPLED	:01/08/2009
METHOD REFERENCE	:TX 1005	DATE RECEIVED	:01/12/2009
INSTRUMENT ID	:A5890	DATE ANALYZED	:01/19/2009
INSTRUMENT FILE	:A9718 & A9719	TIME ANALYZED	:20:34 & 21:21
EXTRACTION VOLUME	:10 g	ANALYST	:SK
DILUTION	:1		

Hydrocarbon Range	Units	Sample Conc.	Spike Conc.	MS Result	MSD Result	MS %Rec.	MSD %Rec.	QC Limits MS/MSD	RPD %	QC Limits RPD
C_6 - C_{12}	mg/Kg	ND	250	257	257	103	103	75-125	0.2	50
$>C_{12}$ - C_{28}	mg/Kg	ND	250	264	270	106	108	75-125	2.0	50
$>C_{28}$ - C_{35}	mg/Kg	ND	500	456	523	91	105	75-125	14	50

* Indicate Values outside of QC limits

RPD	0	out of	3	outside limits
Spike Recovery	0	out of	6	outside limits

QUALITY CONTROL DATA				
Surrogate Compound	Spike Added	% Rec.for MS	% Rec for MSD	QC Limits
1-Chlorooctane	250 mg/kg	**104**	**100**	70-130
O-Terphenyl	250 mg/kg	**102**	**100**	70-130

3172
Hydrocarbons

EPAHO10400220

7E
8-4-09
T-35
LAB

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **2/3/2009**

Dear **David Sepp**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3172

Expiration Date 2/3/2011

Generator: Hydrocarbons Engineering Processing Inc.
Address: P.O. Box 18722
Natchez, MS 39122

Waste Information

Name of Waste: Oily water emulsion
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Material generated from equipment oil changes
Color: light brown **Odor:** hydrocarbon **pH:** 5-9
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

RUSH! Please! JR GB

CES Environmental Services, Inc.

☑ CES Environmental Services - Houston Facility	☐ CES Environmental Services - Port Arthur Facility
4904 Griggs Road, Houston, TX 77021	2420 S. Gulfway Dr., Port Arthur, TX 77641
Phone (713) 676-1460 Fax: (713) 676-1460	Phone (713) 676-1460 Fax: (713) 676-1460
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900	U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
TCEQ Industrial Solid Waste Permit Number: 30948	

SECTION 1: Generator Information

Company: Hydrocarbon Engineering Processing, Inc.
Address: 12 Lindo Lane
City: Natchez **State:** MS **Zip:** 39120
Contact: Jayne Jackson **Title:**
Phone Number: 601-445-0087 **Fax Number:** 601-445-0819
24/hr Phone Number:
US EPA ID No: N/A
State ID No: N/A **SIC Code:**

SECTION 2: Billing Information - ☐ **Same as Above**

Company: Hydrocarbon Engineering Processing, Inc.
Address: P.O. Box 18722
City: Natchez **State:** MS **Zip:** 39122
Contact: Jayne Jackson **Title:**
Phone Number: 601-445-0087 **Fax Number:** 601-445-0819

SECTION 3: General Description of the Waste

Name of Waste: Oily Water Emulsion
Detailed Description of Process Generating Waste:

Material generated from equipment oil changes.

Physical State: ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Light Brown **Odor:** Hydrocarbon

Specific Gravity (water=1): .95-1 **Density:** 8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No
Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ **Single-phase** ☑ **Multi-phase**

Container Type: ☐ **Drum** ☐ **Tote** ☑ **Truck** ☐ **Other (explain)**

Frequency: ☐ **Weekly** ☑ **Monthly** ☐ **Yearly** ☐ **One-Time**
Quantity: 4

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No

Feb 03 09 02:57p Chuck 601-445-0819 p.1

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☑ D009 ☐ D010 ☐ D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: RECYCLE

Proper US DOT Shipping Name: Non-RCRA, Non-DOT Regulated Material
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>200		5-9		BRL	mg/l	BRL	mg/l	<5	%
Oil & Grease		**TOC**		**Zinc**		**Copper**		**Nickel**	
>1500	mg/l	>1500	mg/l	BRL	mg/l	BRL	mg/l	~~0.1~~	mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Used Oil	60-100	%
Water	0-40	%
		%
		%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. Lab Memo was done by Jay - but cannot locate it - material was approved to bring in.

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	Not Regulated
TCLP Volatiles:	Not Regulated
TCLP Semi-Volatiles:	Not Regulated
Reactivity:	Non-Reactive
Corrosivity:	Non-Corrosive
Ignitability:	>200

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

***Organics Subcategory*: Subpart C**

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 2-3-09

Printed Name/Title: Richard E. Jones, Vice President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer:		
Date: 2-3-09	☑ Approved	☐ Rejected
Approval Number: 3172		

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$.35/gallon up to 10% solids

2. Contamination Limit (maximum limit before surchages apply):

3. Surcharge Pricing:

$.03/gallon every 5% additional solids w/ max of $.55/gallon.

4. Special Testing Requirements:

% oil, water. pH on water, phenols, solids. Flash point & ~~Chlor~~ Cloud test on ~~tox~~ oil

5. Treatment and Handling Protocol:

RECYCLE for oil

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

3159
GATX (Hearne)

EPAHO10400229

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/21/2009**

Dear **Ricardo Salias**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3159

Expiration Date 1/21/2011

Generator: GATX (Hearne)
Address: 1401 W. Brown St.
Hearne, TX 77859

Waste Information

Name of Waste: Non hazardous solid heels
TCEQ Waste Code #: 99324092
Container Type:
Detailed Description of Process Generating Waste:
Removal of heel prior to cleaning RCRA empty rail cars
Color: varies **Odor:** none **pH:** 4-10
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

• Refer to file to find + review the MSDS sheets
• Solids waste
SRP

DC/MM

Based on MSDS's in file, please let me know if you need them.
- Morgan

CES Environmental Services, Inc.

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: GATX Rail (Hearne)
Address: 1401 W. Brown Street
City: Hearne **State:** TX **Zip:** 77859
Contact: Ricardo Salias **Title:**
Phone Number: 979-279-3481 **Fax Number:** 979-279-3020
24/hr Phone Number:
US EPA ID No: TXD000835207
State ID No: 32643 **SIC Code:** NA

SECTION 2: Billing Information - ☐ **Same as Above**

Company: GATX Rail
Address:
City: **State:** **Zip:**
Contact: Ricardo Salias **Title:**
Phone Number: 979-279-3481 **Fax Number:** 979-279-3020

SECTION 3: General Description of the Waste

Name of Waste: Non hazardous Solid heels
Detailed Description of Process Generating Waste:

Removal of heel prior to cleaning RCRA empty rail cars

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☑ Solid ☐ Filter Cake ☐ Combination

Color: varies **Odor:** none

Specific Gravity (water=1): NA ~~11~~ **Density:** NA ~~9~~ lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No

Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain)

Frequency: ☐ Weekly ☑ Monthly ☐ Yearly ☐ One-Time
Quantity: 1

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No

If "Yes", then please list ALL applicable codes: _____

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No

If "Yes", then please list ALL applicable codes: _____

Texas State Waste Code Number: 99324092

Proper US DOT Shipping Name: Non RCRA Non DOT Regulated Solids

Class: na **UN/NA:** na **PG :** na **RQ:** na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>150		4-10		na	mg/l	na	mg/l	100	%
Oil & Grease		**TOC**		**Zinc**		**Copper**		**Nickel**	
<1500	mg/l	>1000	mg/l	0	mg/l	0	mg/l	0	mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
triethylene glycol	0-5	%
sulfer motlen	0-5	%
polyvinyl chloride	0-5	%
Polyurethane elastomer	0-5	%
Huberfill	0-5	%
Coke (blast furnace)	0-5	%
durock brand cement board	0-5	%
fatty acid dark tallow	0-5	%
ammonium sulfate	0-5	%
cement	0-5	%
molasses solids	0-5	%
flour	0-5	%
sugar	0-5	%
tallow	0-5	%
lard	0-5	%
ppe, rags, absorbent	0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory*: *Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory*: *Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory*: *Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 1/7/09

Printed Name/Title: Ricardo Salias - Maintenance Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____
Date: 1-19-09 ☑ Approved ☐ Rejected
Approval Number: 3159

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$35.00/yard

2. Contamination Limit (maximum limit before surchages apply):

None

3. Surcharge Pricing:

None

4. Special Testing Requirements:

na

5. Treatment and Handling Protocol:

Redirect Class 2 waste

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

None

8. Management for Product Recovered/Recycled (if applicable)

None

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/21/2009**

Dear

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3157

Expiration Date 1/21/2011

Generator: Praxair (Deer Park)
Address: 622 Tidal Road
Deer Park, TX 77536

Waste Information

Name of Waste: Spent carbon
TCEQ Waste Code #: 00174041
Container Type:
Detailed Description of Process Generating Waste:
Carbon used to polish wastewater prior to discharge
Color: dark **Odor:** none **pH:** 6-7
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

From: GRP 1-22-09

01/21/2009 11:27 #081 P.002

Solids Class 1

DC/MM

CES Environmental Services, Inc.

☑ CES Environmental Services - Houston Facility	☐ CES Environmental Services - Port Arthur Facility
4904 Griggs Road, Houston, TX 77021	2420 S. Gulfway Dr., Port Arthur, TX 77641
Phone (713) 676-1460 Fax: (713) 676-1460	Phone (713) 676-1460 Fax: (713) 676-1460
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900	U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
TCEQ Industrial Solid Waste Permit Number: 30948	

SECTION 1: Generator Information

Company: Praxair Inc
Address: 622 Tidal Road
City: Deer Park **State:** TX **Zip:** 77536
Contact: Mike Mustion **Title:** S&ES Specialist
Phone Number: 281-478-1968 **Fax Number:** 281-478-1597
24/hr Phone Number:
US EPA ID No: TXD008073421
State ID No: 30296 **SIC Code:** 2813

SECTION 2: Billing Information - ☐ **Same as Above**

Company: Praxair, Inc
Address: P. O. Box 808
City: Tonawanda **State:** NY **Zip:** 14151
Contact: **Title:**
Phone Number: **Fax Number:**

SECTION 3: General Description of the Waste

Name of Waste: Spent Carbon
Detailed Description of Process Generating Waste:

cabon used to polish wastewater prior to discharge

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☑ Solid ☐ Filter Cake ☐ Combination

Color: dark **Odor:** none

Specific Gravity (water=1): NA ~~1.2~~ **Density:** NA ~~9 lbs/gal~~

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No

Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☑ Yearly ☐ One-Time
Quantity: 3000 gallons

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No
If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: 00174041

Proper US DOT Shipping Name: Non RCRA Non DOT Regulated Solids
Class: NA **UN/NA:** NA **PG :** NA **RQ:** NA

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>150		6-7		<25	mg/l	<25	mg/l	100	%
Oil & Grease		**TOC**		**Zinc**		**Copper**		**Nickel**	
<1000	mg/l	NA	mg/l	NA	mg/l	NA	mg/l	NA	mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Spent Carbon	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. Analytical

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:
TCLP Volatiles:
TCLP Semi-Volatiles:
Reactivity:
Corrosivity:
Ignitability:

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO
If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory*: *Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory*: *Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory **: *Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: michael R. Mustain **Date:** 01-21-2009

Printed Name/Title: Safety and Environmental Specialist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]
Date: 1-21-09 ☑ Approved ☐ Rejected
Approval Number: 3157

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$75.00/yard plus freight

2. Contamination Limit (maximum limit before surchages apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

NA

5. Treatment and Handling Protocol:

Redirect toas Class 1 Solids

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA

KAP Technologies, Inc.
9391 Grogans Mill Rd. Ste. A-2
The Woodlands, Tx 77380
Ph: 281/367-0065 Fax: 281/367-6772

Praixair, Inc. (DP)		Report Date:	1/16/2009
P.O. Box 250		Sample #:	090068
Deer Park TX 77536			
		P.O.# 60004106	
Attention: Andy Hill			
Sample Received:	1/9/2009	Date Sampled:	1/9/2009
Sample Matrix:	Solid	Time Sampled:	13:30
Sample Description:	Spent Carbon	Sampled By;	Edgar Aubry

Client: 1065

REPORT OF ANALYSIS

Analysis	Results	Unit	Method	Time	Date	Anyl	Blk	%Dev	%Spike	%Cal
VOLATILES										
1,1-Dichloroethene	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	99%	-
1,2-Dichlorethane	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	97%	-
1,4- Dichlorobenzene	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	105%	-
Benzene	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	104%	-
Carbon Tetrachloride	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	106%	-
Chlorobenzene	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	103%	-
Chloroform	0.034	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	98%	-
Methyl ethyl ketone	<0.01	mg/L	8260B	06:18	1/14/09	SB	<0.010	-	90%	-
Tetrachloroethene	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	102%	-
Trichloroethene	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	103%	-
Vinyl Chloride	<0.005	mg/L	8260B	06:18	1/14/09	SB	<0.005	-	103%	-
Rush	Rush									
Metals Digestion	Digest									

Sandra Cohen
Office Manager

KAP Technologies, Inc.
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Ph: 281/367-0065 Fax: 281/367-6772

Praixair, Inc. (DP)		Report Date:	1/16/2009
P.O. Box 250		Sample #:	090068
Deer Park TX 77536			
		P.O.# 60004106	
Attention: Andy Hill			
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REPORT OF ANALYSIS

Analysis	Results	Unit	Method	Time	Date	Anyl	Blk	%Dev	%Spike	%Cal
BTEX										
Benzene	<0.005	mg/kg	8260	02:51	1/15/09	SB	<0.005	-	109%	-
Toluene	<0.005	mg/kg	8260	02:51	1/15/09	SB	<0.005	-	109%	-
Ethyl Benzene	<0.005	mg/kg	8260	02:51	1/15/09	SB	<0.005	-	112%	-
O-Xylene	<0.005	mg/kg	8260	02:51	1/15/09	SB	<0.005	-	112%	-
m&p Xylene	<0.01	mg/kg	8260	02:51	1/15/09	SB	<0.01	-	114%	-

Sandra Cohen
Office Manager

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Praixair, Inc. (DP)		Report Date:	1/16/2009
P.O. Box	250	Sample #:	090068
Deer Park TX	77536		
		P.O.#	60004106
Attention: Andy Hill			
Sample Received:	1/9/2009	Date Sampled:	1/9/2009
Sample Matrix:	Solid	Time Sampled:	13:30
Sample Description:	Spent Carbon	Sampled By;	Edgar Aubry

REPORT OF ANALYSIS

Analysis	Results	Unit	Method	Time	Date	Anyl	Blk	%Dev	%Spike	%Cal
TCLP Metals										
Antimony	<0.25	mg/L	6010B	14:43	1/13/09	RA	<0.25	-	101%	101%
Arsenic	<0.10	mg/L	6010B	14:43	1/13/09	RA	<0.10	-	101%	103%
Barium	<1.0	mg/L	6010B	14:43	1/13/09	RA	<1.0	-	99%	101%
Beryllium	<0.01	mg/L	6010B	14:43	1/13/09	RA	<0.01	-	102%	106%
Cadmium	<0.05	mg/L	6010B	14:43	1/13/09	RA	<0.05	-	106%	106%
Chromium	<0.50	mg/L	6010B	14:43	1/13/09	RA	<0.50	-	97%	98%
Lead	0.324	mg/L	6010B	14:43	1/13/09	RA	<0.20	-	101%	103%
Nickel	<1.0	mg/L	6010B	14:43	1/13/09	RA	<1.0	-	100%	102%
Selenium	<0.10	mg/L	6010B	14:43	1/13/09	RA	<0.10	-	100%	102%
Silver	<0.50	mg/L	6010B	14:43	1/13/09	RA	<0.50	-	89%	100%
Mercury	<0.05	mg/L	245.1	16:20	1/13/09	RA	<0.05	-	117%	94%
Extraction	Extract									
Metals Digestion	Digest									
Rush	Rush									

Sandra Cohen
Office Manager

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Praixair, Inc. (DP)
P.O. Box 250
Deer Park TX 77536

Attention: Andy Hill

Report Date: 1/16/2009
Sample #: 090068

P.O.# 60004106

Sample Received: 1/9/2009
Sample Matrix: Solid
Sample Description: Spent Carbon

Date Sampled: 1/9/2009
Time Sampled: 13:30
Sampled By; Edgar Aubry

Client: 1065

REPORT OF ANALYSIS

Analysis	Results	Unit	Method	Time	Date	Anyl	Blk	%Dev	%Spike	%Cal
TCLP Herbicides										
2,4-D	<0.50	ug/L	8151	12:48	1/14/09	KVR	<0.50	-	85%	-
2,4,5- (Silvex)	<0.50	ug/L	8151	12:48	1/14/09	KVR	<0.50	-	94%	-
TCLP Pesticides										
Chlordane	<0.05	ug/L	8080	12:29	1/13/09	KVR	<0.05	-	89%	-
Endrin	<0.05	ug/L	8080	12:29	1/13/09	KVR	<0.05	-	70%	-
Heptachlor	<0.05	ug/L	8080	12:29	1/13/09	KVR	<0.05	-	94%	-
Heptachlor Epoxide	<0.05	ug/L	8080	12:29	1/13/09	KVR	<0.05	-	90%	-
Lindane	<0.05	ug/L	8080	12:29	1/13/09	KVR	<0.05	-	89%	-
Methoxychlor	1.05	ug/L	8080	12:29	1/13/09	KVR	1.05	-	72%	-
Toxaphene	<0.5	ug/L	8080	12:29	1/13/09	KVR	<0.5	-	-	-

Sandra Cohen
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P.O. Box 250		Sample #:	090068
Deer Park TX 77536			
		P.O.# 60004106	
Attention: Andy Hill			
Sample Received:	1/9/2009	Date Sampled:	1/9/2009
Sample Matrix:	Solid	Time Sampled:	13:30
Sample Description:	Spent Carbon	Sampled By;	Edgar Aubry

REPORT OF ANALYSIS

Analysis	Results	Unit	Method	Time	Date	Anyl	Blk	%Dev	%Spike	%Cal
RCI										
Ignitibility	>150	F	1020	8:00	1/13/09	SG	>150	-	-	102%
Corrosivity(PH)	6.67	SU	8045	9:00	1/13/09	RK	-	-	-	-
Cyanide, Reactivity	<25	mg/kg	9010	9:30	1/13/09	KS	<25	-	-	80%
Sulfide, Reactivity	<25	mg/kg	9030	9:00	1/13/09	KS	<25	-	-	42%

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Praixair, Inc. (DP)	Report Date: 1/16/2009
P.O. Box 250	Sample #: 090068
Deer Park TX 77536	
	P.O.# 60004106
Attention: Andy Hill	
Sample Received: 1/9/2009	Date Sampled: 1/9/2009
Sample Matrix: Solid	Time Sampled: 13:30
Sample Description: Spent Carbon	Sampled By; Edgar Aubry

REPORT OF ANALYSIS

Analysis	Results	Unit	Method	Time	Date	Anyl	Blk	%Dev	%Spike	%Cal
SEMI-VOLATILES										
o'Cresol	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	63%	-
m-Cresol	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	59%	-
p-Cresol	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	59%	-
Cresol	<0.15	mg/L	8270C	11:04	1/13/09	SK	<0.15	-	-	-
2,4-Dinitrolouene	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	57%	-
Hexachlorobenzene	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	43%	-
Hexachlorobutadiene	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	71%	-
Hexachloroethane	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	74%	-
Nitrobenzene	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	62%	-
Pentachlorophenol	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	48%	-
Pyridine	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	54%	-
2,4,5-Trichlorophenol	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	57%	-
2,4,6-Trichlorophenol	<0.05	mg/L	8270C	11:04	1/13/09	SK	<0.05	-	64%	-
Rush	Rush									

Sandra Cohen
Office Manager

3160
Noltex

EPAHO104002250

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/21/2009**

Dear **Control Room**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3160

Expiration Date 1/21/2011

Generator: Noltex
Address: 12220 Strang Road (Attn: Randy Boeding)
La Porte, TX 77571

Waste Information

Name of Waste: EVOH paste
TCEQ Waste Code #: 00164032
Container Type:
Detailed Description of Process Generating Waste:
Sludge generated from plastics manufacturing
Color: varies **Odor:** alcohol **pH:** ntrl
Physical State:
Incompatibilities: strong oxidizers
Safety Related Data/Special Handling:
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

NO PFI. (~ 30 pgs. attachments)
1-22-09
SR

JB

CES Environmental Services, Inc.

☑ CES Environmental Services - Houston Facility	☐ CES Environmental Services - Port Arthur Facility
4904 Griggs Road, Houston, TX 77021	2420 S. Gulfway Dr., Port Arthur, TX 77641
Phone (713) 676-1460 Fax: (713) 676-1676	Phone (713) 676-1460 Fax: (713) 676-1460
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900	U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
TCEQ Industrial Solid Waste Permit Number: 30948	

SECTION 1: Generator Information

Company: Noltex
Address: 12220 Strang Road
City: La Porte **State:** TX **Zip:** 77571
Contact: Control Room (Ian Brimble) **Title:** Senior Supervisor - Operations
Phone Number: 281-842-5035 **Fax Number:** 281-842-5095
24/hr Phone Number: 281-842-5035
US EPA ID No: TXR000011106
State ID No: 84348 **SIC Code:** 2821, 2869

SECTION 2: Billing Information - ☑ **Same as Above**

Company:
Address:
City: **State:** **Zip:**
Contact: Kristine Aparicio **Title:** Manager - EHS & S
Phone Number: 281-842-5065 **Fax Number:** 281-842-5097

SECTION 3: General Description of the Waste

Name of Waste: EVOH Paste
Detailed Description of Process Generating Waste:

Sludge generated from plastics manufacturing

Physical State: ☐ Liquid ☑ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: varies **Odor:** alcohol

Specific Gravity (water=1): 0.9 - 1.0 **Density:** 8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No
Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☑ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☑ Monthly ☐ Yearly ☐ One-Time
Quantity: 40 yards

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: 00164032

Proper US DOT Shipping Name: Non RCRA Non DOT Regulated material
Class: na UN/NA: na PG : na RQ: na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
392 F		neutral		0	mg/l	0	mg/l	80	%
Oil & Grease		**TOC**		**Zinc**		**Copper**		**Nickel**	
<1500	mg/l	na	mg/l	na	mg/l	na	mg/l	na	mg/l

SECTION 4: *Physical and Chemical Data*

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
EVOH resin strands, pellets and paste	100	%

SECTION 5: Safety Related Data
If the handling of this waste requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS, Analytical

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

Strong Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	BRL - analysis performed
TCLP Volatiles:	BRL - analysis performed
TCLP Semi-Volatiles:	BRL - analysis performed
Reactivity:	non reactive - process knowledge
Corrosivity:	non corrosive - analysis performed
Ignitability:	non ignitabile - analysis performed

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

***Metals Subcategory*: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

***Oils Subcategory*: Subpart B**

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

***Organics Subcategory*: Subpart C**

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☑ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: K. Kristine Aparicio **Date:** 01-20-09

Printed Name/Title: Kristine Aparicio Manager - EHS & S

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rebecca Blyden
Date: 1-21-09 ☑ Approved ☐ Rejected
Approval Number: 3160

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$20/yard + $450/load trans + fsc

2. Contamination Limit (maximum limit before surchages apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Class 2 Solids.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

REVISED

ANALYTICAL REPORT

JOB NUMBER: 357682
Project ID: 2 FST PASTE 7-21

Prepared For:

Noltex LLC
12220 Strang Road
La Porte, TX 77571-9740

Attention: Joy Snodgrass

Date: 01/20/2009

Neil A. Rodrigue
Signature

1/20/09
Date

Name: Neil A. Rodrigue

Title: Project Manager II

E-Mail: Neil.Rodrigue@testamericainc.com

TestAmerica Laboratories, Inc
6310 Rothway Drive
Houston, TX 77040

PHONE: 713-690-4444

class 2 sld Sludge

EPAHO104002258

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

01/20/2009

Joy Snodgrass
Noltex LLC
12220 Strang Road
La Porte, TX 77571-9740

Reference:
Project : 2 FST PASTE 7-21
Project No. : 357682
Date Received : 07/24/2008
TestAmerica Job : 357682

Dear Joy Snodgrass:

This report is revised to correct the MDLs reported for Method 8270. Enclosed are the analytical results for your project referenced above. The following samples are included in the report.

1. #2 FST PASTE

Enclosed, please find the Quality Control Summary. All quality control results for the QC batch that are applicable to the sample(s) are acceptable except as noted in the QC batch reports.

The test results in this report meet all NELAP requirements for TestAmerica Houston's NELAP accredited parameters. Any exceptions to the NELAP requirements will be flagged accordingly and where applicable, included in a case narrative as a part of this report.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

Thank you for selecting TestAmerica to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

Sincerely,

Neil A. Rodrigue
Project Manager

EPAHO104002259

S A M P L E I N F O R M A T I O N
Date: 01/20/2009

Job Number.: 357682
Customer...: Noltex LLC
Attn.....: Joy Snodgrass

Project Number.....: 99007950
Customer Project ID....: 2 FST PASTE 7-21
Project Description....: Noltex Waste

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
357682-1	#2 FST PASTE	Solid	07/21/2008	14:00	07/24/2008	14:58

EPAHO104002260

LABORATORY TEST RESULTS

Job Number: 357682 Date:01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Customer Sample ID: #2 FST PASTE
Date Sampled.....: 07/21/2008
Time Sampled.....: 14:00
Sample Matrix.....: Solid

Laboratory Sample ID: 357682-1
Date Received.....: 07/24/2008
Time Received.....: 14:58

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SW-846 9045C	Soil pH, Solid	6.67				0.01	1	pH Units	402869		08/01/08 1245	sng
SW-846 1311	TCLP Metals Analysis, Solid	Complete					1		402901		08/01/08 1500	wkc
SW-846 1311	TCLP Semi-Volatiles Analysis, Solid	Complete					1		402901		08/01/08 1500	wkc
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete					1		402902		08/01/08 1500	wkc
SW-846 3550B	Extraction (Ultrasonic) SVOCs Ultrasonic Extraction, Solid	Complete					1		402476		07/25/08 0800	mra
TNRCC TX-1005	TNRCC 1005 Extraction (Ultrasonic) TNRCC 1005 Extraction, Solid	Complete					1		402578		07/29/08 0830	lvp
ASTM D92-85	Flash & Fire Points (Cleveland Open Cup) Ignitability (Flashpoint), Solid	>212					1	degrees F	403540		08/13/08 1330	sur
TNRCC 1005	Direct Analytical TPH Method TX 1005											
	Petroleum Hydrocarbons C6 - C12, Solid	10.61	U		10.61	98.25	1.0000	mg/Kg	402664		07/29/08 1149	kp
	Petroleum Hydrocarbons C12 - C28, Solid	20.688	U		20.688	98.25	1.0000	mg/Kg	402664		07/29/08 1149	kp
	Petroleum Hydrocarbons C28 - C35, Solid	20.688	U		20.688	98.25	1.0000	mg/Kg	402664		07/29/08 1149	kp
	Petroleum Hydrocarbons C6 - C35, Solid	20.688	U		20.688	98.25	1.0000	mg/Kg	402664		07/29/08 1149	kp
	GC Microextraction Technique GC Microextraction, Solid	Complete					1		403557		08/13/08 0900	jps
SW-846 8015B	Method 8015 Non-Halogenated Organics Methanol, Solid	41000			1390	5000	1000	mg/Kg	403556		08/13/08 1437	jps

EPAHO104002261

LABORATORY TEST RESULTS

Job Number: 357682 Date:01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Customer Sample ID: #2 FST PASTE
Date Sampled.....: 07/21/2008
Time Sampled.....: 14:00
Sample Matrix.....: Solid

Laboratory Sample ID: 357682-1
Date Received.....: 07/24/2008
Time Received.....: 14:58

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SW-846 8270C	Semivolatile Organics											
	Acenaphthene, Solid	67.22	U		67.22	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Acenaphthylene, Solid	58.76	U		58.76	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Anthracene, Solid	54.52	U		54.52	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Benzo(a)anthracene, Solid	58.76	U		58.76	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Benzo(b)fluoranthene, Solid	69.08	U		69.08	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Benzo(k)fluoranthene, Solid	84.14	U		84.14	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Benzo(ghi)perylene, Solid	104.8	U		104.8	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Benzo(a)pyrene, Solid	72.56	U		72.56	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Butyl Benzyl Phthalate, Solid	76.22	U		76.22	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	bis(2-chloroethoxy)methane, Solid	76.10	U		76.10	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	bis(2-Chloroethyl)ether, Solid	72.46	U		72.46	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	bis(2-chloroisopropyl)ether, Solid	78.68	U		78.68	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	bis(2-ethylhexyl)phthalate, Solid	58.60	U		58.60	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	4-Bromophenyl Phenyl Ether, Solid	75.58	U		75.58	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	4-Chloroaniline, Solid	110.9	U		110.9	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2-Chloronaphthalene, Solid	58.32	U		58.32	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	4-Chlorophenyl Phenyl Ether, Solid	92.00	U		92.00	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Chrysene, Solid	49.80	U		49.80	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Dibenzo(a,h)anthracene, Solid	61.02	U		61.02	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Dibenzofuran, Solid	60.46	U		60.46	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	1,2-Dichlorobenzene, Solid	45.68	U		45.68	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	1,3-Dichlorobenzene, Solid	48.46	U		48.46	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	1,4-Dichlorobenzene, Solid	45.00	U		45.00	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Diethyl Phthalate, Solid	68.16	U		68.16	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Dimethyl Phthalate, Solid	57.58	U		57.58	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Di-n-butyl Phthalate, Solid	63.48	U		63.48	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Di-n-octyl Phthalate, Solid	54.26	U		54.26	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2,4-Dinitrotoluene, Solid	64.06	U		64.06	660	2.00000	* ug/kg	403366		08/09/08 1426	maz

EPAHO104002262

LABORATORY TEST RESULTS

Job Number: 357682 Date:01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Customer Sample ID: #2 FST PASTE
Date Sampled.....: 07/21/2008
Time Sampled.....: 14:00
Sample Matrix.....: Solid

Laboratory Sample ID: 357682-1
Date Received.....: 07/24/2008
Time Received.....: 14:58

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,6-Dinitrotoluene, Solid	81.20	U		81.20	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Fluoranthene, Solid	68.02	U		68.02	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Fluorene, Solid	74.92	U		74.92	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Hexachlorobenzene, Solid	59.28	U		59.28	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Hexachlorobutadiene, Solid	76.16	U		76.16	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Hexachlorocyclopentadiene, Solid	66.16	U		66.16	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Hexachloroethane, Solid	62.08	U		62.08	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Indeno(1,2,3-cd)pyrene, Solid	110.4	U		110.4	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Isophorone, Solid	33.40	U		33.40	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2-Methylnaphthalene, Solid	51.14	U		51.14	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Naphthalene, Solid	41.08	U		41.08	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Nitrobenzene, Solid	64.40	U		64.40	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	n-Nitrosodi-n-propylamine, Solid	59.58	U		59.58	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	n-Nitrosodiphenylamine, Solid	71.68	U		71.68	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Phenanthrene, Solid	48.34	U		48.34	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Pyrene, Solid	124.0	U		124.0	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	1,2,4-Trichlorobenzene, Solid	50.66	U		50.66	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	4-Chloro-3-methylphenol, Solid	98.50	U		98.50	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2-Chlorophenol, Solid	49.56	U		49.56	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2,4-Dichlorophenol, Solid	77.16	U		77.16	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2,4-Dimethylphenol, Solid	97.10	U		97.10	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2,4-Dinitrophenol, Solid	233.4	U		233.4	3400	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2-Methyl-4,6-dinitrophenol, Solid	238.2	U		238.2	3400	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2-Methylphenol (o-Cresol), Solid	45.42	U		45.42	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	4-Methylphenol (p-Cresol), Solid	63.26	U		63.26	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2-Nitrophenol, Solid	59.28	U		59.28	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	4-Nitrophenol, Solid	279.6	U		279.6	3400	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Pentachlorophenol, Solid	315.6	U		315.6	3400	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Phenol, Solid	69.60	U		69.60	660	2.00000	* ug/kg	403366		08/09/08 1426	maz

EPAHO10400263

LABORATORY TEST RESULTS

Job Number: 357682 Date:01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Customer Sample ID: #2 FST PASTE
Date Sampled.....: 07/21/2008
Time Sampled.....: 14:00
Sample Matrix.....: Solid

Laboratory Sample ID: 357682-1
Date Received.....: 07/24/2008
Time Received.....: 14:58

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,4,5-Trichlorophenol, Solid	102.1	U		102.1	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2,4,6-Trichlorophenol, Solid	109.7	U		109.7	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	2-Nitroaniline, Solid	154.6	U		154.6	3400	2.00000	* ug/kg	403366		08/09/08 1426	maz
	3-Nitroaniline, Solid	244.6	U		244.6	3400	2.00000	* ug/kg	403366		08/09/08 1426	maz
	4-Nitroaniline, Solid	272.0	U		272.0	3400	2.00000	* ug/kg	403366		08/09/08 1426	maz
	Carbazole, Solid	63.22	U		63.22	660	2.00000	* ug/kg	403366		08/09/08 1426	maz
	3,3'-Dichlorobenzidine, Solid	72.18	U		72.18	1300	2.00000	* ug/kg	403366		08/09/08 1426	maz
SW-846 8260B	Volatile Organics											
	Benzene, Solid	2.72	U		2.72	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Bromodichloromethane, Solid	2.92	U		2.92	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Bromoform, Solid	3.86	U		3.86	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Bromomethane, Solid	3.94	U		3.94	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Carbon Tetrachloride, Solid	3.18	U		3.18	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Chlorobenzene, Solid	3.20	U		3.20	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Chloroethane, Solid	4.38	U		4.38	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Chloroform, Solid	1.5	U		1.5	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Chloromethane, Solid	1.3	U		1.3	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Dibromochloromethane, Solid	3.30	U		3.30	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	1,1-Dichloroethane, Solid	3.40	U		3.40	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	1,2-Dichloroethane, Solid	4.86	U		4.86	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	1,1-Dichloroethene, Solid	2.36	U		2.36	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	1,2-Dichloroethene (total), Solid	2.40	U		2.40	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	cis-1,2-Dichloroethene, Solid	2.56	U		2.56	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	trans-1,2-Dichloroethene, Solid	1.7	U		1.7	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	1,2-Dichloropropane, Solid	3.72	U		3.72	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Ethylbenzene, Solid	2.80	U		2.80	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Methylene Chloride, Solid	2.86	U		2.86	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Styrene, Solid	3.20	U		3.20	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl

EPAHO10400226

LABORATORY TEST RESULTS

Job Number: 357682 Date:01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Customer Sample ID: #2 FST PASTE
Date Sampled.....: 07/21/2008
Time Sampled.....: 14:00
Sample Matrix.....: Solid

Laboratory Sample ID: 357682-1
Date Received.....: 07/24/2008
Time Received.....: 14:58

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1,2,2-Tetrachloroethane, Solid	3.48	U		3.48	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Tetrachloroethene, Solid	3.32	U		3.32	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Toluene, Solid	2.66	U		2.66	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	1,1,1-Trichloroethane, Solid	2.44	U		2.44	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	1,1,2-Trichloroethane, Solid	1.0	U		1.0	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Trichloroethene, Solid	3.34	U		3.34	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Vinyl Chloride, Solid	3.32	U		3.32	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Xylenes (total), Solid	8.82	U		8.82	30	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Acetone, Solid	5.18	U		5.18	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Carbon Disulfide, Solid	2.44	U		2.44	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	Methyl Ethyl Ketone (2-Butanone), Solid	3.72	U		3.72	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	cis-1,3-Dichloropropene, Solid	2.58	U		2.58	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	trans-1,3-Dichloropropene, Solid	2.70	U		2.70	10	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	2-Hexanone, Solid	2.40	U		2.40	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
	4-Methyl-2-pentanone (MIBK), Solid	3.50	U		3.50	20	2.00000	ug/Kg	402674		07/29/08 1751	zfl
SW-846 7470A	Mercury (Hg), TCLP	0.066	U		0.066	1.00	1	ug/L	402945		08/04/08 1332	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete					1		402930		08/04/08 0835	rim
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP											
	Separatory Funnel Liq/Liq Extraction, TCLP	Complete					1		402966		08/04/08 0820	mra
SW-846 6010B	Metals Analysis (ICAP Trace)											
	Arsenic (As), TCLP	0.00310	U		0.00310	0.100	1	mg/L	403058		08/05/08 0925	srp
	Barium (Ba), TCLP	0.0114	B		0.00160	0.100	1	mg/L	403058		08/05/08 0925	srp
	Cadmium (Cd), TCLP	0.00073	U		0.00073	0.100	1	mg/L	403058		08/05/08 0925	srp
	Chromium (Cr), TCLP	0.00155	U		0.00155	0.100	1	mg/L	403058		08/05/08 0925	srp
	Lead (Pb), TCLP	0.00210	U		0.00210	0.100	1	mg/L	403058		08/05/08 0925	srp

EPAHO104002265

LABORATORY TEST RESULTS

Job Number: 357682 Date:01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Customer Sample ID: #2 FST PASTE
Date Sampled.....: 07/21/2008
Time Sampled.....: 14:00
Sample Matrix.....: Solid

Laboratory Sample ID: 357682-1
Date Received.....: 07/24/2008
Time Received.....: 14:58

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium (Se), TCLP	0.00203	U		0.00203	0.200	1	mg/L	403058		08/05/08 0925	srp
	Silver (Ag), TCLP	0.00125	U		0.00125	0.100	1	mg/L	403058		08/05/08 0925	srp
SW-846 8270C	Semivolatile Organics											
	2,4-Dinitrotoluene, TCLP	2.3	U		2.3	29	2.00000	ug/L	403211		08/06/08 2022	maz
	Hexachlorobenzene, TCLP	3.32	U		3.32	29	2.00000	ug/L	403211		08/06/08 2022	maz
	Hexachlorobutadiene, TCLP	2.1	U		2.1	29	2.00000	ug/L	403211		08/06/08 2022	maz
	Hexachloroethane, TCLP	2.8	U		2.8	29	2.00000	ug/L	403211		08/06/08 2022	maz
	Nitrobenzene, TCLP	2.6	U		2.6	29	2.00000	ug/L	403211		08/06/08 2022	maz
	2-Methylphenol (o-Cresol), TCLP	3.97	U		3.97	29	2.00000	ug/L	403211		08/06/08 2022	maz
	4-Methylphenol (p-Cresol), TCLP	5.37	U		5.37	29	2.00000	ug/L	403211		08/06/08 2022	maz
	Pentachlorophenol, TCLP	31.4	U		31.4	140	2.00000	ug/L	403211		08/06/08 2022	maz
	2,4,5-Trichlorophenol, TCLP	4.86	U		4.86	29	2.00000	ug/L	403211		08/06/08 2022	maz
	2,4,6-Trichlorophenol, TCLP	2.97	U		2.97	29	2.00000	ug/L	403211		08/06/08 2022	maz
	Pyridine, TCLP	5.72	U		5.72	29	2.00000	ug/L	403211		08/06/08 2022	maz
SW-846 8260B	Volatile Organics											
	Benzene, TCLP	5.0	U		5.0	100	20.00000	ug/L	403030		08/04/08 1628	klv
	Carbon Tetrachloride, TCLP	6.8	U		6.8	100	20.00000	ug/L	403030		08/04/08 1628	klv
	Chlorobenzene, TCLP	9.4	U		9.4	100	20.00000	ug/L	403030		08/04/08 1628	klv
	Chloroform, TCLP	9.6	U		9.6	100	20.00000	ug/L	403030		08/04/08 1628	klv
	1,4-Dichlorobenzene, TCLP	7.2	U		7.2	100	20.00000	ug/L	403030		08/04/08 1628	klv
	1,2-Dichloroethane, TCLP	10	U		10	100	20.00000	ug/L	403030		08/04/08 1628	klv
	1,1-Dichloroethene, TCLP	8.2	U		8.2	100	20.00000	ug/L	403030		08/04/08 1628	klv
	Tetrachloroethene, TCLP	8.6	U		8.6	100	20.00000	ug/L	403030		08/04/08 1628	klv
	Trichloroethene, TCLP	8.8	U		8.8	100	20.00000	ug/L	403030		08/04/08 1628	klv
	Vinyl Chloride, TCLP	10	U		10	100	20.00000	ug/L	403030		08/04/08 1628	klv
	Methyl Ethyl Ketone (2-Butanone), TCLP	15	U		15	100	20.00000	ug/L	403030		08/04/08 1628	klv

EPAHO104002266

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Test Method.....: ASTM D92-85 Analyst...: sur
Method Description.: Flash & Fire Points (Cleveland Open Cup) Units.....: degrees F Test Code.: IGNPMC
Parameter.....: Ignitability (Flashpoint) Batch(s)...: 403540

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MB	403540--21		>186							08/13/2008	1330
LCS	403540--21	WC3934	82		81		101.2	97.5-102.		08/13/2008	1330
LCS	403540--21	WC3934	82		81		101.2	97.5-102.		08/13/2008	1330
DU	358042-1		121			122	0.8	10.0		08/13/2008	1330
DU	358701-1		>212			>212	0.0	10.0		08/13/2008	1330

Test Method.....: SW-846 9045C Analyst...: sng
Method Description.: Soil pH measured in water Units.....: pH Units Test Code.: 9045B
Parameter.....: Soil pH Batch(s)...: 402869

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
DU	357983-4		6.27			6.27	0.0	1		08/01/2008	1245
LCS	402869--21	WC3957	7.01		7.0		100.1	99.0-101.		08/01/2008	1245
CCV		WC3957	7.02		7.0		100.3	99.0-101.		08/01/2008	1245
DU	357655-1		<2.00			<2.00	0.0	1		08/01/2008	1245
LCS	402869--21	WC3957	7.02		7.0		100.3	99.0-101.		08/01/2008	1245
DU	358115-1		10.17			10.16	0.1	1		08/01/2008	1245
CCV		WC3957	7.02		7.0		100.3	99.0-101.		08/01/2008	1245
CCV		WC3957	7.03		7.0		100.4	99.0-101.		08/01/2008	1245
CCV		WC3957	7.02		7.0		100.3	99.0-101.		08/01/2008	1245
LCS	402869--21	WC3957	7.01		7.0		100.1	99.0-101.		08/01/2008	1245
CCV		WC3957	7.01		7.0		100.1	99.0-101.		08/01/2008	1245

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002267

QUALITY CONTROL RESULTS

Job Number.: 357682 — Report Date.: 01/20/2009

CUSTOMER: Noltex LLC — PROJECT: 2 FST PASTE 7-21 — ATTN: Joy Snodgrass

Test Method.....: SW-846 7470A — Units.....: ug/L — Analyst...: dcl
Method Description.: Mercury (CVAA) — Batch(s)...: 402945

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/04/2008	1225

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.01184594							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/04/2008	1244

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.03057226							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/04/2008	1307

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.00317976							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/04/2008	1326

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.00508919							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/04/2008	1340

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.02051779							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MSHGICV2			08/04/2008	1223

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	3.134004578		3.00		104.5		80.0-120.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MSHGICV2			08/04/2008	1242

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	3.136770582		3.00		104.6		80.0-120.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002268

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MSHGICV2			08/04/2008	1305

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	3.16180709		3.00		105.4		80.0-120.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MSHGICV2			08/04/2008	1324

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	3.163910088		3.00		105.5		80.0-120.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MSHGICV2			08/04/2008	1337

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	3.204309748		3.00		106.8		80.0-120.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CRA	Contract Required Detection Limit	MSHGCRA			08/04/2008	1221

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0.1924023961		0.200		96.2		50.0-150.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB	Extraction Blank		402822-1		08/04/2008	1255

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	-0.01405051							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB	Extraction Blank		402851-1		08/04/2008	1322

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	-0.01733245							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB	Extraction Blank		402901-1		08/04/2008	1330

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	-0.00982185							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICB	Initial Calibration Blank				08/04/2008	1219

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.01029057							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002269

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	MSHGICV2			08/04/2008	1217

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	3.097720471		3.00		103.3		90.0-110.0	

LCS	Laboratory Control Sample	MSHGICV2	402904		08/04/2008	1229

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	3.21969035		3.00		107.3		80.0-120.0	

MB	Method Blank		402904		08/04/2008	1227

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	-0.00863239							

MD	Method Duplicate		357886-1		08/04/2008	1300

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	5.16550909	5.215006402		5.215006402	1.0		20	

MS	Matrix Spike	MSHGICV2	357965-5		08/04/2008	1233

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	2.938588074		3.00	-0.00286332	98.0		75-125	

MS	Matrix Spike	MSHGICV2	357886-1		08/04/2008	1302

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	8.251433333		3.00	5.215006402	101.2		75-125	

MSD	Matrix Spike Duplicate	MSHGICV2	357965-6		08/04/2008	1235

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	2.938668872	2.938588074	3.00	-0.00286332	98.1		75-125	
					0.1		20	

MSD	Matrix Spike Duplicate	MSHGICV2	357886-1		08/04/2008	1309

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	8.315978591	8.251433333	3.00	5.215006402	103.4		75-125	
					2.2		20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002270

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PDS	Post Digestion Spike	MSHGICV2	357965-4		08/04/2008	1333

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	4.10698073		3.00	-0.00286332	137.0		75-125	A

S0	Calibration Blank				08/04/2008	1203

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S0.2	Calibration Standard				08/04/2008	1205

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S0.5	Calibration Standard				08/04/2008	1207

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S1.0	Calibration Standard				08/04/2008	1208

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S10.0	Calibration Standard				08/04/2008	1214

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S2.0	Calibration Standard				08/04/2008	1210

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S5.0	Calibration Standard				08/04/2008	1212

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002271

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		357965-4	5	08/04/2008	1336

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	-0.01100141			-0.00286332				

Test Method.....: SW-846 6010B Units.....: mg/L Analyst...: srp
Method Description.: Metals Analysis (ICAP Trace) Batch(s)...: 403009 403058

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	0758

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00296							
Barium (Ba)	-0.00031							
Cadmium (Cd)	-0.00005							
Chromium (Cr)	-0.00000							
Lead (Pb)	0.00192							
Selenium (Se)	-0.00083							
Silver (Ag)	-0.00273							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	0850

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00076							
Barium (Ba)	-0.00012							
Cadmium (Cd)	0.00008							
Chromium (Cr)	-0.00091							
Lead (Pb)	0.00136							
Selenium (Se)	-0.00018							
Silver (Ag)	-0.00120							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	0937

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00094							
Barium (Ba)	-0.00025							
Cadmium (Cd)	0.00001							
Chromium (Cr)	-0.00023							
Lead (Pb)	0.00146							
Selenium (Se)	-0.00172							
Silver (Ag)	-0.00047							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	1005

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00218							
Barium (Ba)	-0.00006							
Cadmium (Cd)	0.00010							
Chromium (Cr)	0.00033							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002272

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	1005

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Lead (Pb)	0.00106							
Selenium (Se)	-0.00057							
Silver (Ag)	-0.00051							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	0754

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.49968		0.500		99.9		90.0-110.0	
Barium (Ba)	0.48982		0.500		98.0		90.0-110.0	
Cadmium (Cd)	0.49547		0.500		99.1		90.0-110.0	
Chromium (Cr)	0.49221		0.500		98.4		90.0-110.0	
Lead (Pb)	0.49428		0.500		98.9		90.0-110.0	
Selenium (Se)	0.49497		0.500		99.0		90.0-110.0	
Silver (Ag)	0.24361		0.25		97.4		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	0846

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50464		0.500		100.9		90.0-110.0	
Barium (Ba)	0.49149		0.500		98.3		90.0-110.0	
Cadmium (Cd)	0.49980		0.500		100.0		90.0-110.0	
Chromium (Cr)	0.49133		0.500		98.3		90.0-110.0	
Lead (Pb)	0.49723		0.500		99.4		90.0-110.0	
Selenium (Se)	0.50052		0.500		100.1		90.0-110.0	
Silver (Ag)	0.24096		0.25		96.4		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	0933

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.51126		0.500		102.3		90.0-110.0	
Barium (Ba)	0.49506		0.500		99.0		90.0-110.0	
Cadmium (Cd)	0.49987		0.500		100.0		90.0-110.0	
Chromium (Cr)	0.48992		0.500		98.0		90.0-110.0	
Lead (Pb)	0.49805		0.500		99.6		90.0-110.0	
Selenium (Se)	0.50694		0.500		101.4		90.0-110.0	
Silver (Ag)	0.24010		0.25		96.0		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	1001

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.51255		0.500		102.5		90.0-110.0	
Barium (Ba)	0.50136		0.500		100.3		90.0-110.0	
Cadmium (Cd)	0.49553		0.500		99.1		90.0-110.0	
Chromium (Cr)	0.49330		0.500		98.7		90.0-110.0	
Lead (Pb)	0.49076		0.500		98.2		90.0-110.0	
Selenium (Se)	0.50796		0.500		101.6		90.0-110.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002273

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	1001

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Silver (Ag)	0.24480		0.25		97.9		90.0-110.0	

CH1	Calibration check standard 1	MS071708T1			08/05/2008	0742

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.01018		0.0100		101.8		80.0-120.0	
Barium (Ba)	0.00982		0.0100		98.2		80.0-120.0	
Cadmium (Cd)	0.00504		0.00500		100.8		80.0-120.0	
Chromium (Cr)	0.00965		0.0100		96.5		80.0-120.0	
Lead (Pb)	0.01139		0.0100		113.9		80.0-120.0	
Selenium (Se)	0.00913		0.0100		91.3		80.0-120.0	
Silver (Ag)	0.00468		0.00500		93.6		80.0-120.0	

CH3	Standard check for ICAP	MS071708T3			08/05/2008	0731

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	1.96932		2.00		98.5		95.0-105.0	
Barium (Ba)	1.98639		2.00		99.3		95.0-105.0	
Cadmium (Cd)	0.98755		1.00		98.8		95.0-105.0	
Chromium (Cr)	2.00817		2.00		100.4		95.0-105.0	
Lead (Pb)	1.97038		2.00		98.5		95.0-105.0	
Selenium (Se)	1.98763		2.00		99.4		95.0-105.0	
Silver (Ag)	0.99739		1.00		99.7		95.0-105.0	

EB	Extraction Blank		402930		08/05/2008	0921

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), TCLP	0.00184							
Barium (Ba), TCLP	0.00072							
Cadmium (Cd), TCLP	0.00009							
Chromium (Cr), TCLP	-0.00011							
Lead (Pb), TCLP	-0.00051							
Selenium (Se), TCLP	0.00303							
Silver (Ag), TCLP	-0.00012							

ICB	Initial Calibration Blank				08/05/2008	0739

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00168							
Barium (Ba)	-0.00024							
Cadmium (Cd)	-0.00006							
Chromium (Cr)	-0.00170							
Lead (Pb)	0.00158							
Selenium (Se)	0.00041							
Silver (Ag)	-0.00017							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002274

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	MS073108CC			08/05/2008	0735

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50068		0.500		100.1		90.0-110.0	
Barium (Ba)	0.49045		0.500		98.1		90.0-110.0	
Cadmium (Cd)	0.49880		0.500		99.8		90.0-110.0	
Chromium (Cr)	0.49741		0.500		99.5		90.0-110.0	
Lead (Pb)	0.49377		0.500		98.8		90.0-110.0	
Selenium (Se)	0.49220		0.500		98.4		90.0-110.0	
Silver (Ag)	0.24138		0.25		96.6		90.0-110.0	

ISA	Interference Check Sample A	MS071708IA			08/05/2008	0746

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00249		0.0					
Barium (Ba)	0.00218		0.0					
Cadmium (Cd)	0.00111		0.0					
Chromium (Cr)	0.00225		0.0					
Lead (Pb)	-0.00152		0.0					
Selenium (Se)	0.00951		0.0					
Silver (Ag)	0.00006		0.0					

ISB	Interference Check Sample B	MS071708IB			08/05/2008	0750

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.98016		1.00		98.0		80.0-120.0	
Barium (Ba)	1.07458		1.00		107.5		80.0-120.0	
Cadmium (Cd)	0.46824		0.500		93.6		80.0-120.0	
Chromium (Cr)	1.00968		1.00		101.0		80.0-120.0	
Lead (Pb)	0.95630		1.00		95.6		80.0-120.0	
Selenium (Se)	0.99111		1.00		99.1		80.0-120.0	
Silver (Ag)	0.54889		0.500		109.8		80.0-120.0	

LCS	Laboratory Control Sample	MSPIKEW	402930		08/05/2008	0811

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.04756		1.00		104.8		80.0-120.0	
Barium (Ba), Water	1.03630		1.00		103.6		80.0-120.0	
Cadmium (Cd), Water	0.51834		0.500		103.7		80.0-120.0	
Chromium (Cr), Water	1.01986		1.00		102.0		80.0-120.0	
Lead (Pb), Water	1.02921		1.00		102.9		80.0-120.0	
Selenium (Se), Water	1.04009		1.00		104.0		80.0-120.0	
Silver (Ag), Water	0.50828		0.500		101.7		80.0-120.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002275

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		402930		08/05/2008	0807

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	-0.00162							
Barium (Ba), Water	-0.00024							
Cadmium (Cd), Water	0.00002							
Chromium (Cr), Water	-0.00045							
Lead (Pb), Water	0.00206							
Selenium (Se), Water	0.00163							
Silver (Ag), Water	-0.00172							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		357615-1		08/05/2008	0838

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.04433	0.04484		0.04484	0.00051		0.02000	
Barium (Ba), Water	0.59678	0.59118		0.59118	0.9		20	
Cadmium (Cd), Water	0.00005	0.00002		0.00002	0.00003		0.00500	
Chromium (Cr), Water	0.00031	-0.00067		-0.00067	0.00098		0.01000	
Lead (Pb), Water	0.00118	-0.00011		-0.00011	0.00129		0.01000	
Selenium (Se), Water	-0.00024	0.00034		0.00034	0.00058		0.04000	
Silver (Ag), Water	0.00006	0.00045		0.00045	0.00039		0.01000	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		358096-1		08/05/2008	0941

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), TCLP	0.00758	0.00881		0.00881	0.00123		0.02000	
Barium (Ba), TCLP	0.11285	0.11699		0.11699	3.6		20	
Cadmium (Cd), TCLP	0.00207	0.00174		0.00174	0.00033		0.00500	
Chromium (Cr), TCLP	0.00208	0.00437		0.00437	0.00229		0.01000	
Lead (Pb), TCLP	0.01309	0.01383		0.01383	0.00074		0.01000	
Selenium (Se), TCLP	0.00349	-0.00076		-0.00076	0.00425		0.04000	
Silver (Ag), TCLP	-0.00006	0.00225		0.00225	0.00231		0.01000	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSPIKEW	357965-5		08/05/2008	0819

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.00980		1.00	0.00023	101.0		75-125	
Barium (Ba), Water	1.20069		1.00	0.14709	105.4		75-125	
Cadmium (Cd), Water	0.48793		0.500	-0.00005	97.6		75-125	
Chromium (Cr), Water	1.00915		1.00	0.00197	100.7		75-125	
Lead (Pb), Water	0.98694		1.00	0.00067	98.6		75-125	
Selenium (Se), Water	1.01399		1.00	-0.00018	101.4		75-125	
Silver (Ag), Water	0.52753		0.500	0.00005	105.5		75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002276

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSPIKEW	357615-1		08/05/2008	0842

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.06591		1.00	0.04484	102.1		75-125	
Barium (Ba), Water	1.66303		1.00	0.59118	107.2		75-125	
Cadmium (Cd), Water	0.48432		0.500	0.00002	96.9		75-125	
Chromium (Cr), Water	1.00503		1.00	-0.00067	100.6		75-125	
Lead (Pb), Water	0.98661		1.00	-0.00011	98.7		75-125	
Selenium (Se), Water	1.01895		1.00	0.00034	101.9		75-125	
Silver (Ag), Water	0.52999		0.500	0.00045	105.9		75-125	

MS	Matrix Spike	MSPIKEW	358096-1		08/05/2008	0945

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), TCLP	0.96372		1.00	0.00881	95.5		75-125	
Barium (Ba), TCLP	1.16327		1.00	0.11699	104.6		75-125	
Cadmium (Cd), TCLP	0.45433		0.500	0.00174	90.5		75-125	
Chromium (Cr), TCLP	0.97238		1.00	0.00437	96.8		75-125	
Lead (Pb), TCLP	0.93150		1.00	0.01383	91.8		75-125	
Selenium (Se), TCLP	0.98324		1.00	-0.00076	98.4		75-125	
Silver (Ag), TCLP	0.54363		0.500	0.00225	108.3		75-125	

MSD	Matrix Spike Duplicate	MSPIKEW	357965-6		08/05/2008	0823

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.02960	1.00980	1.00	0.00023	102.9		75-125	
					1.9		20	
Barium (Ba), Water	1.21582	1.20069	1.00	0.14709	106.9		75-125	
					1.4		20	
Cadmium (Cd), Water	0.49808	0.48793	0.500	-0.00005	99.6		75-125	
					2.0		20	
Chromium (Cr), Water	1.03173	1.00915	1.00	0.00197	103.0		75-125	
					2.3		20	
Lead (Pb), Water	1.00172	0.98694	1.00	0.00067	100.1		75-125	
					1.5		20	
Selenium (Se), Water	1.02837	1.01399	1.00	-0.00018	102.9		75-125	
					1.5		20	
Silver (Ag), Water	0.53545	0.52753	0.500	0.00005	107.1		75-125	
					1.5		20	

MSD	Matrix Spike Duplicate	MSPIKEW	357615-1		08/05/2008	0854

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.06441	1.06591	1.00	0.04484	102.0		75-125	
					0.1		20	
Barium (Ba), Water	1.66956	1.66303	1.00	0.59118	107.8		75-125	
					0.6		20	
Cadmium (Cd), Water	0.48110	0.48432	0.500	0.00002	96.2		75-125	
					0.7		20	
Chromium (Cr), Water	0.99601	1.00503	1.00	-0.00067	99.7		75-125	
					0.9		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002277

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	MSPIKEW	357615-1		08/05/2008	0854

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Lead (Pb), Water	0.98215	0.98661	1.00	-0.00011	98.2		75-125	
					0.5		20	
Selenium (Se), Water	1.01629	1.01895	1.00	0.00034	101.6		75-125	
					0.3		20	
Silver (Ag), Water	0.53500	0.52999	0.500	0.00045	106.9		75-125	
					0.9		20	

MSD	Matrix Spike Duplicate	MSPIKEW	358096-1		08/05/2008	0949

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), TCLP	0.99708	0.96372	1.00	0.00881	98.8		75-125	
					3.4		20	
Barium (Ba), TCLP	1.19921	1.16327	1.00	0.11699	108.2		75-125	
					3.4		20	
Cadmium (Cd), TCLP	0.46410	0.45433	0.500	0.00174	92.5		75-125	
					2.2		20	
Chromium (Cr), TCLP	0.98379	0.97238	1.00	0.00437	97.9		75-125	
					1.1		20	
Lead (Pb), TCLP	0.95736	0.93150	1.00	0.01383	94.4		75-125	
					2.8		20	
Selenium (Se), TCLP	1.01199	0.98324	1.00	-0.00076	101.3		75-125	
					2.9		20	
Silver (Ag), TCLP	0.55343	0.54363	0.500	0.00225	110.2		75-125	
					1.7		20	

PDS	Post Digestion Spike	MSPIKE3	357615-1		08/05/2008	0953

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.09068		1.00	0.04484	104.6		75-125	
Barium (Ba), Water	1.68079		1.00	0.59118	109.0		75-125	
Cadmium (Cd), Water	0.48341		0.500	0.00002	96.7		75-125	
Chromium (Cr), Water	0.99102		1.00	-0.00067	99.2		75-125	
Lead (Pb), Water	0.99073		1.00	-0.00011	99.1		75-125	
Selenium (Se), Water	1.06002		1.00	0.00034	106.0		75-125	
Silver (Ag), Water	0.53688		0.500	0.00045	107.3		75-125	

S0	Calibration Blank				08/05/2008	0721

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00267							
Barium (Ba)	0.00003							
Cadmium (Cd)	-0.00390							
Chromium (Cr)	0.00003							
Lead (Pb)	0.00039							
Selenium (Se)	0.00027							
Silver (Ag)	-0.00569							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002278

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		357615-1	5	08/05/2008	0957

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00785			0.04484	12.5			
Barium (Ba), Water	0.11128			0.59118	5.9		10.0	
Cadmium (Cd), Water	0.00004			0.00002				
Chromium (Cr), Water	-0.00045			-0.00067				
Lead (Pb), Water	0.00212			-0.00011				
Selenium (Se), Water	-0.00172			0.00034				
Silver (Ag), Water	-0.00079			0.00045				

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
STD	Spiked Blank Duplicate				08/05/2008	0727

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	4.02541							
Barium (Ba)	0.63441							
Cadmium (Cd)	16.80468							
Chromium (Cr)	0.34448							
Silver (Ag)	0.42291							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	0758

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00296							
Barium (Ba)	-0.00031							
Cadmium (Cd)	-0.00005							
Chromium (Cr)	-0.00000							
Lead (Pb)	0.00192							
Selenium (Se)	-0.00083							
Silver (Ag)	-0.00273							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	0850

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00076							
Barium (Ba)	-0.00012							
Cadmium (Cd)	0.00008							
Chromium (Cr)	-0.00091							
Lead (Pb)	0.00136							
Selenium (Se)	-0.00018							
Silver (Ag)	-0.00120							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	0937

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00094							
Barium (Ba)	-0.00025							
Cadmium (Cd)	0.00001							
Chromium (Cr)	-0.00023							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002279

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	0937

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Lead (Pb)	0.00146							
Selenium (Se)	-0.00172							
Silver (Ag)	-0.00047							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	1005

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00218							
Barium (Ba)	-0.00006							
Cadmium (Cd)	0.00010							
Chromium (Cr)	0.00033							
Lead (Pb)	0.00106							
Selenium (Se)	-0.00057							
Silver (Ag)	-0.00051							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				08/05/2008	1137

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00077							
Barium (Ba)	-0.00000							
Cadmium (Cd)	-0.00002							
Chromium (Cr)	0.00033							
Lead (Pb)	0.00054							
Selenium (Se)	-0.00093							
Silver (Ag)	0.00025							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	0754

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.49968		0.500		99.9		90.0-110.0	
Barium (Ba)	0.48982		0.500		98.0		90.0-110.0	
Cadmium (Cd)	0.49547		0.500		99.1		90.0-110.0	
Chromium (Cr)	0.49221		0.500		98.4		90.0-110.0	
Lead (Pb)	0.49428		0.500		98.9		90.0-110.0	
Selenium (Se)	0.49497		0.500		99.0		90.0-110.0	
Silver (Ag)	0.24361		0.25		97.4		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	0846

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50464		0.500		100.9		90.0-110.0	
Barium (Ba)	0.49149		0.500		98.3		90.0-110.0	
Cadmium (Cd)	0.49980		0.500		100.0		90.0-110.0	
Chromium (Cr)	0.49133		0.500		98.3		90.0-110.0	
Lead (Pb)	0.49723		0.500		99.4		90.0-110.0	
Selenium (Se)	0.50052		0.500		100.1		90.0-110.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002280

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	0846

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Silver (Ag)	0.24096		0.25		96.4		90.0-110.0	

CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	0933

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.51126		0.500		102.3		90.0-110.0	
Barium (Ba)	0.49506		0.500		99.0		90.0-110.0	
Cadmium (Cd)	0.49987		0.500		100.0		90.0-110.0	
Chromium (Cr)	0.48992		0.500		98.0		90.0-110.0	
Lead (Pb)	0.49805		0.500		99.6		90.0-110.0	
Selenium (Se)	0.50694		0.500		101.4		90.0-110.0	
Silver (Ag)	0.24010		0.25		96.0		90.0-110.0	

CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	1001

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.51255		0.500		102.5		90.0-110.0	
Barium (Ba)	0.50136		0.500		100.3		90.0-110.0	
Cadmium (Cd)	0.49553		0.500		99.1		90.0-110.0	
Chromium (Cr)	0.49330		0.500		98.7		90.0-110.0	
Lead (Pb)	0.49076		0.500		98.2		90.0-110.0	
Selenium (Se)	0.50796		0.500		101.6		90.0-110.0	
Silver (Ag)	0.24480		0.25		97.9		90.0-110.0	

CCV	Continuing Calibration Verification	MS073108CC			08/05/2008	1133

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.51140		0.500		102.3		90.0-110.0	
Barium (Ba)	0.49891		0.500		99.8		90.0-110.0	
Cadmium (Cd)	0.49668		0.500		99.3		90.0-110.0	
Chromium (Cr)	0.48108		0.500		96.2		90.0-110.0	
Lead (Pb)	0.49527		0.500		99.1		90.0-110.0	
Selenium (Se)	0.50755		0.500		101.5		90.0-110.0	
Silver (Ag)	0.24023		0.25		96.1		90.0-110.0	

CH1	Calibration check standard 1	MS071708T1			08/05/2008	0742

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.01018		0.0100		101.8		80.0-120.0	
Barium (Ba)	0.00982		0.0100		98.2		80.0-120.0	
Cadmium (Cd)	0.00504		0.00500		100.8		80.0-120.0	
Chromium (Cr)	0.00965		0.0100		96.5		80.0-120.0	
Lead (Pb)	0.01139		0.0100		113.9		80.0-120.0	
Selenium (Se)	0.00913		0.0100		91.3		80.0-120.0	
Silver (Ag)	0.00468		0.00500		93.6		80.0-120.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002281

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CH1	Calibration check standard 1	MS071708T1			08/05/2008	1121

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00886		0.0100		88.6		80.0-120.0	
Barium (Ba)	0.01034		0.0100		103.4		80.0-120.0	
Cadmium (Cd)	0.00528		0.00500		105.6		80.0-120.0	
Chromium (Cr)	0.01015		0.0100		101.5		80.0-120.0	
Lead (Pb)	0.01043		0.0100		104.3		80.0-120.0	
Silver (Ag)	0.00481		0.00500		96.2		80.0-120.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CH3	Standard check for ICAP	MS071708T3			08/05/2008	0731

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	1.96932		2.00		98.5		95.0-105.0	
Barium (Ba)	1.98639		2.00		99.3		95.0-105.0	
Cadmium (Cd)	0.98755		1.00		98.8		95.0-105.0	
Chromium (Cr)	2.00817		2.00		100.4		95.0-105.0	
Lead (Pb)	1.97038		2.00		98.5		95.0-105.0	
Selenium (Se)	1.98763		2.00		99.4		95.0-105.0	
Silver (Ag)	0.99739		1.00		99.7		95.0-105.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB	Extraction Blank		402930		08/05/2008	0921

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), TCLP	0.00184							
Barium (Ba), TCLP	0.00072							
Cadmium (Cd), TCLP	0.00009							
Chromium (Cr), TCLP	-0.00011							
Lead (Pb), TCLP	-0.00051							
Selenium (Se), TCLP	0.00303							
Silver (Ag), TCLP	-0.00012							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICB	Initial Calibration Blank				08/05/2008	0739

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00168							
Barium (Ba)	-0.00024							
Cadmium (Cd)	-0.00006							
Chromium (Cr)	-0.00170							
Lead (Pb)	0.00158							
Selenium (Se)	0.00041							
Silver (Ag)	-0.00017							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002282

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	MS073108CC			08/05/2008	0735

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50068		0.500		100.1		90.0-110.0	
Barium (Ba)	0.49045		0.500		98.1		90.0-110.0	
Cadmium (Cd)	0.49880		0.500		99.8		90.0-110.0	
Chromium (Cr)	0.49741		0.500		99.5		90.0-110.0	
Lead (Pb)	0.49377		0.500		98.8		90.0-110.0	
Selenium (Se)	0.49220		0.500		98.4		90.0-110.0	
Silver (Ag)	0.24138		0.25		96.6		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISA	Interference Check Sample A	MS071708IA			08/05/2008	0746

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00249		0.0					
Barium (Ba)	0.00218		0.0					
Cadmium (Cd)	0.00111		0.0					
Chromium (Cr)	0.00225		0.0					
Lead (Pb)	-0.00152		0.0					
Selenium (Se)	0.00951		0.0					
Silver (Ag)	0.00006		0.0					

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISA	Interference Check Sample A	MS071708IA			08/05/2008	1125

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00392		0.0					
Barium (Ba)	0.00191		0.0					
Cadmium (Cd)	0.00124		0.0					
Chromium (Cr)	-0.00022		0.0					
Lead (Pb)	-0.00146		0.0					
Selenium (Se)	0.00978		0.0					
Silver (Ag)	-0.00058		0.0					

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISB	Interference Check Sample B	MS071708IB			08/05/2008	0750

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.98016		1.00		98.0		80.0-120.0	
Barium (Ba)	1.07458		1.00		107.5		80.0-120.0	
Cadmium (Cd)	0.46824		0.500		93.6		80.0-120.0	
Chromium (Cr)	1.00968		1.00		101.0		80.0-120.0	
Lead (Pb)	0.95630		1.00		95.6		80.0-120.0	
Selenium (Se)	0.99111		1.00		99.1		80.0-120.0	
Silver (Ag)	0.54889		0.500		109.8		80.0-120.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002283

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISB	Interference Check Sample B	MS071708IB			08/05/2008	1129

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.99930		1.00		99.9		80.0-120.0	
Barium (Ba)	1.09563		1.00		109.6		80.0-120.0	
Cadmium (Cd)	0.46501		0.500		93.0		80.0-120.0	
Chromium (Cr)	0.98073		1.00		98.1		80.0-120.0	
Lead (Pb)	0.95208		1.00		95.2		80.0-120.0	
Selenium (Se)	1.00625		1.00		100.6		80.0-120.0	
Silver (Ag)	0.55281		0.500		110.6		80.0-120.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	MSPIKEW	402930		08/05/2008	0811

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.04756		1.00		104.8		80.0-120.0	
Barium (Ba), Water	1.03630		1.00		103.6		80.0-120.0	
Cadmium (Cd), Water	0.51834		0.500		103.7		80.0-120.0	
Chromium (Cr), Water	1.01986		1.00		102.0		80.0-120.0	
Lead (Pb), Water	1.02921		1.00		102.9		80.0-120.0	
Selenium (Se), Water	1.04009		1.00		104.0		80.0-120.0	
Silver (Ag), Water	0.50828		0.500		101.7		80.0-120.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		402930		08/05/2008	0807

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	-0.00162							
Barium (Ba), Water	-0.00024							
Cadmium (Cd), Water	0.00002							
Chromium (Cr), Water	-0.00045							
Lead (Pb), Water	0.00206							
Selenium (Se), Water	0.00163							
Silver (Ag), Water	-0.00172							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		357615-1		08/05/2008	0838

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.04433	0.04484		0.04484	0.00051		0.02000	
Barium (Ba), Water	0.59678	0.59118		0.59118	0.9		20	
Cadmium (Cd), Water	0.00005	0.00002		0.00002	0.00003		0.00500	
Chromium (Cr), Water	0.00031	-0.00067		-0.00067	0.00098		0.01000	
Lead (Pb), Water	0.00118	-0.00011		-0.00011	0.00129		0.01000	
Selenium (Se), Water	-0.00024	0.00034		0.00034	0.00058		0.04000	
Silver (Ag), Water	0.00006	0.00045		0.00045	0.00039		0.01000	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002284

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		358096-1		08/05/2008	0941

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), TCLP	0.00758	0.00881		0.00881	0.00123		0.02000	
Barium (Ba), TCLP	0.11285	0.11699		0.11699	3.6		20	
Cadmium (Cd), TCLP	0.00207	0.00174		0.00174	0.00033		0.00500	
Chromium (Cr), TCLP	0.00208	0.00437		0.00437	0.00229		0.01000	
Lead (Pb), TCLP	0.01309	0.01383		0.01383	0.00074		0.01000	
Selenium (Se), TCLP	0.00349	-0.00076		-0.00076	0.00425		0.04000	
Silver (Ag), TCLP	-0.00006	0.00225		0.00225	0.00231		0.01000	

MS	Matrix Spike	MSPIKEW	357965-5		08/05/2008	0819

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.00980		1.00	0.00023	101.0		75-125	
Barium (Ba), Water	1.20069		1.00	0.14709	105.4		75-125	
Cadmium (Cd), Water	0.48793		0.500	-0.00005	97.6		75-125	
Chromium (Cr), Water	1.00915		1.00	0.00197	100.7		75-125	
Lead (Pb), Water	0.98694		1.00	0.00067	98.6		75-125	
Selenium (Se), Water	1.01399		1.00	-0.00018	101.4		75-125	
Silver (Ag), Water	0.52753		0.500	0.00005	105.5		75-125	

MS	Matrix Spike	MSPIKEW	357615-1		08/05/2008	0842

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.06591		1.00	0.04484	102.1		75-125	
Barium (Ba), Water	1.66303		1.00	0.59118	107.2		75-125	
Cadmium (Cd), Water	0.48432		0.500	0.00002	96.9		75-125	
Chromium (Cr), Water	1.00503		1.00	-0.00067	100.6		75-125	
Lead (Pb), Water	0.98661		1.00	-0.00011	98.7		75-125	
Selenium (Se), Water	1.01895		1.00	0.00034	101.9		75-125	
Silver (Ag), Water	0.52999		0.500	0.00045	105.9		75-125	

MS	Matrix Spike	MSPIKEW	358096-1		08/05/2008	0945

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), TCLP	0.96372		1.00	0.00881	95.5		75-125	
Barium (Ba), TCLP	1.16327		1.00	0.11699	104.6		75-125	
Cadmium (Cd), TCLP	0.45433		0.500	0.00174	90.5		75-125	
Chromium (Cr), TCLP	0.97238		1.00	0.00437	96.8		75-125	
Lead (Pb), TCLP	0.93150		1.00	0.01383	91.8		75-125	
Selenium (Se), TCLP	0.98324		1.00	-0.00076	98.4		75-125	
Silver (Ag), TCLP	0.54363		0.500	0.00225	108.3		75-125	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002285

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	MSPIKEW	357965-6		08/05/2008	0823

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.02960	1.00980	1.00	0.00023	102.9		75-125	
					1.9		20	
Barium (Ba), Water	1.21582	1.20069	1.00	0.14709	106.9		75-125	
					1.4		20	
Cadmium (Cd), Water	0.49808	0.48793	0.500	-0.00005	99.6		75-125	
					2.0		20	
Chromium (Cr), Water	1.03173	1.00915	1.00	0.00197	103.0		75-125	
					2.3		20	
Lead (Pb), Water	1.00172	0.98694	1.00	0.00067	100.1		75-125	
					1.5		20	
Selenium (Se), Water	1.02837	1.01399	1.00	-0.00018	102.9		75-125	
					1.5		20	
Silver (Ag), Water	0.53545	0.52753	0.500	0.00005	107.1		75-125	
					1.5		20	

MSD	Matrix Spike Duplicate	MSPIKEW	357615-1		08/05/2008	0854

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.06441	1.06591	1.00	0.04484	102.0		75-125	
					0.1		20	
Barium (Ba), Water	1.66956	1.66303	1.00	0.59118	107.8		75-125	
					0.6		20	
Cadmium (Cd), Water	0.48110	0.48432	0.500	0.00002	96.2		75-125	
					0.7		20	
Chromium (Cr), Water	0.99601	1.00503	1.00	-0.00067	99.7		75-125	
					0.9		20	
Lead (Pb), Water	0.98215	0.98661	1.00	-0.00011	98.2		75-125	
					0.5		20	
Selenium (Se), Water	1.01629	1.01895	1.00	0.00034	101.6		75-125	
					0.3		20	
Silver (Ag), Water	0.53500	0.52999	0.500	0.00045	106.9		75-125	
					0.9		20	

MSD	Matrix Spike Duplicate	MSPIKEW	358096-1		08/05/2008	0949

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), TCLP	0.99708	0.96372	1.00	0.00881	98.8		75-125	
					3.4		20	
Barium (Ba), TCLP	1.19921	1.16327	1.00	0.11699	108.2		75-125	
					3.4		20	
Cadmium (Cd), TCLP	0.46410	0.45433	0.500	0.00174	92.5		75-125	
					2.2		20	
Chromium (Cr), TCLP	0.98379	0.97238	1.00	0.00437	97.9		75-125	
					1.1		20	
Lead (Pb), TCLP	0.95736	0.93150	1.00	0.01383	94.4		75-125	
					2.8		20	
Selenium (Se), TCLP	1.01199	0.98324	1.00	-0.00076	101.3		75-125	
					2.9		20	
Silver (Ag), TCLP	0.55343	0.54363	0.500	0.00225	110.2		75-125	
					1.7		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002286

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PDS	Post Digestion Spike	MSPIKE3	357615-1		08/05/2008	0953

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.09068		1.00	0.04484	104.6		75-125	
Barium (Ba), Water	1.68079		1.00	0.59118	109.0		75-125	
Cadmium (Cd), Water	0.48341		0.500	0.00002	96.7		75-125	
Chromium (Cr), Water	0.99102		1.00	-0.00067	99.2		75-125	
Lead (Pb), Water	0.99073		1.00	-0.00011	99.1		75-125	
Selenium (Se), Water	1.06002		1.00	0.00034	106.0		75-125	
Silver (Ag), Water	0.53688		0.500	0.00045	107.3		75-125	

S0	Calibration Blank				08/05/2008 0721

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00267							
Barium (Ba)	0.00003							
Cadmium (Cd)	-0.00390							
Chromium (Cr)	0.00003							
Lead (Pb)	0.00039							
Selenium (Se)	0.00027							
Silver (Ag)	-0.00569							

SD	Serial Dilution		357615-1	5	08/05/2008 0957

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00785			0.04484	12.5			
Barium (Ba), Water	0.11128			0.59118	5.9		10.0	
Cadmium (Cd), Water	0.00004			0.00002				
Chromium (Cr), Water	-0.00045			-0.00067				
Lead (Pb), Water	0.00212			-0.00011				
Selenium (Se), Water	-0.00172			0.00034				
Silver (Ag), Water	-0.00079			0.00045				

STD	Spiked Blank Duplicate				08/05/2008 0727

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	4.02541							
Barium (Ba)	0.63441							
Cadmium (Cd)	16.80468							
Chromium (Cr)	0.34448							
Silver (Ag)	0.42291							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002287

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: TNRCC 1005 Units.....: mg/L Analyst...: kp
Method Description.: Direct Analytical TPH Method TX 1005 Batch(s)...: 402664

LCD	Laboratory Control Sample Duplicate	GCL072508	402578		07/29/2008	1857

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Petroleum Hydrocarbons C6 - C12, Soil	218.632	211.126	250.000000	ND	87.5		75-125	
					3.5		20	
Petroleum Hydrocarbons C12 - C28, Soil	223.479	218.199	250.000000	ND	89.4		75-125	
					2.4		20	
Petroleum Hydrocarbons C6 - C35, Soil	442.111	429.325	500.000000	ND	88.4		75-125	
					2.9		20	

LCS	Laboratory Control Sample	GCL072508	402578		07/29/2008	1824

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Petroleum Hydrocarbons C6 - C12, Soil	211.126		250.000000	ND	84.5		75-125	
Petroleum Hydrocarbons C12 - C28, Soil	218.199		250.000000	ND	87.3		75-125	
Petroleum Hydrocarbons C6 - C35, Soil	429.325		500.000000	ND	85.9		75-125	

MB	Method Blank	GC072508A	402578		07/29/2008	1751

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Petroleum Hydrocarbons C6 - C12, Soil	ND							
Petroleum Hydrocarbons C12 - C28, Soil	ND							
Petroleum Hydrocarbons C28 - C35, Soil	ND							
Petroleum Hydrocarbons C6 - C35, Soil	ND							

MS	Matrix Spike	GCS071708	357681-2		07/29/2008	1433

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Petroleum Hydrocarbons C6 - C12, Solid	243.554		250.000000	ND	97		75-125	
Petroleum Hydrocarbons C12 - C28, Solid	250.640		250.000000	ND	100		75-125	
Petroleum Hydrocarbons C6 - C35, Solid	494.195		500.000000	ND	99		75-125	

MSD	Matrix Spike Duplicate	GCS071708	357681-2		07/29/2008	1506

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Petroleum Hydrocarbons C6 - C12, Solid	256.785	243.554	250.000000	ND	103		75-125	
					5.3		20.0	
Petroleum Hydrocarbons C12 - C28, Solid	249.220	250.640	250.000000	ND	100		75-125	
					0.6		20.0	
Petroleum Hydrocarbons C6 - C35, Solid	506.004	494.195	500.000000	ND	101		75-125	
					2.4		20.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002288

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW-846 8015B Units.....: mg/L Analyst...: jps
Method Description.: Method 8015 Non-Halogenated Organics Batch(s)...: 403556

LCS	Laboratory Control Sample	ALC072108A			08/13/2008	1119

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methanol, Water	55.35		50.0		110.7		60-140	

MB	Method Blank				08/13/2008	1103

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methanol, Water	ND							

MS	Matrix Spike	ALC072108	358452-1		08/13/2008	1542

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methanol, Water	54.80		50.0	4.27	101		70-130	

MSD	Matrix Spike Duplicate	ALC072108	358452-1		08/13/2008	1558

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methanol, Water	55.96	54.80	50.0	4.27	103		70-130	
					2.1		30.0	

Test Method.....: SW-846 8270C Units.....: ug/L Analyst...: maz
Method Description.: Semivolatile Organics Batch(s)...: 403211 403366

LCD	Laboratory Control Sample Duplicate	SVS071008A	402966		08/06/2008	1343

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
1,4-Dichlorobenzene, TCLP	39.3575	40.3534	50	0	78.7		46-125	
					2.5		28	
2,4-Dinitrotoluene, TCLP	45.6067	45.1687	50	0	91.2		62-129	
					1.0		38	
Hexachlorobenzene, TCLP	44.7418	44.1343	50	0	89.5		66-134	
					1.4		50	
Hexachlorobutadiene, TCLP	40.1136	41.2263	50	0	80.2		32-143	
					2.7		50	
Hexachloroethane, TCLP	38.9141	40.3731	50	0	77.8		24-130	
					3.7		50	
Nitrobenzene, TCLP	42.2784	42.8944	50	0	84.6		61-121	
					1.4		50	
2-Methylphenol (o-Cresol), TCLP	34.8851	35.7997	50	0	69.8		34-109	
					2.6		50	
4-Methylphenol (p-Cresol), TCLP	33.7440	35.3171	50	0	67.5		27-105	
					4.6		50	
Pentachlorophenol, TCLP	38.2569	38.4769	50	0	76.5		28-171	
					0.6		50	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002289

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	SVS071008A	402966		08/06/2008	1343

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
2,4,5-Trichlorophenol, TCLP	44.8874	44.2502	50	0	89.8		38-145	
					1.4		50	
2,4,6-Trichlorophenol, TCLP	44.2129	43.3104	50	0	88.4		30-143	
					2.1		50	
Pyridine, TCLP	26.3788	25.3041	50	0	52.8		10-109	
					4.2		30	

LCS	Laboratory Control Sample	SVS071008A	402966		08/06/2008	1306

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
1,4-Dichlorobenzene, TCLP	40.3534		50	0	80.7		46-125	
2,4-Dinitrotoluene, TCLP	45.1687		50	0	90.3		62-129	
Hexachlorobenzene, TCLP	44.1343		50	0	88.3		66-134	
Hexachlorobutadiene, TCLP	41.2263		50	0	82.5		32-143	
Hexachloroethane, TCLP	40.3731		50	0	80.7		45-106	
Nitrobenzene, TCLP	42.8944		50	0	85.8		56-108	
2-Methylphenol (o-Cresol), TCLP	35.7997		50	0	71.6		34-109	
4-Methylphenol (p-Cresol), TCLP	35.3171		50	0	70.6		27-105	
Pentachlorophenol, TCLP	38.4769		50	0	77.0		28-171	
2,4,5-Trichlorophenol, TCLP	44.2502		50	0	88.5		38-145	
2,4,6-Trichlorophenol, TCLP	43.3104		50	0	86.6		30-143	
Pyridine, TCLP	25.3041		50	0	50.6		10-109	

MB	Method Blank	SVS071008	402966		08/07/2008	1555

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
1,4-Dichlorobenzene, TCLP	0							
2,4-Dinitrotoluene, TCLP	0							
Hexachlorobenzene, TCLP	0							
Hexachlorobutadiene, TCLP	0							
Hexachloroethane, TCLP	0							
Nitrobenzene, TCLP	0							
2-Methylphenol (o-Cresol), TCLP	0							
4-Methylphenol (p-Cresol), TCLP	0							
Pentachlorophenol, TCLP	0							
2,4,5-Trichlorophenol, TCLP	0							
2,4,6-Trichlorophenol, TCLP	0							
Pyridine, TCLP	0							

PB	Prep. Blank	SVS071008	402966		08/06/2008	1419

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
1,4-Dichlorobenzene, TCLP	0							
2,4-Dinitrotoluene, TCLP	0							
Hexachlorobenzene, TCLP	0							
Hexachlorobutadiene, TCLP	0							
Hexachloroethane, TCLP	0							
Nitrobenzene, TCLP	0							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002290

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank	SVS071008	402966		08/06/2008	1419

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
2-Methylphenol (o-Cresol), TCLP	0							
4-Methylphenol (p-Cresol), TCLP	0							
Pentachlorophenol, TCLP	0							
2,4,5-Trichlorophenol, TCLP	0							
2,4,6-Trichlorophenol, TCLP	0							
Pyridine, TCLP	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank	SVS071008	402966		08/06/2008	1532

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
1,4-Dichlorobenzene, TCLP	0							
2,4-Dinitrotoluene, TCLP	0							
Hexachlorobenzene, TCLP	0							
Hexachlorobutadiene, TCLP	0							
Hexachloroethane, TCLP	0							
Nitrobenzene, TCLP	0							
2-Methylphenol (o-Cresol), TCLP	0							
4-Methylphenol (p-Cresol), TCLP	0							
Pentachlorophenol, TCLP	0							
2,4,5-Trichlorophenol, TCLP	0							
2,4,6-Trichlorophenol, TCLP	0							
Pyridine, TCLP	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank	SVS071008	402966		08/07/2008	1631

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
1,4-Dichlorobenzene, TCLP	0							
2,4-Dinitrotoluene, TCLP	0							
Hexachlorobenzene, TCLP	0							
Hexachlorobutadiene, TCLP	0							
Hexachloroethane, TCLP	0							
Nitrobenzene, TCLP	0							
2-Methylphenol (o-Cresol), TCLP	0							
4-Methylphenol (p-Cresol), TCLP	0							
Pentachlorophenol, TCLP	0							
2,4,5-Trichlorophenol, TCLP	0							
2,4,6-Trichlorophenol, TCLP	0							
Pyridine, TCLP	0							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002291

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	SVS071008A	402476		08/09/2008	1125

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Acenaphthene, Solid	45.8966		50		91.8		58-125	
Acenaphthylene, Solid	46.2941		50		92.6		53-113	
Anthracene, Solid	45.4912		50		91.0		53-125	
Benzo(a)anthracene, Solid	46.1145		50		92.2		56-126	
Benzo(b)fluoranthene, Solid	44.2400		50		88.5		55-126	
Benzo(k)fluoranthene, Solid	46.2780		50		92.6		56-125	
Benzo(ghi)perylene, Solid	46.2701		50		92.5		56-140	
Benzo(a)pyrene, Solid	44.3078		50		88.6		57-120	
Butyl Benzyl Phthalate, Solid	46.9115		50		93.8		65-135	
bis(2-chloroethoxy)methane, Solid	43.2537		50		86.5		57-122	
bis(2-Chloroethyl)ether, Solid	40.9494		50		81.9		38-122	
bis(2-chloroisopropyl)ether, Solid	43.9903		50		88.0		44-141	
bis(2-ethylhexyl)phthalate, Solid	48.9086		50		97.8		64-134	
4-Bromophenyl Phenyl Ether, Solid	45.8750		50		91.8		48-140	
4-Chloroaniline, Solid	41.9376		50		83.9		44-100	
2-Chloronaphthalene, Solid	44.7342		50		89.5		60-123	
4-Chlorophenyl Phenyl Ether, Solid	49.3918		50		98.8		62-128	
Chrysene, Solid	46.4087		50		92.8		52-132	
Dibenzo(a,h)anthracene, Solid	47.1748		50		94.3		61-135	
Dibenzofuran, Solid	48.6489		50		97.3		62-128	
1,2-Dichlorobenzene, Solid	42.9162		50		85.8		50-114	
1,3-Dichlorobenzene, Solid	41.8178		50		83.6		50-111	
1,4-Dichlorobenzene, Solid	41.0244		50		82.0		49-112	
Diethyl Phthalate, Solid	47.7402		50		95.5		54-126	
Dimethyl Phthalate, Solid	46.6003		50		93.2		61-120	
Di-n-butyl Phthalate, Solid	48.9464		50		97.9		56-127	
Di-n-octyl Phthalate, Solid	46.6959		50		93.4		50-146	
2,4-Dinitrotoluene, Solid	47.8683		50		95.7		61-130	
2,6-Dinitrotoluene, Solid	44.1689		50		88.3		56-91	
Fluoranthene, Solid	49.9399		50		99.9		52-129	
Fluorene, Solid	48.1682		50		96.3		58-134	
Hexachlorobenzene, Solid	46.2623		50		92.5		63-141	
Hexachlorobutadiene, Solid	41.9399		50		83.9		59-141	
Hexachlorocyclopentadiene, Solid	36.4486		50		72.9		30-117	
Hexachloroethane, Solid	41.3847		50		82.8		49-105	
Indeno(1,2,3-cd)pyrene, Solid	44.5015		50		89.0		55-143	
Isophorone, Solid	35.7034		50		71.4		50-101	
2-Methylnaphthalene, Solid	43.8172		50		87.6		54-130	
Naphthalene, Solid	42.3609		50		84.7		49-111	
Nitrobenzene, Solid	41.9298		50		83.9		44-118	
n-Nitrosodi-n-propylamine, Solid	42.2085		50		84.4		50-138	
n-Nitrosodiphenylamine, Solid	38.4080		50		76.8		43-108	
Phenanthrene, Solid	47.8511		50		95.7		52-125	
Pyrene, Solid	46.0710		50		92.1		48-165	
1,2,4-Trichlorobenzene, Solid	40.5944		50		81.2		49-117	
4-Chloro-3-methylphenol, Solid	44.7891		50		89.6		60-130	
2-Chlorophenol, Solid	41.5838		50		83.2		45-116	
2,4-Dichlorophenol, Solid	42.6772		50		85.4		65-114	
2,4-Dimethylphenol, Solid	37.6278		50		75.3		49-119	
2,4-Dinitrophenol, Solid	39.7297		50		79.5		36-138	
2-Methyl-4,6-dinitrophenol, Solid	44.5447		50		89.1		55-136	
2-Methylphenol (o-Cresol), Solid	42.5405		50		85.1		50-109	
4-Methylphenol (p-Cresol), Solid	47.2647		50		94.5		51-123	
2-Nitrophenol, Solid	41.2982		50		82.6		55-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002292

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	SVS071008A	402476		08/09/2008	1125

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
4-Nitrophenol, Solid	50.6769		50		101.4		41-140	
Pentachlorophenol, Solid	40.8926		50		81.8		33-157	
Phenol, Solid	42.3518		50		84.7		36-122	
2,4,5-Trichlorophenol, Solid	47.6818		50		95.4		59-136	
2,4,6-Trichlorophenol, Solid	45.2747		50		90.5		59-134	
Pyridine, Solid	39.6765		50		79.4		44-102	
2-Nitroaniline, Solid	54.8267		50		109.7		38-128	
3-Nitroaniline, Solid	46.5481		50		93.1		41-130	
4-Nitroaniline, Solid	48.8062		50		97.6		34-134	
Carbazole, Solid	49.7841		50		99.6		47-131	
3,3'-Dichlorobenzidine, Solid	49.2851		50		98.6		10-262	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	SVS071008	402476		08/09/2008	1048

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Acenaphthene, Solid	0							
Acenaphthylene, Solid	0							
Anthracene, Solid	0							
Benzo(a)anthracene, Solid	0							
Benzo(b)fluoranthene, Solid	0							
Benzo(k)fluoranthene, Solid	0							
Benzo(ghi)perylene, Solid	0							
Benzo(a)pyrene, Solid	0							
Butyl Benzyl Phthalate, Solid	0							
bis(2-chloroethoxy)methane, Solid	0							
bis(2-Chloroethyl)ether, Solid	0							
bis(2-chloroisopropyl)ether, Solid	0							
bis(2-ethylhexyl)phthalate, Solid	0							
4-Bromophenyl Phenyl Ether, Solid	0							
4-Chloroaniline, Solid	0							
2-Chloronaphthalene, Solid	0							
4-Chlorophenyl Phenyl Ether, Solid	0							
Chrysene, Solid	0							
Dibenzo(a,h)anthracene, Solid	0							
Dibenzofuran, Solid	0							
1,2-Dichlorobenzene, Solid	0							
1,3-Dichlorobenzene, Solid	0							
1,4-Dichlorobenzene, Solid	0							
Diethyl Phthalate, Solid	0							
Dimethyl Phthalate, Solid	0							
Di-n-butyl Phthalate, Solid	0							
Di-n-octyl Phthalate, Solid	0							
2,4-Dinitrotoluene, Solid	0							
2,6-Dinitrotoluene, Solid	0							
Fluoranthene, Solid	0							
Fluorene, Solid	0							
Hexachlorobenzene, Solid	0							
Hexachlorobutadiene, Solid	0							
Hexachlorocyclopentadiene, Solid	0							
Hexachloroethane, Solid	0							
Indeno(1,2,3-cd)pyrene, Solid	0							
Isophorone, Solid	0							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002293

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	SVS071008	402476		08/09/2008	1048

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
2-Methylnaphthalene, Solid	0							
Naphthalene, Solid	0							
Nitrobenzene, Solid	0							
n-Nitrosodi-n-propylamine, Solid	0							
n-Nitrosodiphenylamine, Solid	0							
Phenanthrene, Solid	0							
Pyrene, Solid	0							
1,2,4-Trichlorobenzene, Solid	0							
4-Chloro-3-methylphenol, Solid	0							
2-Chlorophenol, Solid	0							
2,4-Dichlorophenol, Solid	0							
2,4-Dimethylphenol, Solid	0							
2,4-Dinitrophenol, Solid	0							
2-Methyl-4,6-dinitrophenol, Solid	0							
2-Methylphenol (o-Cresol), Solid	0							
4-Methylphenol (p-Cresol), Solid	0							
2-Nitrophenol, Solid	0							
4-Nitrophenol, Solid	0							
Pentachlorophenol, Solid	0							
Phenol, Solid	0							
2,4,5-Trichlorophenol, Solid	0							
2,4,6-Trichlorophenol, Solid	0							
Pyridine, Solid	0							
2-Nitroaniline, Solid	0							
3-Nitroaniline, Solid	0							
4-Nitroaniline, Solid	0							
Carbazole, Solid	0							
3,3'-Dichlorobenzidine, Solid	0							

MS	Matrix Spike	SVS071008A	357681-2		08/09/2008	1313

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Acenaphthene, Solid	40.4497		50	0	81		18-170	
Acenaphthylene, Solid	44.7771		50	0	90		10-150	
Anthracene, Solid	44.2491		50	0	88		10-150	
Benzo(a)anthracene, Solid	45.2111		50	0	90		10-150	
Benzo(b)fluoranthene, Solid	44.6435		50	0	89		10-150	
Benzo(k)fluoranthene, Solid	42.5307		50	0	85		10-150	
Benzo(ghi)perylene, Solid	40.1252		50	0	80		10-150	
Benzo(a)pyrene, Solid	42.4905		50	0	85		10-150	
Butyl Benzyl Phthalate, Solid	43.4126		50	0	87		10-150	
bis(2-chloroethoxy)methane, Solid	40.7297		50	0	81		10-150	
bis(2-Chloroethyl)ether, Solid	34.3046		50	0	69		10-150	
bis(2-chloroisopropyl)ether, Solid	38.1410		50	0	76		10-150	
bis(2-ethylhexyl)phthalate, Solid	50.2620		50	0	101		10-150	
4-Bromophenyl Phenyl Ether, Solid	44.8263		50	0	90		10-150	
4-Chloroaniline, Solid	27.0413		50	0	54		10-150	
2-Chloronaphthalene, Solid	43.4867		50	0	87		10-150	
4-Chlorophenyl Phenyl Ether, Solid	41.3579		50	0	83		10-156	
Chrysene, Solid	42.5784		50	0	85		10-150	
Dibenzo(a,h)anthracene, Solid	42.8115		50	0	86		10-150	
Dibenzofuran, Solid	41.5924		50	0	83		10-150	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002294

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	SVS071008A	357681-2		08/09/2008	1313

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
1,2-Dichlorobenzene, Solid	34.7358		50	0	69		10-150	
1,3-Dichlorobenzene, Solid	33.8031		50	0	68		10-150	
1,4-Dichlorobenzene, Solid	32.9381		50	0	66		32-115	
Diethyl Phthalate, Solid	37.6166		50	0	75		10-150	
Dimethyl Phthalate, Solid	38.1130		50	0	76		10-150	
Di-n-butyl Phthalate, Solid	47.3001		50	0	95		10-150	
Di-n-octyl Phthalate, Solid	48.5554		50	0	97		10-150	
2,4-Dinitrotoluene, Solid	37.6118		50	0	75		10-143	
2,6-Dinitrotoluene, Solid	36.7134		50	0	73		10-150	
Fluoranthene, Solid	47.6265		50	0	95		10-150	
Fluorene, Solid	40.6045		50	0	81		10-150	
Hexachlorobenzene, Solid	47.3626		50	0	95		10-150	
Hexachlorobutadiene, Solid	38.3201		50	0	77		10-150	
Hexachlorocyclopentadiene, Solid	35.0934		50	0	70		10-150	
Hexachloroethane, Solid	33.6437		50	0	67		10-150	
Indeno(1,2,3-cd)pyrene, Solid	41.1752		50	0	82		10-150	
Isophorone, Solid	33.1313		50	0	66		10-150	
2-Methylnaphthalene, Solid	40.4614		50	0	81		10-150	
Naphthalene, Solid	38.7813		50	0	78		10-150	
Nitrobenzene, Solid	36.9091		50	0	74		10-150	
n-Nitrosodi-n-propylamine, Solid	40.0611		50	0	80		22-156	
n-Nitrosodiphenylamine, Solid	38.3967		50	0	77		10-150	
Phenanthrene, Solid	53.0234		50	0	106		10-150	
Pyrene, Solid	40.9341		50	0	82		12-189	
1,2,4-Trichlorobenzene, Solid	36.8532		50	0	74		34-146	
4-Chloro-3-methylphenol, Solid	34.2940		50	0	69		36-149	
2-Chlorophenol, Solid	30.7556		50	0	62		28-117	
2,4-Dichlorophenol, Solid	35.3253		50	0	71		10-117	
2,4-Dimethylphenol, Solid	36.6124		50	0	73		10-150	
2,4-Dinitrophenol, Solid	0		50	0	0		10-150	a
2-Methyl-4,6-dinitrophenol, Solid	9.20326		50	0	18		10-150	
2-Methylphenol (o-Cresol), Solid	33.3121		50	0	67		10-150	
4-Methylphenol (p-Cresol), Solid	36.2291		50	0	72		10-150	
2-Nitrophenol, Solid	38.1153		50	0	76		10-150	
4-Nitrophenol, Solid	20.1159		50	0	40		10-173	
Pentachlorophenol, Solid	8.75026		50	0	18		10-154	
Phenol, Solid	31.8322		50	0	64		29-121	
2,4,5-Trichlorophenol, Solid	28.9652		50	0	58		10-150	
2,4,6-Trichlorophenol, Solid	33.6984		50	0	67		10-150	
Pyridine, Solid	30.4155		50	0	61		10-150	
2-Nitroaniline, Solid	32.7008		50	0	65		10-150	
3-Nitroaniline, Solid	26.3455		50	0	53		10-150	
4-Nitroaniline, Solid	22.6348		50	0	45		10-150	
Carbazole, Solid	45.5199		50	0	91		10-150	
3,3'-Dichlorobenzidine, Solid	35.1613		50	0	70		10-150	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002295

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	SVS071008A	357681-2		08/09/2008	1350

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Acenaphthene, Solid	40.4284	40.4497	50	0	81		18-170	
					0.1		38.0	
Acenaphthylene, Solid	39.8457	44.7771	50	0	80		10-150	
					11.7		40.0	
Anthracene, Solid	44.0582	44.2491	50	0	88		10-150	
					0.4		40.0	
Benzo(a)anthracene, Solid	44.9993	45.2111	50	0	90		10-150	
					0.5		50.0	
Benzo(b)fluoranthene, Solid	43.5226	44.6435	50	0	87		10-150	
					2.5		50.0	
Benzo(k)fluoranthene, Solid	42.8185	42.5307	50	0	86		10-150	
					0.7		50.0	
Benzo(ghi)perylene, Solid	43.7007	40.1252	50	0	87		10-150	
					8.5		50.0	
Benzo(a)pyrene, Solid	42.5767	42.4905	50	0	85		10-150	
					0.2		50.0	
Butyl Benzyl Phthalate, Solid	45.4245	43.4126	50	0	91		10-150	
					4.5		50.0	
bis(2-chloroethoxy)methane, Solid	28.7953	40.7297	50	0	58		10-150	
					34.3		50.0	
bis(2-Chloroethyl)ether, Solid	28.7886	34.3046	50	0	58		10-150	
					17.5		50.0	
bis(2-chloroisopropyl)ether, Solid	29.9367	38.1410	50	0	60		10-150	
					24.1		50.0	
bis(2-ethylhexyl)phthalate, Solid	51.9153	50.2620	50	0	104		10-150	
					3.2		50.0	
4-Bromophenyl Phenyl Ether, Solid	44.9383	44.8263	50	0	90		10-150	
					0.2		50.0	
4-Chloroaniline, Solid	25.4781	27.0413	50	0	51		10-150	
					6.0		50.0	
2-Chloronaphthalene, Solid	35.9444	43.4867	50	0	72		10-150	
					19.0		50.0	
4-Chlorophenyl Phenyl Ether, Solid	45.1410	41.3579	50	0	90		10-156	
					8.7		50.0	
Chrysene, Solid	43.5161	42.5784	50	0	87		10-150	
					2.2		50.0	
Dibenzo(a,h)anthracene, Solid	46.3211	42.8115	50	0	93		10-150	
					7.9		50.0	
Dibenzofuran, Solid	43.8175	41.5924	50	0	88		10-150	
					5.2		50.0	
1,2-Dichlorobenzene, Solid	28.5710	34.7358	50	0	57		10-150	
					19.5		50.0	
1,3-Dichlorobenzene, Solid	27.6845	33.8031	50	0	55		10-150	
					19.9		50.0	
1,4-Dichlorobenzene, Solid	27.4236	32.9381	50	0	55		32-115	
					18.3		34.0	
Diethyl Phthalate, Solid	35.6119	37.6166	50	0	71		10-150	
					5.5		50.0	
Dimethyl Phthalate, Solid	35.9314	38.1130	50	0	72		10-150	
					5.9		50.0	
Di-n-butyl Phthalate, Solid	46.2610	47.3001	50	0	93		10-150	
					2.2		50.0	
Di-n-octyl Phthalate, Solid	49.5737	48.5554	50	0	99		10-150	
					2.1		50.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002296

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	SVS071008A	357681-2		08/09/2008	1350

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
2,4-Dinitrotoluene, Solid	37.4657	37.6118	50	0	75		10-143	
					0.4		45.0	
2,6-Dinitrotoluene, Solid	32.1108	36.7134	50	0	64		10-150	
					13.4		50.0	
Fluoranthene, Solid	48.2470	47.6265	50	0	96		10-150	
					1.3		50.0	
Fluorene, Solid	45.1812	40.6045	50	0	90		10-150	
					10.7		50.0	
Hexachlorobenzene, Solid	46.0879	47.3626	50	0	92		10-150	
					2.7		50.0	
Hexachlorobutadiene, Solid	29.1393	38.3201	50	0	58		10-150	
					27.2		50.0	
Hexachlorocyclopentadiene, Solid	24.6824	35.0934	50	0	49		10-150	
					34.8		50.0	
Hexachloroethane, Solid	27.8776	33.6437	50	0	56		10-150	
					18.7		50.0	
Indeno(1,2,3-cd)pyrene, Solid	43.1510	41.1752	50	0	86		10-150	
					4.7		50.0	
Isophorone, Solid	24.0973	33.1313	50	0	48		10-150	
					31.6		50.0	
2-Methylnaphthalene, Solid	30.5189	40.4614	50	0	61		10-150	
					28.0		50.0	
Naphthalene, Solid	28.8174	38.7813	50	0	58		10-150	
					29.5		50.0	
Nitrobenzene, Solid	27.8343	36.9091	50	0	56		10-150	
					28.0		50.0	
n-Nitrosodi-n-propylamine, Solid	27.7935	40.0611	50	0	56		22-156	
					36.2		38.0	
n-Nitrosodiphenylamine, Solid	37.0118	38.3967	50	0	74		10-150	
					3.7		50.0	
Phenanthrene, Solid	53.4254	53.0234	50	0	107		10-150	
					0.8		50.0	
Pyrene, Solid	42.1052	40.9341	50	0	84		12-189	
					2.8		44.0	
1,2,4-Trichlorobenzene, Solid	27.9778	36.8532	50	0	56		34-146	
					27.4		25.0	r
4-Chloro-3-methylphenol, Solid	32.7612	34.2940	50	0	66		36-149	
					4.6		29.0	
2-Chlorophenol, Solid	22.6708	30.7556	50	0	45		28-117	
					30.3		27.0	r
2,4-Dichlorophenol, Solid	30.5658	35.3253	50	0	61		10-117	
					14.4		50.0	
2,4-Dimethylphenol, Solid	32.3971	36.6124	50	0	65		10-150	
					12.2		50.0	
2,4-Dinitrophenol, Solid	0	0	50	0	0		10-150	a
					0.0		50.0	
2-Methyl-4,6-dinitrophenol, Solid	9.86267	9.20326	50	0	20		10-150	
					6.9		50.0	
2-Methylphenol (o-Cresol), Solid	26.3457	33.3121	50	0	53		10-150	
					23.4		50.0	
4-Methylphenol (p-Cresol), Solid	29.9474	36.2291	50	0	60		10-150	
					19.0		50.0	
2-Nitrophenol, Solid	28.0856	38.1153	50	0	56		10-150	
					30.3		50.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002297

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	SVS071008A	357681-2		08/09/2008	1350

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
4-Nitrophenol, Solid	19.0349	20.1159	50	0	38		10-173	
					5.5		59.0	
Pentachlorophenol, Solid	9.02706	8.75026	50	0	18		10-154	
					3.1		59.0	
Phenol, Solid	24.0836	31.8322	50	0	48		29-121	
					27.7		27.0	r
2,4,5-Trichlorophenol, Solid	32.6635	28.9652	50	0	65		10-150	
					12.0		50.0	
2,4,6-Trichlorophenol, Solid	31.0817	33.6984	50	0	62		10-150	
					8.1		50.0	
Pyridine, Solid	23.8644	30.4155	50	0	48		10-150	
					24.1		50.0	
2-Nitroaniline, Solid	34.1707	32.7008	50	0	68		10-150	
					4.4		50.0	
3-Nitroaniline, Solid	28.4802	26.3455	50	0	57		10-150	
					7.8		50.0	
4-Nitroaniline, Solid	24.7942	22.6348	50	0	50		10-150	
					9.1		50.0	
Carbazole, Solid	46.6590	45.5199	50	0	93		10-150	
					2.5		50.0	
3,3'-Dichlorobenzidine, Solid	33.5111	35.1613	50	0	67		10-150	
					4.8		50.0	

Test Method.....: SW-846 8260B Units.....: ug/L Analyst...: zfl
Method Description.: Volatile Organics Batch(s)...: 402674 403030

LCS	Laboratory Control Sample	VS072108H	402674-1		07/29/2008	1250

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	46.7910		50.00	ND	93.6		68-121	
Bromodichloromethane, Soil	47.0756		50.00	ND	94.2		68-121	
Bromoform, Soil	47.2523		50.00	ND	94.5		47-137	
Bromomethane, Soil	47.9190		50.00	ND	95.8		28-164	
Carbon Tetrachloride, Soil	47.6967		50.00	ND	95.4		59-127	
Chlorobenzene, Soil	50.1380		50.00	ND	100.3		58-133	
Chloroethane, Soil	52.1186		50.00	ND	104.2		30-136	
Chloroform, Soil	53.5393		50.00	ND	107.1		63-126	
Chloromethane, Soil	48.7401		50.00	ND	97.5		21-153	
Dibromochloromethane, Soil	47.8909		50.00	ND	95.8		63-125	
1,4-Dichlorobenzene, Soil	52.9360		50.00	ND	105.9		37-131	
1,1-Dichloroethane, Soil	47.7248		50.00	ND	95.4		65-132	
1,2-Dichloroethane, Soil	44.2633		50.00	ND	88.5		65-124	
1,1-Dichloroethene, Soil	57.7410		50.00	ND	115.5		40-157	
1,2-Dichloroethene (total), Soil	104.094		100.0	ND	104.1		62-130	
cis-1,2-Dichloroethene, Soil	54.8636		50.00	ND	109.7		62-124	
trans-1,2-Dichloroethene, Soil	49.2304		50.00	ND	98.5		65-130	
1,2-Dichloropropane, Soil	47.5972		50.00	ND	95.2		64-116	
Ethylbenzene, Soil	51.3279		50.00	ND	102.7		66-130	
Methylene Chloride, Soil	39.7351		50.00	ND	79.5		46-141	
Styrene, Soil	48.2535		50.00	ND	96.5		62-121	
1,1,2,2-Tetrachloroethane, Soil	52.0296		50.00	ND	104.1		56-132	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002298

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	VS072108H	402674-1		07/29/2008	1250

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Tetrachloroethene, Soil	51.4888		50.00	ND	103.0		65-125	
Toluene, Soil	50.3749		50.00	ND	100.7		66-127	
1,1,1-Trichloroethane, Soil	42.4832		50.00	ND	85.0		75-121	
1,1,2-Trichloroethane, Soil	57.4057		50.00	ND	114.8		68-115	
Trichloroethene, Soil	40.8547		50.00	ND	81.7		63-124	
Vinyl Chloride, Soil	49.7973		50.00	ND	99.6		28-159	
Xylenes (total), Soil	151.744		150.	ND	101.2		37-160	
Acetone, Soil	53.9051		100.0	ND	53.9		38-190	
Carbon Disulfide, Soil	39.6207		50.00	ND	79.2		53-176	
Methyl Ethyl Ketone (2-Butanone), Soil	65.1818		50.00	ND	130.4		42-186	
cis-1,3-Dichloropropene, Soil	44.5732		50.00	ND	89.1		66-129	
trans-1,3-Dichloropropene, Soil	44.2622		50.00	ND	88.5		53-139	
2-Hexanone, Soil	47.8860		100.0	ND	47.9		37-174	
4-Methyl-2-pentanone (MIBK), Soil	51.8178		100.0	ND	51.8		34-150	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS072308C	402674-1		07/29/2008	1340

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	ND							
Bromodichloromethane, Soil	ND							
Bromoform, Soil	ND							
Bromomethane, Soil	ND							
Carbon Tetrachloride, Soil	ND							
Chlorobenzene, Soil	ND							
Chloroethane, Soil	ND							
Chloroform, Soil	ND							
Chloromethane, Soil	ND							
Dibromochloromethane, Soil	ND							
1,4-Dichlorobenzene, Soil	ND							
1,1-Dichloroethane, Soil	ND							
1,2-Dichloroethane, Soil	ND							
1,1-Dichloroethene, Soil	ND							
1,2-Dichloroethene (total), Soil	ND							
cis-1,2-Dichloroethene, Soil	ND							
trans-1,2-Dichloroethene, Soil	ND							
1,2-Dichloropropane, Soil	ND							
Ethylbenzene, Soil	ND							
Methylene Chloride, Soil	ND							
Styrene, Soil	ND							
1,1,2,2-Tetrachloroethane, Soil	ND							
Tetrachloroethene, Soil	ND							
Toluene, Soil	ND							
1,1,1-Trichloroethane, Soil	ND							
1,1,2-Trichloroethane, Soil	ND							
Trichloroethene, Soil	ND							
Vinyl Chloride, Soil	ND							
Xylenes (total), Soil	ND							
Acetone, Soil	ND							
Carbon Disulfide, Soil	ND							
Methyl Ethyl Ketone (2-Butanone), Soil	ND							
cis-1,3-Dichloropropene, Soil	ND							
trans-1,3-Dichloropropene, Soil	ND							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002299

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS072308C	402674-1		07/29/2008	1340

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
2-Hexanone, Soil	ND							
4-Methyl-2-pentanone (MIBK), Soil	ND							

MS	Matrix Spike	VS072308E	357621-5		07/29/2008	1520

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	50.1841		50.00	ND	100		65-135	
Bromodichloromethane, Soil	45.6556		50.00	ND	91		60-140	
Bromoform, Soil	47.8328		50.00	ND	96		60-140	
Bromomethane, Soil	74.0629		50.00	ND	148		60-140	A
Carbon Tetrachloride, Soil	45.8513		50.00	ND	92		60-140	
Chlorobenzene, Soil	50.1574		50.00	ND	100		65-135	
Chloroethane, Soil	72.4334		50.00	ND	145		60-140	A
Chloroform, Soil	48.3121		50.00	ND	97		60-140	
Chloromethane, Soil	96.3808		50.00	ND	193		60-140	A
Dibromochloromethane, Soil	51.1812		50.00	ND	102		60-140	
1,4-Dichlorobenzene, Soil	53.1247		50.00	ND	106		60-140	
1,1-Dichloroethane, Soil	47.3632		50.00	ND	95		60-140	
1,2-Dichloroethane, Soil	47.1954		50.00	ND	94		60-140	
1,1-Dichloroethene, Soil	51.5801		50.00	ND	103		65-135	
1,2-Dichloroethene (total), Soil	99.1074		100.0	ND	99		60-140	
cis-1,2-Dichloroethene, Soil	44.0022		50.00	ND	88		60-140	
trans-1,2-Dichloroethene, Soil	55.1053		50.00	ND	110		60-140	
1,2-Dichloropropane, Soil	44.4753		50.00	ND	89		60-140	
Ethylbenzene, Soil	47.1429		50.00	ND	94		60-140	
Methylene Chloride, Soil	42.3589		50.00	ND	85		60-140	
Styrene, Soil	47.5596		50.00	ND	95		60-140	
1,1,2,2-Tetrachloroethane, Soil	52.2640		50.00	ND	105		60-140	
Tetrachloroethene, Soil	50.4596		50.00	ND	101		60-140	
Toluene, Soil	49.7617		50.00	ND	100		64-135	
1,1,1-Trichloroethane, Soil	42.3757		50.00	ND	85		60-140	
1,1,2-Trichloroethane, Soil	52.8767		50.00	ND	106		60-140	
Trichloroethene, Soil	44.0209		50.00	ND	88		61-135	
Vinyl Chloride, Soil	86.8945		50.00	ND	174		60-140	A
Xylenes (total), Soil	149.409		150.0	ND	100		60-140	
Acetone, Soil	60.6271		50.00	ND	121		60-140	
Carbon Disulfide, Soil	74.6445		50.00	ND	149		60-140	A
Methyl Ethyl Ketone (2-Butanone), Soil	66.6716		50.00	ND	133		60-140	
cis-1,3-Dichloropropene, Soil	46.8541		50.00	ND	94		60-140	
trans-1,3-Dichloropropene, Soil	49.6669		50.00	ND	99		60-140	
2-Hexanone, Soil	48.7394		50.00	ND	97		60-140	
4-Methyl-2-pentanone (MIBK), Soil	58.7587		50.00	ND	118		60-140	

MSD	Matrix Spike Duplicate	VS072308E	357621-6		07/29/2008	1545

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	48.0757	50.1841	50.00	ND	96		65-135	
					4.3		30.0	
Bromodichloromethane, Soil	48.3633	45.6556	50.00	ND	97		60-140	
					5.8		30.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002300

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	VS072308E	357621-6		07/29/2008	1545

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromoform, Soil	46.5133	47.8328	50.00	ND	93		60-140	
					2.8		30.0	
Bromomethane, Soil	78.5429	74.0629	50.00	ND	157		60-140	A
					5.9		30.0	
Carbon Tetrachloride, Soil	48.3662	45.8513	50.00	ND	97		60-140	
					5.3		30.0	
Chlorobenzene, Soil	52.1877	50.1574	50.00	ND	104		65-135	
					4.0		30.0	
Chloroethane, Soil	74.8841	72.4334	50.00	ND	150		60-140	A
					3.3		30.0	
Chloroform, Soil	52.8740	48.3121	50.00	ND	106		60-140	
					9.0		30.0	
Chloromethane, Soil	100.404	96.3808	50.00	ND	201		60-140	A
					4.1		30.0	
Dibromochloromethane, Soil	46.0276	51.1812	50.00	ND	92		60-140	
					10.6		30.0	
1,4-Dichlorobenzene, Soil	53.2412	53.1247	50.00	ND	106		60-140	
					0.2		30.0	
1,1-Dichloroethane, Soil	52.7714	47.3632	50.00	ND	106		60-140	
					10.8		30.0	
1,2-Dichloroethane, Soil	54.0787	47.1954	50.00	ND	108		60-140	
					13.6		30.0	
1,1-Dichloroethene, Soil	52.7766	51.5801	50.00	ND	106		65-135	
					2.3		30.0	
1,2-Dichloroethene (total), Soil	105.044	99.1074	100.0	ND	105		60-140	
					5.8		30.0	
cis-1,2-Dichloroethene, Soil	48.2795	44.0022	50.00	ND	97		60-140	
					9.3		30.0	
trans-1,2-Dichloroethene, Soil	56.7646	55.1053	50.00	ND	114		60-140	
					3.0		30.0	
1,2-Dichloropropane, Soil	48.9170	44.4753	50.00	ND	98		60-140	
					9.5		30.0	
Ethylbenzene, Soil	50.8043	47.1429	50.00	ND	102		60-140	
					7.5		30.0	
Methylene Chloride, Soil	43.2726	42.3589	50.00	ND	87		60-140	
					2.1		30.0	
Styrene, Soil	48.2003	47.5596	50.00	ND	96		60-140	
					1.3		30.0	
1,1,2,2-Tetrachloroethane, Soil	49.8461	52.2640	50.00	ND	100		60-140	
					4.7		30.0	
Tetrachloroethene, Soil	51.9519	50.4596	50.00	ND	104		60-140	
					2.9		30.0	
Toluene, Soil	50.9560	49.7617	50.00	ND	102		64-135	
					2.4		30.0	
1,1,1-Trichloroethane, Soil	47.2926	42.3757	50.00	ND	95		60-140	
					11.0		30.0	
1,1,2-Trichloroethane, Soil	51.6667	52.8767	50.00	ND	103		60-140	
					2.3		30.0	
Trichloroethene, Soil	38.2298	44.0209	50.00	ND	76		61-135	
					14.1		30.0	
Vinyl Chloride, Soil	90.0119	86.8945	50.00	ND	180		60-140	A
					3.5		30.0	
Xylenes (total), Soil	154.878	149.409	150.0	ND	103		60-140	
					3.6		30.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002301

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	VS072308E	357621-6		07/29/2008	1545

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Acetone, Soil	52.9937	60.6271	50.00	ND	106		60-140	
					13.4		30.0	
Carbon Disulfide, Soil	79.5164	74.6445	50.00	ND	159		60-140	A
					6.3		30.0	
Methyl Ethyl Ketone (2-Butanone), Soil	58.9687	66.6716	50.00	ND	118		60-140	
					12.3		30.0	
cis-1,3-Dichloropropene, Soil	42.1812	46.8541	50.00	ND	84		60-140	
					10.5		30.0	
trans-1,3-Dichloropropene, Soil	48.6466	49.6669	50.00	ND	97		60-140	
					2.1		30.0	
2-Hexanone, Soil	45.1165	48.7394	50.00	ND	90		60-140	
					7.7		30.0	
4-Methyl-2-pentanone (MIBK), Soil	52.3592	58.7587	50.00	ND	105		60-140	
					11.5		30.0	

LCS	Laboratory Control Sample	VS072808H			08/04/2008	1422

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	45.5945		50.00	ND	91.2		68-127	
Bromodichloromethane, Water	43.0394		50.00	ND	86.1		64-129	
Bromoform, Water	45.5718		50.00	ND	91.1		45-147	
Bromomethane, Water	34.3216		50.00	ND	68.6		32-143	
Carbon Tetrachloride, Water	54.3758		50.00	ND	108.8		54-140	
Chlorobenzene, Water	51.5790		50.00	ND	103.2		65-129	
Chloroethane, Water	33.5245		50.00	ND	67.0		47-157	
Chloroform, Water	52.2964		50.00	ND	104.6		71-131	
Chloromethane, Water	35.4671		50.00	ND	70.9		22-160	
Dibromochloromethane, Water	47.5631		50.00	ND	95.1		64-131	
1,4-Dichlorobenzene, Water	48.8352		50.00	ND	97.7		46-142	
1,1-Dichloroethane, Water	45.9363		50.00	ND	91.9		62-138	
1,2-Dichloroethane, Water	44.0104		50.00	ND	88.0		65-133	
1,1-Dichloroethene, Water	52.4742		50.00	ND	104.9		48-147	
1,2-Dichloroethene (total), Water	94.4473		100.0	ND	94.4		61-130	
cis-1,2-Dichloroethene, Water	47.8566		50.00	ND	95.7		61-129	
trans-1,2-Dichloroethene, Water	46.5908		50.00	ND	93.2		73-138	
1,2-Dichloropropane, Water	45.0950		50.00	ND	90.2		60-124	
Ethylbenzene, Water	48.8121		50.00	ND	97.6		64-132	
Methylene Chloride, Water	40.5197		50.00	ND	81.0		54-133	
Styrene, Water	50.6269		50.00	ND	101.3		60-140	
1,1,2,2-Tetrachloroethane, Water	43.5543		50.00	ND	87.1		70-130	
Tetrachloroethene, Water	53.8253		50.00	ND	107.7		59-134	
Toluene, Water	48.9169		50.00	ND	97.8		63-127	
1,1,1-Trichloroethane, Water	50.4627		50.00	ND	100.9		70-130	
1,1,2-Trichloroethane, Water	48.0813		50.00	ND	96.2		70-130	
Trichloroethene, Water	50.1165		50.00	ND	100.2		64-130	
Vinyl Chloride, Water	49.7256		50.00	ND	99.5		35-155	
Xylenes (total), Water	148.106		150.	ND	98.7		37-161	
Acetone, Water	100.277		100.0	ND	100.3		60-140	
Carbon Disulfide, Water	58.3971		50.00	ND	116.8		68-158	
Methyl Ethyl Ketone (2-Butanone), Water	90.5818		100.0	ND	90.6		38-186	
cis-1,3-Dichloropropene, Water	46.5103		50.00	ND	93.0		66-130	
trans-1,3-Dichloropropene, Water	51.2890		50.00	ND	102.6		71-139	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002302

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	VS072808H			08/04/2008	1422

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
2-Hexanone, Water	96.0075		100.0	ND	96.0		29-173	
4-Methyl-2-pentanone (MIBK), Water	106.325		100.0	ND	106.3		40-144	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS072308C		20.00000	08/04/2008	1512

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	ND			ND				
Bromodichloromethane, Water	ND			ND				
Bromoform, Water	ND			ND				
Bromomethane, Water	ND			ND				
Carbon Tetrachloride, Water	ND			ND				
Chlorobenzene, Water	ND			ND				
Chloroethane, Water	ND			ND				
Chloroform, Water	ND			ND				
Chloromethane, Water	ND			ND				
Dibromochloromethane, Water	ND			ND				
1,4-Dichlorobenzene, Water	ND			ND				
1,1-Dichloroethane, Water	ND			ND				
1,2-Dichloroethane, Water	ND			ND				
1,1-Dichloroethene, Water	ND			ND				
1,2-Dichloroethene (total), Water	ND			ND				
cis-1,2-Dichloroethene, Water	ND			ND				
trans-1,2-Dichloroethene, Water	ND			ND				
1,2-Dichloropropane, Water	ND			ND				
Ethylbenzene, Water	ND			ND				
Methylene Chloride, Water	ND			ND				
Styrene, Water	ND			ND				
1,1,2,2-Tetrachloroethane, Water	ND			ND				
Tetrachloroethene, Water	ND			ND				
Toluene, Water	ND			ND				
1,1,1-Trichloroethane, Water	ND			ND				
1,1,2-Trichloroethane, Water	ND			ND				
Trichloroethene, Water	ND			ND				
Vinyl Chloride, Water	ND			ND				
Xylenes (total), Water	ND			ND				
Acetone, Water	ND			ND				
Carbon Disulfide, Water	ND			ND				
Methyl Ethyl Ketone (2-Butanone), Water	ND			ND				
cis-1,3-Dichloropropene, Water	ND			ND				
trans-1,3-Dichloropropene, Water	ND			ND				
2-Hexanone, Water	ND			ND				
4-Methyl-2-pentanone (MIBK), Water	ND			ND				

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS072308C			08/04/2008	1537

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	ND							
Bromodichloromethane, Water	ND							
Bromoform, Water	ND							
Bromomethane, Water	ND							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002303

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	VS072308C			08/04/2008	1537

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Carbon Tetrachloride, Water	ND							
Chlorobenzene, Water	ND							
Chloroethane, Water	ND							
Chloroform, Water	ND							
Chloromethane, Water	ND							
Dibromochloromethane, Water	ND							
1,4-Dichlorobenzene, Water	ND							
1,1-Dichloroethane, Water	ND							
1,2-Dichloroethane, Water	ND							
1,1-Dichloroethene, Water	ND							
1,2-Dichloroethene (total), Water	ND							
cis-1,2-Dichloroethene, Water	ND							
trans-1,2-Dichloroethene, Water	ND							
1,2-Dichloropropane, Water	ND							
Ethylbenzene, Water	ND							
Methylene Chloride, Water	ND							
Styrene, Water	ND							
1,1,2,2-Tetrachloroethane, Water	ND							
Tetrachloroethene, Water	ND							
Toluene, Water	ND							
1,1,1-Trichloroethane, Water	ND							
1,1,2-Trichloroethane, Water	ND							
Trichloroethene, Water	ND							
Vinyl Chloride, Water	ND							
Xylenes (total), Water	ND							
Acetone, Water	ND							
Carbon Disulfide, Water	ND							
Methyl Ethyl Ketone (2-Butanone), Water	ND							
cis-1,3-Dichloropropene, Water	ND							
trans-1,3-Dichloropropene, Water	ND							
2-Hexanone, Water	ND							
4-Methyl-2-pentanone (MIBK), Water	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	VS072308E	358096-1	20.00000	08/04/2008	1653

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, TCLP	47.1864		50.00	ND	94		63-123	
Carbon Tetrachloride, TCLP	53.5487		50.00	ND	107		21-138	
Chlorobenzene, TCLP	51.1231		50.00	ND	102		61-126	
Chloroform, TCLP	50.5094		50.00	ND	101		67-136	
1,4-Dichlorobenzene, TCLP	50.6675		50.00	ND	101		58-128	
1,2-Dichloroethane, TCLP	44.4752		50.00	ND	89		66-135	
1,1-Dichloroethene, TCLP	53.9270		50.00	ND	108		33-130	
Tetrachloroethene, TCLP	54.1931		50.00	ND	108		40-134	
Trichloroethene, TCLP	48.0634		50.00	ND	96		43-127	
Vinyl Chloride, TCLP	22.7907		50.00	ND	46		9-158	
Methyl Ethyl Ketone (2-Butanone), TCLP	57.4746		50.00	ND	115		9-157	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002304

QUALITY CONTROL RESULTS

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	VS072308E	358096-1	20.00000	08/04/2008	1718

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, TCLP	49.6063	47.1864	50.00	ND	99		63-123	
					5.0		30.0	
Carbon Tetrachloride, TCLP	58.8652	53.5487	50.00	ND	118		21-138	
					9.5		30.0	
Chlorobenzene, TCLP	55.2941	51.1231	50.00	ND	111		61-126	
					7.8		30.0	
Chloroform, TCLP	56.3307	50.5094	50.00	ND	113		67-136	
					10.9		30.0	
1,4-Dichlorobenzene, TCLP	54.3052	50.6675	50.00	ND	109		58-128	
					6.9		30.0	
1,2-Dichloroethane, TCLP	47.6512	44.4752	50.00	ND	95		66-135	
					6.9		30.0	
1,1-Dichloroethene, TCLP	55.8289	53.9270	50.00	ND	112		33-130	
					3.5		30.0	
Tetrachloroethene, TCLP	59.2047	54.1931	50.00	ND	118		40-134	
					8.8		30.0	
Trichloroethene, TCLP	53.9559	48.0634	50.00	ND	108		43-127	
					11.6		30.0	
Vinyl Chloride, TCLP	24.4147	22.7907	50.00	ND	49		9-158	
					6.9		30.0	
Methyl Ethyl Ketone (2-Butanone), TCLP	54.9493	57.4746	50.00	ND	110		9-157	
					4.5		30.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPAHO104002305

SURROGATE RECOVERIES REPORT

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 403030 Test Matrix...: Water Equipment Code: GCMSVOA05

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
402902--21	MB		08/04/2008	79.4	81.2	75.1	80.8
403030--21	LCS		08/04/2008	97.5	81.8	86.0	92.1
403030--21	MB		08/04/2008	80.0	81.1	81.0	84.2

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFLM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 402674 Test Matrix...: Soil Equipment Code: GCMSVOA05

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
357621- 5	MS	HA-11 (4-5) MS	07/29/2008	83.4	95.7	90.3	89.4
357621- 6	MSD	HA-11 (4-5) MSD	07/29/2008	72.3	85.2	86.5	80.3
402674- 1	LCS		07/29/2008	101.4	101.4	103.3	102.7
402674- 1	MB		07/29/2008	82.8	85.6	74.9	82.9

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	61 - 130
BRFLBE	4-Bromofluorobenzene	57 - 140
DBRFLM	Dibromofluoromethane	68 - 130
TOLD8	Toluene-d8	50 - 130

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 402674 Test Matrix...: Solid Equipment Code: GCMSVOA05

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
357682- 1		#2 FST PASTE	07/29/2008	88.5	84.0	68.1	62.2

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	61 - 130
BRFLBE	4-Bromofluorobenzene	57 - 140
DBRFLM	Dibromofluoromethane	68 - 130
TOLD8	Toluene-d8	50 - 130

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 403030 Test Matrix...: TCLP Equipment Code: GCMSVOA05

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
357682- 1		#2 FST PASTE	08/04/2008	83.2	84.5	78.9	86.2
358096- 1	MS	RB032019	08/04/2008	81.4	79.6	74.0	80.0
358096- 1	MSD	RB032019	08/04/2008	84.1	82.8	81.3	86.3

EPAHO104002306

SURROGATE RECOVERIES REPORT

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: 483648 PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 403030 Test Matrix...: TCLP Equipment Code: EGCMS04

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4	70 - 130
BRFLBE	4-Bromofluorobenzene	70 - 130
DBRFLM	Dibromofluoromethane	70 - 130
TOLD8	Toluene-d8	70 - 130

EPAHO104002307

S U R R O G A T E R E C O V E R I E S R E P O R T

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: 483648 PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 402476
Batch(s).....: 403366 Test Matrix...: Solid Equipment Code: EGCMS04

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND6	TERD14
357681- 2	MS	L2 CUTTER END STRANDS	08/09/2008	58.7	90.8	56.1	73.9	60.8	87.9
357681- 2	MSD	L2 CUTTER END STRANDS	08/09/2008	52.8	71.7	40.6	56.1	45.1	88.6
357682- 1		#2 FST PASTE	08/09/2008	12.4d	65.9	45.0	58.3	46.1	70.5
402476--21	LCS		08/09/2008	101.1	91.4	84.8	86.5	88.1	97.2
402476--21	MB		08/09/2008	58.7	78.1	76.4	78.4	79.1	100.4

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol	19 - 122
2FLUBP	2-Fluorobiphenyl	30 - 115
2FLUPH	2-Fluorophenol	25 - 121
NITRD5	Nitrobenzene-d5	23 - 120
PHEND6	Phenol-d6	24 - 113
TERD14	Terphenyl-d14	18 - 137

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 402966
Batch(s).....: 403211 Test Matrix...: TCLP Equipment Code: EGCMS04

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND6	TERD14
357682- 1		#2 FST PASTE	08/06/2008	90.4	91.1	56.6	84.2	50.5	73.2
402966--21	LCD		08/06/2008	89.6	78.6	48.5	80.7	35.0	78.6
402966--21	LCS		08/06/2008	92.1	76.7	52.8	81.2	38.0	76.2
402966--21	MB		08/07/2008	77.0	73.6	46.0	80.5	34.0	61.0
402966--21	PB		08/06/2008	88.8	70.8	43.7	71.8	35.1	68.7
402966--21	PB		08/07/2008	64.2	64.7	35.7	69.8	24.9	69.7
402966--21	PB		08/06/2008	86.5	82.2	53.4	85.1	42.3	78.6

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol	10 - 123
2FLUBP	2-Fluorobiphenyl	43 - 116
2FLUPH	2-Fluorophenol	21 - 100
NITRD5	Nitrobenzene-d5	35 - 114
PHEND6	Phenol-d6	10 - 94
TERD14	Terphenyl-d14	33 - 141

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SURROGATE RECOVERIES REPORT

Job Number.: 357682 Report Date.: 01/20/2009

CUSTOMER: 483648 PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Method.....: Direct Analytical TPH Method TX 1005 Method Code...: TX1005 Prep Batch....: 402578
Batch(s).....: 402664 Test Matrix...: Soil Equipment Code: EXTGC12

Lab ID	DT	Sample ID	Date	OTERPH
402578--21	LCD		07/29/2008	93.71
402578--21	LCS		07/29/2008	91.18
402578--21	MB		07/29/2008	91.15

Test	Test Description	Limits
OTERPH	o-Terphenyl	70 - 130

Method.....: Direct Analytical TPH Method TX 1005 Method Code...: TX1005 Prep Batch....: 402578
Batch(s).....: 402664 Test Matrix...: Solid Equipment Code: EXTGC12

Lab ID	DT	Sample ID	Date	OTERPH
357681- 2	MS	L2 CUTTER END STRANDS	07/29/2008	97.44
357681- 2	MSD	L2 CUTTER END STRANDS	07/29/2008	96.17
357682- 1		#2 FST PASTE	07/29/2008	79.27

Test	Test Description	Limits
OTERPH	o-Terphenyl	70 - 130

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REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
3) According to 40CFR Part 136.3, pH, Chlorine Residual, and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field,(e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.
4) For all USACE projects, the QC limits are based on "mean +/- 2 sigma", which are the warning limits.

General Information:

- Cresylic Acid is the combination of o,m and p-Cresol. The combination is reportesd as the final result.
- m-Cresol (3-Methylphenol) and p-Cresol (4-methylphenol) co-elute. The result of the two is reported as either m&p-cresol or as 4-methylphenol (p-cresol).
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, may be detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- Trimethysilyl(Diazomethane) is used to esterify acid herbicides in Method SW-846 8151A.
- For Inorganic analyses, duplicate QC limits are determined as follows: If the sample result is less than or equal to 5 times the reporting limit, the RPD limit is equal to the reporting limit. If the sample result is greater than 5 times the reporting limit, the RPD limit is the method defined RPD.
- For TRRP reports, the header on the column RL is equivalent to a MQL/PQL.
- Results for LCS and MS/MSD recoveries listed in the report are reported as ug/L on-column values which are not corrected for variables such as sample volumes or weights extracted, final volume of extracts and dilutions. To correct QC on-column recoveries to reflect actual spiking volumes for soils, mutltiply the values reported for Diesel Range Organics and Semivolatiles by 33.3 and Gasoline Range Organics by 20. The 8260 and 1006 results will not require correction. The only corection required for water analysis is for method 1006 where the reported concentraiton must be multiplied by 0.1.
- Due to limitiation of the reporting software, results for the Method blank in the Semivolatile fraction are reported as "0". Which indicates there was no compound detected at the reporting limit for the compound reveiwed.
- The dilution factor listed on the report represents only the analytical dilutions necessary for the target compounds to be within the calibration range of the instrument. It does not include any preparation factors, dry weight or any other adjustment.

Explanation of Qualifiers:

U - This qualifier indicates that the analyte was analyzed but not detected.
J - (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the MDL.
B - (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
N - (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic charachterization of a TIC, such as "chlorinated hydrocarbon", the "N" flag is not used.

Explanation of General QC Outliers:

A - Matrix interference present in sample.
a - MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
b - Target analyte was found in the method blank.
M - QC sample analysis yielded recoveries outside QC acceptance criteria. This sample was reanalyzed.
L - LCS analysis yielded high recoveries, indicating a potential high bias. No target analytes were

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observed above the RL in the associated samples.
G - Marginal outlier within 1% of acceptance criteria.
r - RPD value is outside method acceptance criteria.
C - Poor RPD values observed due to the non-homogenous nature of the sample.
O - Sample required dilution due to matrix interference.
D - Sample reported from a dilution.
d - Spike and/or surrogate diluted.
E - The reported concentration exceeds the instrument calibration.
F - The analyte is outside QC limits and was not detected in any associated samples in the analytical batch.
H - Continuing Calibration Verification (CCV) standard is not associated with the samples reported.
q - See the subcontract final report for qualifier explanation.
W - The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
K - High recovery will not affect the quality of reported results.
Z - See case narrative.

Explanation of Organic QC Outliers:

e - Method blank analysis yielded phthalate concentrations above the RL. Phthlates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
S - Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.
T - Sample analysis yielded poor surrogate recovery.
R - The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 8000B.
I - The RPD between the two GC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.
X - Gaseous compound. In-house QC limits are advisory.
Y - Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
f - Surrogate not associated with reported analytes.

Explanation of Inorganic QC Outliers:

Q - Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
V - The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.
e - Serial dilution failed due to matrix interference.
g - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficent for the MSA is greater than or equal to 0.995.
s - BOD/cBOD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
l - BOD/cBOD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.
N - Spiked sample recovery is not within control limits.
n - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.
* - Duplicate analysis is not within control limits.

Abbreviations:

Batch - Designation given to identify a specific extraction, digestion, preparation, or analysis set.
CCV - Continuing Calibration Verification
CRA - Low level standard check - GFAA, Mercury
CRI - Low level standard check - ICP
Dil Fac - Dilution Factor - Secondary dilution analysis

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DLFac - Detection Limit Factor
DU - Duplicate
EB - Extraction Blank (TCLP, SPLP, etc.)
ICAL - Initial Calibration
ICB - Initial Calibration Blank
ICV - Initial Calibration Verification
ISA - Interference Check Sample A - ICP
ISB - Interference Check Sample B - ICP
LCD - Laboratory Control Duplicate
LCS - Laboratory Control Sample
MB - Method Blank
MD - Method Duplicate
MDL - Method Detection Limit
MQL - Method Quantitation Limit (TRRP)
MS - Matrix Spike
MSD - Matrix Spike Duplicate
ND - Not Detected
PB - Preparation Blank
PREPF - Preparation Factor
RL - Reporting Limit
RPD - Relative Percent Difference
RRF - Relative Response Factor
RT - Retention Time
SQL - Sample Quantitation Limit (TRRP)
TIC - Tentatively Identified Compound

Method References:

(1) EPA 600/4-79-020 Methods for the Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-94-111 Methods for the Determination of MEtals in Environmental Samples, Supplement I, May 1994.
(3) EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I July 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December 1996, Update IVA January 1998, Update IVB November 2000.
(4) Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989), 18th Edition (1992), 19th Edition (1995), 20th Edition (1998).
(5) HACH Water Analysis Handbook 3rd Edition (1997).
(6) Federal Register, July 1, 1990 (40 CFR Part 136 Appendix A).
(7) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.

(9) Diagnosis and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, United States Department of Agriculture, 1954.

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LABORATORY CHRONICLE

Job Number: 357682 Date: 01/20/2009

CUSTOMER: Noltex LLC PROJECT: 2 FST PASTE 7-21 ATTN: Joy Snodgrass

Lab ID: 357682-1 Client ID: #2 FST PASTE Date Recvd: 07/24/2008 Sample Date: 07/21/2008

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3010A	Acid Digestion Extracts FLAA/ICP TCLP	1	402930		08/04/2008	0835	
TNRCC 1005	Direct Analytical TPH Method TX 1005	1	402664	402578	07/29/2008	1149	1.0000
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP	1	402966		08/04/2008	0820	
SW-846 3550B	Extraction (Ultrasonic) SVOCs	1	402476		07/25/2008	0800	
ASTM D92-85	Flash & Fire Points (Cleveland Open Cup)	1	403540		08/13/2008	1330	
	GC Microextraction Technique	1	403557		08/13/2008	0900	
SW-846 7470A	Mercury (CVAA)	1	402945	402904	08/04/2008	1332	
SW-846 7470A	Mercury Preparation (CVAA) TCLP	1	402904		08/04/2008	0752	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	403058	402930	08/05/2008	0925	
SW-846 8015B	Method 8015 Non-Halogenated Organics	1	403556		08/13/2008	1437	1000
SW-846 8270C	Semivolatile Organics	1	403211	402966	08/06/2008	2022	2.00000
SW-846 8270C	Semivolatile Organics	1	403366	402476	08/09/2008	1426	2.00000
SW-846 9045C	Soil pH measured in water	1	402869		08/01/2008	1245	
SW-846 1311	TCLP Zero Headspace Extraction	1	402902		08/01/2008	1500	
TNRCC TX-1005	TNRCC 1005 Extraction (Ultrasonic)	1	402578		07/29/2008	0830	
SW-846 1311	Toxicity Characteristic Leachate Proced.	1	402901		08/01/2008	1500	
SW-846 8260B	Volatile Organics	1	402674		07/29/2008	1751	2.00000
SW-846 8260B	Volatile Organics	1	403030	402902	08/04/2008	1628	20.0000

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35762

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY RECORD

TestAmerica Laboratories, Inc.

Customer Information		Project Information		Analysis/Methods			
PO:		Project Name:	**Waste Disposal**	A	TCLP-Volatiles (8260)	K	
WO:		TAL Project No:	**99007950**	B	TCLP-Semivolatiles (8270)	L	
Company:	Noltex, LLC	Bill To:	Noltex, LLC	C	TCLP-Metals(6010/7471)	M	
Report to:	Joy Snodgrass	Invoice ATTN:	Joy Snodgrass	D	Total VOCs: TCL (8260)	N	
Address:	12220 Strang Road	Address:	12220 Strang Road	E	Total SVOCs: TCL (8270)	O	
	La Porte, TX 77571-9740		La Porte, TX 77571-9740	F	TPH (TX1005)	P	
				G		Q	
E-mail:	Joy_Snodgrass@noltex.com		Joy_Snodgrass@noltex.com	H		R	
Phone:	281-842-5039	Phone:	281-842-5039	I		Other:	
Fax:	281-842-5097	Fax:	281-842-5097	J			

No.	Sample Description	Preservation	Date	Time	Matrix	# Cont.	Comments	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	#2 FST Paste	NONE	7/21/08	2pm	Solid	82		X	X	X	X	X	X	X											
2		~~NaOH/HCl~~			~~Water~~	11		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~											
3																									
4																									
5																									
6																									
7																									
8																									

Sampler: | Shipment Method: TAL Pickup | Required TAT: 24-h 48-h 72-h 5 Days 10 Days Other:

1. Relinquished by:	Date:	2. Received by:	Date:	3. Relinquished by:	Date:	4. Received by:	Date:
Joy Snodgrass	7/24/08		7-24-08		7-24-08		7/24/08
Company: NOLTEX	Time: 10:34 AM	Company: FTZ	Time: 10:34	Company: FTZ	Time: 14:55	Company:	Time: 15:45
5. Relinquished by:	Date:	6. Received by:	Date:	7. Relinquished by:	Date:	8. Received by:	Date:
Company:	Time:	Company:	Time:	Company:	Time:	Company:	Time:

Comments/Notes:

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rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 357682 Location.: 57216 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: 07/24/2008 Date of the Report..: 07/24/2008
Project Number.: 99007950 Project Description.: Noltex Waste Project Manager.....: nar
Customer.....: Noltex LLC Contact.: Joy Snodgrass

Questions ?	(Y/N)	Comments
Chain of Custody Received?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples chilled?	Y	
Temperature of cooler acceptable? (<=6 Deg C).	Y	2.5
...If "no", is sample an air matrix?(no temp req.)		
Thermometer ID	Y	464
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)	Y	
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?		
Radioactivity at or below background levels?		
Additional		
Comments	Y	MT
Sample Custodian Signature/Date		

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3162
Mitsui USA

EPAHO104002316

7 E
8-4-09
CAB
T-35

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **1/21/2009**

Dear **Kathy Rayburn**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3162

Expiration Date 1/21/2011

Generator: Mitsui USA @ Palmer Logistics
Address: 1020 Lockwood
Houston, TX 77020

Waste Information

Name of Waste: Samples from Lab
TCEQ Waste Code #: CESQ3191
Container Type:
Detailed Description of Process Generating Waste:
Disposal of samples from in house laboratory.

Color: varies **Odor:** varies **pH:** 5-9
Physical State:
Incompatibilities: SEE MSDS
Safety Related Data/Special Handling:
STANDARD

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

Waste Material
Class 1 solids
Dump to not create Dust cloud
DB

Make folder #3162

JB
GB

This is the only one I need today - If you call when U-R-Done with it - I will come pick it back up to take to Probawher.

CES Environmental Services, Inc.

☑ CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948	☐ CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585

SECTION 1: Generator Information

Company: Mitsui @ Palmer Logistics
Address: 1040 Lockwood Drive
City: Houston **State:** TX **Zip:** 77020
Contact: MJ Gonzales **Title:**
Phone Number: 713-860-0337 **Fax Number:**
24/hr Phone Number: 713-676-1676
US EPA ID No: TXCESQG
State ID No: CESQG **SIC Code:**

SECTION 2: Billing Information - ☐ **Same as Above**

Company: Mitsui Plastics Inc
Address: 1300 Post Oak Blvd, Suite 1700
City: Houston **State:** TX **Zip:** 77056
Contact: Margaret Garza **Title:**
Phone Number: 713-236-6292 **Fax Number:** 713-759-1517

SECTION 3: General Description of the Waste

Name of Waste: Samples from Lab
Detailed Description of Process Generating Waste:

Disposal of Samples from in house laboratory.

Physical State: ☐ Liquid ☐ Sludge ☑ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Varies **Odor:** Varies

Specific Gravity (water=1): Varies **Density:** Varies lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No
Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☑ Monthly ☐ Yearly ☐ One-Time
Quantity: 10

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: CESQ3191

Proper US DOT Shipping Name: Non-RCRA, Non-DOT Regulated Material
Class: N/A UN/NA: N/A PG : N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	5-9	BRL mg/l	BRL mg/l	100 %

Oil & Grease	TOC	Zinc	Copper	Nickel
N/A mg/l	BRL mg/l	BRL mg/l	BRL mg/l	BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
MHT-PD	0-100	%
SANOL LS - 770	0-100	%
NC - 4	0-100	%
KM - 1500	0-100	%
KR -50M	0-100	%

SECTION 5: Safety Related Data
If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

SEE MSDS

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	Not Regulated
TCLP Volatiles:	Not Regulated
TCLP Semi-Volatiles:	Not Regulated
Reactivity:	Non-Reactive
Corrosivity:	Non-Corrosive
Ignitability:	>200

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

***Organics Subcategory*: Subpart C**

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 1-15-09

Printed Name/Title: Koji Kakihuma / General Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 1-21-09 ☑ Approved ☐ Rejected

Approval Number: 3162

~~Service~~

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

#100/DM

~~charge for OP~~
trans #350

2. Contamination Limit (maximum limit before surchages apply):

All drums are solid material

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Class 1 solids box – Avoid acids – Dump drum solids carefully to avoid dust clouds

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

~~Bulk to System 1 or 2~~ ~~Class 1 solids~~
Not a product – this is a Waste

Bill D

H&H oil

[redacted]

Water Recovery

EPAHO104002325

First issue : October 16, 2000
Publication date : November 16, 2001

Class II M
Solid

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

1 Bag x 44165

MHT-PD

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : MHT-PD
Synonym(s) : Magnesium Aluminum Hydroxide Carbonate

MANUFACTURER
Company Name : Kyowa Chemical Industry Co., Ltd.
Address : 4035 Hayashida-cho, Sakaide, Kagawa, 762-0012, Japan
Telephone No. +81(0)877-47-0011

EMERGENCY TELEPHONE NUMBER

Kyowa Chemical Industry. Co., Ltd.
Telephone No. +81-(0)877-47-2500 (Research & Development Dept.)
8:00 am – 4:30 pm Japan Time

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Wt%	CAS registry#
Magnesium Aluminum Hydroxide Carbonate	95~100	11097-59-9

3. HAZARDS IDENTIFICATION

RISK PHRASES : Not identified
MAIN HAZARD : Generally safe

First issue : October 16, 2000
Publication date : November 16, 2001

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

4. FIRST AID MEASURES

INHALATION	:	Removal of exposed individual from area to fresh air. Powder is discharged with phlegm or mucus.
EYE CONTACT	:	Flash with clean water.
SKIN CONTACT	:	Wash with water.
INGESTION	:	In case of large amount, drink large quantity of water and induce vomiting.
NOTE TO PHYSICIAN	:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES : Noninflammable

6. ACCIDENTAL RELEASE MEASURES

Vacuuming or wet sweeping may be used to avoid dust dispersal.
LAND SPILL : Sweep together and dispose according to the laws of your country.
WATER SPILL : Collect together and dispose according to the laws of your country.

7. HANDLING AND STORAGE

HANDLING	:	It is better to use glasses and gloves made of rubber.
STORAGE	:	This material should be stored in a dry place and the bag must be closed after use because of its hygroscopicity. This material must be stored to avoid contact with oxidizers (such as perchlorates, peroxides, permanganates, chlorates and nitrates) and chlorine trifluoride since violent reactions occur.

First issue : October 16, 2000
Publication date : November 16, 2001

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS : No specific controls are needed.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection	:	Glasses
Skin Protection	:	Work clothes (Nothing of particular protection)
Respiratory Protection	:	Mask

EXPOSURE GUIDELINES : Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 25°C	:	Solid
Appearance	:	Fine powder
Color	:	White
Odor	:	Odorless
Solubility in Water	:	Insoluble
Specific Gravity (H_2O=1)	:	2.1
pH	:	9.0±0.5 (1g / 50mL C_2H_5OH)
Initial boiling point (°C)	:	Decomposition around 430°C

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	:	Stable
CONDITIONS TO AVOID	:	Wet or high temperature
HAZARDOUS DECOMPOSITION PRODUCTS	:	Nothing
HAZARDOUS REACTIONS	:	Will not occur

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS	:	LD_{50}= over 10,000 mg/kg (mice) †
MUTAGENICITY	:	Not available

(†Hydrotalcite ; DEPARTMENT OF PHAMACOLOGY TOKYO MEDICAL COLLEGE 25,695(1967))

12. ECOLOGICAL INFORMATION

ECOTOXICITY	:	Not available
ENVIRONMENTAL FATE	:	Not available
PHYSICAL/CHEMICAL	:	Not available

13. DISPOSAL CONSIDERATIONS

Disposal : In accordance with the laws of your country.

14. TRANSPORT INFORMATION

NA	:	Not identified
UN No.	:	Not identified
ADR/RID	:	Not identified
IMO-IMDG code	:	Not identified
Hazard Label(s)	:	Unnecessary

First issue : October 16, 2000
Publication date : November 16, 2001

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

15. REGULATORY INFORMATION

This material is classified as follows and labeled accordingly.

Symbol(s)	:	Nothing
R Phrase (s)	:	Nothing
S Phrase (s)	:	Nothing
CAS No.	:	11097-59-9
EINECS No.	:	2343193
TSCA	:	Registered
Water Hazardous Class (Germany)	:	Class 0

Please refer to any other national measures that may be relevant.

16. OTHER INFORMATION

No specific notes.

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Kyowa Chemical Industry Co., Ltd. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Kyowa Chemical Industry Co., Ltd. assumes no legal responsibility for use of or reliance upon this information.

EPAHO104002330

KYOWA CHEMICAL INDUSTRY CO., LTD

CERTIFICATE OF ANALYSIS

Ref. NO. 2001-A247

Date. JUN. 21. 2007
No. J2700370

Name of Product	MHT-PD

Lot No.	5197
Production Date	MAY. 28. 2007
Quantity	3,540 kg
MgO/Al_2O_3 molar ratio	4.19
Loss on drying (250℃ for 1Hr) (%)	1.3
Specific surface area (BET) (㎡/g)	9
Average particle size (㎛)	0.55
>5㎛ (vol%)	0.0

(U29003-027)

Kyowa Chemical Industry Co., Ltd.

H. Zoda
Head of Inspection Sec.

Class I 10H
Solid

Sanol LS-770
10 ea x 500gms

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Name	: SANOL LS-770
Manufacturer	: Development Department SANKYO LIFETECH CO., LTD. 4-23-14, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan Telephone : (81)-3-3814-2783 Facsimile : (81)-3-3814-3084

2. Composition/Information on Ingredients

Substance	: Bis (2,2,6,6-tetramethyl-4-piperidyl) sebacate (Stabilizer)
Molecular formulation	: $C_{28}H_{52}N_2O_4$
Molecular weight	: 480.73
Concentration Percent	: More than 98%
CAS No.	: 052829-07-9
EC-No.	: 258-207-9
Symbol(s)	: Xi-N
R-Phrase(s)	: R36-R51/53

3. Hazards Identification

Classified as hazardous according the EU directives.

Xi Irritant	: Irritating to eyes
N Dangerous for the environment	: Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

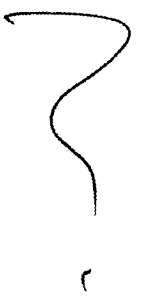
4. First-Aid Measures

Inhalation	: Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, prolonged exposure, seek medical attention.
Skin contact	: Remove all contaminated clothing, then wash off with soap and plenty of water. Do not use organic solvents.
Eye contact	: Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.
Ingestion	: Immediately give plenty (>500ml) of clean water. In case of spontaneous vomiting be sure that vomits can freely drain due to danger of suffocation. Give water repeatedly. Artificial in induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical attention.

EPAHO104002332

2

1



5. Fire-Fighting Measures

Suitable extinguishing Media	: Carbon dioxide(CO_2), Dry powder, Water spray and Foam. Do not use High volume water jet for safety reasons.
Exposure hazards	: Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.
For firefighters	: Ware full protective clothing and self-contained breathing apparatus.
Combustion products	: Oxides of carbon, Oxides of nitrogen (NOx), Toxic gasses/vapors.

6. Accidental Release Measures

Personal precautions	: Do not breathe vapours/dust. Remove all sources of ignition. Wear appropriate protective equipment. Avoid contact with skin, eyes, and clothing.
Environmental precautions	: Do not flush into sanitary sewer or ground water system, rivers and so on. Prevent contamination of soil.
Methods for cleaning up	: Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labeled. Avoid dust formation.

7. Handling and Storage

Handling	: Irritant. Handle and open container with care. Avoid dust formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.
Storage	: Keep away from food and drink. Store in the original container securely closed.
Other information	: Dangerous for the environment.
Explosion risk	: Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions. Empty only into earthed containers. If container is larger than 2000 liter in volume, or when flammable solvents are present inert container or use a system otherwise designed to prevent or contain an explosion—seek expert advice.

8. Exposure Controls/Personal Protection

Exposure limit(s)	: 1 mg/m^3 Pulmonary edema after inhalation in animal studies.
Technical Measures	: Exposure limit(s) should be monitored using suitable analytical equipments.

EPAHO104002335

Personal Protective Equipment

Respiratory Protection	: Effective dust musk
Skin/Body Protection	: Protective gloves, Working clothes, Closed foot ware
Eye Protection	: Suitable goggles or face protection

9. Physical and Chemical Properties

Appearance / Physical State	: White to off-white granules
Odor	: Odorless
Melting Point	: 81-86 °C
Boiling point	: not applicable
Relative density	: 1.05 g/cm^3 (20 °C)
Flash point	: 236 °C (Cleveland open cup)
Ignition Temperature	: 330 °C
Oxidizing properties	: not tested
Self-ignition temperature	: not tested
Water Solubility	: < 1 mg/L (20°C)
Vapor pressure	: 1.3E-8 Pa
pH-value	: 9.67 (1% suspension in water, 20-25 °C)
Explosive properties	: not tested

10. Stability and Reactivity

Decomposition temperature	: >350 °C
Conditions to avoid	: Static discharges
Materials to avoid	: Strong acids, strong bases, strong oxidizing agents
Incompatible Materials	: (Not determined)
Hazardous decomposition products	: Oxides of carbon, Oxides of nitrogen (NOx), Toxic gasses/vapors

11. Toxicological Information

Acute oral toxicity	: LD_{50} > 2,000 mg/kg (Rat)
Acute dermal toxicity	: > 2,000 mg/kg
Acute inhalation toxicity	: not tested
Acute eye irritation/corrosion	: Irritant (Rabbit)
Acute dermal irritation/corrosion	: not irritant (Rabbit)
Acute skin sensitization	: not sensitizing (Guinea pig)

12. Ecological Information

Environmental precautions	: Prevent contamination of soil, drains, surface waters. Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment. Do not discharge product uncontrolled into the environment.
Acute toxicity to daphnia	: LC_{50} 13 mg/L (Zebra fish, 96h)
Acute toxicity to fish	: EC_{50} 17 mg/L (Daphnia magna, 24h)

EPAHO104002336

Acute toxicity to bacteria	: IC_{50} 100 mg/L (Sewage sludge, 3h)
Acute toxicity to algae	: EC_{50} 1.9 mg/L (Scenedesmus sp., 72h)
Biodegradability (28d)	: 29 % Partially but not readily Biodegradable
Biodegradability (29d)	: 10-24 % Not readily biodegradable
Partition coefficient	: LogPow=03.5 (20-25 °C)
Information on classification	: This preparation is classified relating to its environmental hazards applying the conventional method described in EU Directive 1999/45/EC, Annex |||.

13. Disposal Consideration

Waste from residues/unused products

: Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local regulations.

Contaminated packaging : Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local regulations.

14. Transport Information

Flash point	: >150 °C
RID/ADR, IMDG, ICAO/IATA	
Class	: 9
Cipher	: 12C
UN No.	: 3077
Packaging group	: |||
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Additional Information	: BIS-(TETRAMETHYL-4-PIPERIDYL)SEBACATE

15. Regulatory Information

Classification	: Self-classification.
Symbol(s)	
Xi	: Irritant.
N	: Dangerous for the environment.
R-Phrase(s)	
R36	: Irritating to eyes.
R50/R53	: Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.
S-Phrase(s)	
S22	: Do not breathe dust.
S25	: Avoid contact with eyes.

EPAHO104002337

S61	: This material and/or its container must be disposed of as hazardous waste.
Contains	: Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

16. Other information

This material is not intended for use in products for which prolonged contact with mucous membranes, body fluids or abraded skin, or implantation within the human body, is specifically intended, unless the finished product has been tested in accordance with nationally and internationally applicable safety testing requirements. Because of the wide range of such potential uses, we are not able to recommend this material as safe and effective for such uses and assumes no liability for such uses.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

R-Phrases from chapter 2	: R36 Irritating to eyes. R51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
Essential changes	: Section 14

EPAHO104002338

SANKYO LIFETECH CO., LTD.
Chemical Products Sales Group
Sales Department
No.4-23-14,Hongo ,Bunkyo-ku,Tokyo 113-0033,Japan
Telephone:(81)3-3814-2783 Facsimile:(81)3-3814-3084

Oct 7, 2003
Analysis No.001-134

CERTIFICATE OF ANALYSIS

Product	:	SANOL LS-770
Formular	:	Bis(2,2,6,6-Tetramethyl-4-Piperidyl)Sebacate
Used for	:	PP/PE/ABS/PUR/POM
Lot number	:	SV1014
Quantity	:	5,000 g

TESTS & UNITS	SPECIFICATION (min.)	(max.)	TEST METHOD	RESULTS
Appearance	: White granules		visual	complies
Clarity of solution	: Clear solution		visual	complies
Melting point,(℃)* Initial:	-		method	-
Final:	81.0	86.0	"	complies
Color of solution at 425nm: (%)	98.0		"	99.6
Volatiles Content :		0.5	"	0.3
Sulphated Ash* :		0.1	"	complies
Assay(%) :	98.0		"	99.1
Particle size<50micron* :		0.05		complies

* Criteria randomly tested

Production date	:	March 1, 2003
Inspection date	:	March 5, 2003

SANKYO LIFETECH CO.,LTD.

S.Amemiya Shigeo Amemiya
Manager
Group Leader
Chemical Products Sales Group
Sales Department

9ea X 500gms.

NC-4

MATERIAL SAFETY DATA SHEET

Date November 1, 2003

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : **NC-4**

Fine & Performance Chemicals Division.
Mitsui Chemicals, Inc.
Shiodome City Center
1-5-2, Higashi-Shimbashi, Minato-ku
Tokyo 105-7117, Japan
Telephone: +81-3-6253-3832 Telefax: +81-3-6253-4236

2.COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name		CAS No.	PEL(OSHA)	TLV(ACGIH)
Bis(p-ethylbenzylidene) sorbitol	99.5 %	79072-96-1	1)	2)

1) Particulates(Not otherwise regulated)
15 mg/m^3, 8 Hr. TWA, total dust
5 mg/m^3, 8 Hr. TWA, respirable dust
2) Particulates(Not otherwise specified)
10 mg/m^3, 8 Hr. TWA, inhalable
3 mg/m^3, 8 Hr. TWA, respirable

3.HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW :
White powder.
May cause eye irritation.
Powdered material may form explosive dust-air mixtures.

POTENTIAL HEALTH EFFECTS
Route(s) of Entry : inhalation, ingestion.

INHALATION :
Dust may cause irritation to respiratory tract.

INGESTION :
Small amounts swallowed are not likely to cause injury.

SKIN CONTACT :
No adverse effect identified.

EYE CONTACT :
May cause eye irritation.

CARCINOGENICITY
NTP : Not listed.
IARC : Not listed.
OSHA : Not regulated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE :
No information found.

4.FIRST AID MEASURES

INHALATION :
Remove victim to fresh air. If cough or other respiratory symptoms develop, get medical attention.
If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

EYE CONTACT :
Check for and remove contact lenses if easily possible. Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN CONTACT :
Remove contaminated clothing and shoes immediately. Wash skin with plenty of soap and water. Get medical attention if symptoms develop.

INGESTION :
Give the victim large amount of water and induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious or convulsing person. Call a physician immediately.

5.FIRE FIGHTING MEASURES

FLASH POINT : Not applicable.
AUTOIGNITION TEMPERATURE : Not available.
FLAMMABLE LIMITS : Lower : 50 mg/l

EXTINGUISHING MEDIA :water spray, dry chemicals, foam, CO_2.

GENERAL HAZARD :
Can burn if involved in fire. Products of combustion may include irritating and poisonous gases.
Dusts at sufficient concentrations can form explosive mixtures with air.

FIRE FIGHTING EQUIPMENT :
Respiratory and eye protection required for fire fighting personnel.
Full protective equipment and a self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires.

HAZARDOUS COMBUSTION PRODUCTS : Carbon oxides.

6.ACCIDENTAL RELEASE MEASURES

Keep unnecessary and unprotected personnel away.
Wear appropriate personal protective equipment as specified in Section 8. Ventilate the area. Remove all sources of ignition. Stop leak if possible without personal risk.

Spills : Clean up spills in a manner that does not disperse dust into the air. Pick up spill for recovery or disposal and place in closed container.
Avoid release to the environment.

7.HANDLING AND STORAGE

Avoid skin and eye contact and avoid breathing dust if generated.
Wash thoroughly after handling.
Remove contaminated clothing and wash before reuse.
Use only with adequate ventilation. Take precautionary measures against static discharges. Good housekeeping is in order to prevent the accumulation of dust.
Keep container closed. Store in a cool, dry and well-ventilated place away from direct sunlight.

8.EXPOSURE CONTROLS /PERSONAL PROTECTION

ENGINEERING CONTROLS :
The use of local exhaust ventilation is recommended to control emissions near the source.

RESPIRATORY PROTECTION :
For most conditions, no respiratory protection should be needed, however, in dusty atmospheres, use an approved dust respirator.

PROTECTIVE CLOTHING :
Wear impervious protective gloves to prevent skin contact.

EYE PROTECTION :
Use safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT:
Safety shower and eye wash station near work area.

9.PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	: Not applicable.
MELTING POINT	: 210-230 ° C
BULK SPECIFIC GRAVITY	: 0.10-0.40
VAPOR PRESSURE	: 5×10^{-7} Pa
SOLUBILITY IN WATER	: Insoluble.
APPEARANCE	: White powder.

10.STABILITY AND REACTIVITY

STABILITY : Stable in normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID :
Strong acid, moisture, high temperature.

HAZARDOUS DECOMPOSITION PRODUCTS : Carbon oxides in fire.

HAZARDOUS POLYMERIZATION : Will not occur.

11.TOXICOLOGICAL INFORMATION

PRIMARY IRRITATION :
Eye Mild irritant
Skin Not available

ACUTE TOXICITY :
Oral rat LD_{50} >15 g/kg

MUTAGENICITY :
Ames test Negative

12.ECOLOGICAL INFORMATION

No information available.

13.DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery may be burned in approved incinerator or disposed in an approved waste facility.
Ensure compliance with local, state and federal regulations.

14.TRANSPORTATION INFORMATION

UN Hazard Class : Not a hazardous material.
UN Number : None

15.REGULATORY INFORMATION

OSHA STATUS :
This product is not hazardous under the criteria of Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Inventory :
TSCA : Listed.
EU : Listed in ELINCS. (No. 406-176-9)
ECL : Listed. (No. KE-03129)
NDSL : Listed.

Labeling according to EC Directive:
This product is not classified according to the EU regulations.

16.OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

V/11

MITSUI CHEMICALS.INC.
Shiodome City Center
1-5-2, Higashi-Shimbashi, Minato-ku Tokyo 105-7117 Japan

2004/4/20

TO WHOM IT MAY CONCERN:

CERTIFICATE OF ANALYSIS

We hereby certify that the statements following mentioned are true and corect in all respect.

COMMODITY	:	NC-4
LOT NO.	:	53148
QUANTITY(KGS)	:	0.5
APPEARANCE	:	WHITE POWDER
pH	:	6.1
PURITY(%)	:	99.9
BULK DENSITY(Kg/M3)	:	195
P-EBA(ppm)	:	10
MELTING POINT(℃)	:	223.9-224.4
LOSS ON DRYING(%)	:	0.02

Yours faithfully,

Fine Chemicals Dept

KM-1500

'02年1月2日(水) 10時32分 発先:ヒューストン 発信: 1ea x 100gm 3ea x 2kg R:571 P.01

(verbal FAX)

	DATE PREPARED: 10 May, 2002
MATERIAL SAFETY DATA SHEET	MSDS NO: 0457519000-6

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT NAME: PINECRYSTAL KM-1500

NAME OF MANUFACTURER/SUPPLIER: Arakawa Chemical Industries, Ltd.

NAME OF SECTION: R&D Center, Speciality Chemicals Department

ADDRESS: 1-1-8, Tsurumi, Tsurumi-ku, Osaka, 538-0053, Japan

TELEPHONE NUMBER: 81-6-6939-1321 FAX NUMBER: 81-6-6939-2541 http://www.arakawachem.co.jp

2.COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Disproportionated Rosin, Partial Magnesium Salt & Magnesium oxide

SYNONYM(S):

CAS REGISTRY NUMBER: 68440-56-2*, 1309-48-4

TSCA NUMBER: 68440-56-2*, 1309-48-4

EINECS NUMBER : 270-461-2, 215-171-9

EXISTING CHEMICAL SUBSTANCE NUMBER OF JMITI : (7)-941, (1)-465

INGREDIENTS AND COMPOSITION: Disproportionated Rosin, Partial Magnesium Salt & Magnesium oxide

CHEMICAL FORMULA (CONSTITUTIONAL FORMULA, STRUCTUAL FORMULA): Unspecified

UN CLASS: Not applicable UN NO: Not applicable

3.HAZARDS IDENTIFICATION

According to the present state of knowledge, provided that this product is handled correctly, there is no known danger to human.

CLASS NAME OF HAZARDOUS CHEMICALS FOR SDS IN JAPAN: Not applicable in accordance with Japanese Fire Service Law

PHYSICAL AND CHEMICAL HAZARDS: Flammable at extremely high temperature

ADVERSE HUMAN HEALTH EFFECT:

SKIN CONTACT : Prolonged exposure may cause skin irritation.

EYE CONTACT : May cause pain and slight transient (temporary) irritation.

INHALATION : Powder or fume may cause eye and the respiratory tract irritation.

INGESTION : No practical symptom reported

CHRONIC EFFECTS : No practical symptom reported

ENVIRONMENTAL EFFECTS: No practical symptom reported

4.FIRST-AID MEASURES

EYE CONTACT: Immediately rinse the affected eyes, including under the eyelids, with clean water for at least fifteen minutes and see a doctor.

SKIN CONTACT: Wash the effected area under tepid running water using a mild soap.

INHALATION: Move the victim to fresh air. See a doctor.

INGESTION: Give the victim some glasses of water and try to get the victim to vomit. (However, do not make an unconscious person vomit.) Immediately see a doctor.

EPAHO104002346

5.FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, foam, dry chemical powder or carbon dioxide.

SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:

A lot of smoke and soot may come out.

6.ACCIDENTAL RELEASE MEASURES:

Sweep up, place in a bag and hold for waste disposal, or take up and place in closed container.

7.HANDLING AND STORAGE

HANDLING : Handle only in the well-ventilated areas. Wear suitable protective equipment.

Avoid formation of dust. Keep away from sources of ignition.

STORAGE: Keep containers in a cool and well-ventilated indoor.

Keep containers tightly closed when in no use.

8.EXPOSURE CONTROL/PERSONAL PROTECTION

CONTROL PARAMETERS: ACGIH 10 mg/m^3 (Magnesium oxide)

RESPIRATORY PROTECTION: Filter respirator, Dust respirator

EYE PROTECTION: Safety goggles, Chemical goggles

HAND, SKIN AND BODY PROTECTION: Protective gloves, Protective clothing.

9.PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

APPEARANCE: White Powder

ODOR: Odorless

DENSITY: 0.4 (Bulk at 20°C)

BOILING POINT: Not applicable

MELTING POINT: Softening Point 105°C

VAPOR PRESSURE: Not applicable

SOLUBILITY IN WATER: Insoluble

SOLUBILITY IN (1) n-Hexane : Partially soluble, (2) Ethanol: Partially soluble

10.PHYSICAL HAZARD (STABILITY AND REACTIVITY)

STABILITY AND REACTIVITY: Stable under recommended condition of storage and handling.

FLASH POINT: Higher than 250°C

AUTOIGNITION TEMPERATURE: Not autoignite under 300 °C

UPPER AND LOWER EXPLOSION LIMIT: Not applicable

FLAMMABILITY: Flammable at extremely high temperature

SPONTANEOUS COMBUSTIBILITY: Not applicable in accordance with Japanese Fire Service Law

REACTIVITY WITH WATER: Not applicable in accordance with Japanese Fire Service Law

OXIDIZABILITY: Not applicable in accordance with Japanese Fire Service Law

SELF-REACTIVITY: Not applicable in accordance with Japanese Fire Service Law

DUST EXPLOSIVE: This product can form an explosive dust and air mixture. Avoid dust formation and control ignition sources. Employ explosion relief provisions in accord with accepted engineering practices in process operation, storage, transport and dispose.

EPAHO104002347

11.TOXICOLOGICAL INFORMATION

CORROSIVE AND IRRITANT PROPERTIES:

Powder or fume may cause eye and the respiratory tract irritation.

ALLERGENIC AND SENSITIZING EFFECTS: Repeated and Prolong exposure may cause allergenic and sensitizing effects.

ACUTE TOXICITY: LD50 3,400 mg/kg (Rat, oral)

SUB-CHRONIC TOXICITY: No practical symptom reported

CHROCNIC TOXICITY: No practical symptom reported

CARCINOGENIC EFFECTS: No practical symptom reported

MUTAGENIC EFFECTS: Negative in the Ames Test

EFFECTS ON THE REPRODUCTIVE SYSTEM: No practical symptom reported

TERATOGENIC EFFECTS: No practical symptom reported

12.ECOLOGICAL INFORMATION

This product is a rosin derivative that was made from natural pine trees and neutralized with magnesium. There are no used lead, arsenic, chromium, cadmium, mercury and halides as raw materials.

BIODEGRADABILITY: No practical symptom reported

BIOACCUMULATION: No practical symptom reported

FISH TOXICITY: No practical symptom reported

13.DISPOSAL CONSIDERATION

Disposing this material/container should follow all regulations or an authorized waste collector in your country.

Bury on an authorized landfill site or incinerate under approved controlled condition.

14.TRANSPORT INFORMATION

Keep away from direct sunlight and contact with water. Avoid overturn, fall-down and any other damage on loading and transporting. Transport material under competent regulations in your country.

15.REGULATORY INFORMATION

Arakawa Chemical Industries, Ltd. is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

16.OTHER INFORMATION

REFERENCES:

OTHERS:

POSITIVE LIST NUMBER OF JHOSPA : C10-2, D1-1

FDA REGULATION : 176-3870, 184-1431

All the information herein described is either from our own data or technical reference openly available from the publication. Users of the product herein mentioned are requested to utilize the information at their own responsibility. The information given here is based on the newest ones at the time of the preparation of the data sheets. However, it may be corrected from time to time due to the alteration of law/regulation and/or newly obtained toxic data.

EPAHO104002348

To whom it may concern

ARAKAWA Chemical Ind., Ltd.

Certificate of Analysis

Analysis of the Sample is as follows

Product	PINECRYSTAL KM−1500	
Lot No.	R36017	
Characteristic	Unit	Analysis
Appearance	Visual	White Powder
Particle size	%, 2mm pass	100
Bulk density	g/ml	0. 49
Ash content	%	8. 1

NODJI-SAN

To whom it may concern

ARAKAWA Chemical Ind., Ltd.

Certificate of Analysis

Analysis of the Sample is as follows

Product	PINECRYSTAL KM-1500	
Lot No.	R33014	
Characteristic	Unit	Analysis
Appearance	Visual	White Powder
Particle size	%, 2mm pass	100
Bulk density	g/ml	0.49
Ash content	%	8.1

送信ページ数は 01 ページです。

class I solid

KR50M-
12ea X 1.2kg

No.0457521000-7

	DATE PREPARED: 21th Feb, 2005
MATERIAL SAFETY DATA SHEET	MSDS NO: 0457521000-7

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT NAME: PINECRYSTAL KR-50M

NAME OF MANUFACTURER/SUPPLIER: Arakawa Chemical Industries, Ltd.

NAME OF SECTION: R&D Center, Speciality Chemicals Department

ADDRESS: 1-1-9, Tsurumi, Tsurumi-ku, Osaka, 538-0053, Japan

TELEPHONE NUMBER: 81-6-6939-1321 FAX NUMBER: 81-6-6939-2541 http://www.arakawachem.co.jp

2.COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Disproportionated rosin, partial calcium salt

SYNONYM(S):

CAS REGISTRY NUMBER: 9007-13-0*

TSCA NUMBER: 9007-13-0*

EINECS NUMBER : 232-694-8

EXISTING CHEMICAL SUBSTANCE NUMBER OF JMITI : (7)-941

INGREDIENTS AND COMPOSITION: Disproportionated rosin, partial calcium salt 100%

CHEMICAL FORMULA (CONSTITUTIONAL FORMULA, STRUCTUAL FORMULA): Unspecified

UN CLASS: Not applicable UN NO: Not applicable

3.HAZARDS IDENTIFICATION

According to the present state of knowledge, provided that this product is handled correctly, there is no known danger to human.

CLASS NAME OF HAZARDOUS CHEMICALS FOR SDS IN JAPAN:

Not applicable in accordance with Japanese Fire Service Low

PHYSICAL AND CHEMICAL HAZARDS: Flammable at extremely high temperature

ADVERSE HUMAN HEALTH EFFECT:

SKIN CONTACT : Prolonged exposure may cause skin irritation.

EYE CONTACT : May cause pain and slight transient (temporary) irritation.

INHALATION : Powder or fume may cause eye and the respiratory tract irritation.

INGESTION : No practical symptom reported

CHRONIC EFFECTS : No practical symptom reported

ENVIRONMENTAL EFFECTS: No practical symptom reported

4.FIRST-AID MEASURES

EYE CONTACT: Immediately rinse the affected eyes, including under the eyelids, with clean water for at least fifteen minutes and see a doctor.

SKIN CNTACT: Wash the affected area under running water using a mild soap.

INHALATION: Move the victim to fresh air. See a doctor.

INGESTION: Give the victim some glasses of water and try to get the victim to vomit. (However, do not make an unconscious person vomit.) Immediately see a doctor.

EPAHO104002351

5.FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, foam, dry chemical powder or carbon dioxide.

SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:

A lot of smoke and soot may come out.

6.ACCIDENTAL RELEASE MEASURES

Sweep up, place in a bag and hold for waste disposal, or take up and place in closed container.

7.HANDLING AND STORAGE

HANDLING: Handle only in the well-ventilated areas. Wear suitable protective equipment.

Avoid formation of dust. Keep away from sources of ignition.

STORAGE: Keep containers in a cool and well-ventilated indoor. Keep containers tightly closed when in no use.

8.EXPOSURE CONTROL/PERSONAL PROTECTION

CONTROL PARAMETERS: Not set in ACGIH

RESPIRATORY PROTECTION: Filter respirator, Dust respirator

EYE PROTECTION: Safety goggles, Chemical goggles

HAND, SKIN AND BODY PROTECTION: Protective gloves, Protective clothing.

9.PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, FOAM: Solid

APPEARANCE:	White powder
ODOR:	Slight odor
DENSITY:	0.4 (Bulk at 20 °C)
BOILING POINT:	Not Available
MELTING POINT:	Softening point 145 °C
VAPOR PRESSURE:	Not Available
SOLUBILITY IN WATER:	Insoluble

SOLUBILITY IN (1) n-Hexane : Soluble, (2) Ethanol: Partially soluble

10.PHYSICAL HAZARD (STABILITY AND REACTIVITY)

STABILITY AND REACTIVITY: Stable under recommended condition of storage and handling.

FLASH POINT: over 228 °C

AUTOIGNITION TEMPERATURE: Not autoignite under 300 °C

UPPER AND LOWER EXPLOSION LIMIT: Not applicable

FLAMMABILITY: Flammable at extremely high temperature

SPONTANEOUS COMBUSTIBILITY: Not applicable in accordance with Japanese Fire Service Low

REACTIVITY WITH WATER: Not applicable in accordance with Japanese Fire Service Low

OXIDIZABILITY: Not applicable in accordance with Japanese Fire Service Low

SELF-REACTIVITY: Not applicable in accordance with Japanese Fire Service Low

DUST EXPLOSIVENESS: This product can form an explosive dust and air mixture. Avoid dust formation and control ignition sources. Employ explosion relief provisions in accord with accepted engineering practices in process operation, storage, transport and dispose.

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11.TOXICOLOGICAL INFORMATION

CORROSIVE AND IRRITANT PROPERTIES:

Primary irritation index of 0.0 (rabbit skin)

Powder or fume may cause eye and the respiratory tract irritation.

ALLERGENIC AND SENSITIZING EFFECTS: Repeated and Prolong exposure may cause allergenic and sensitizing effects.

ACUTE TOXICITY: LD50 1,771 mg/kg (Rat, oral)

SUB-CHRONIC TOXICITY: No practical symptom reported

CHROCNIC TOXICITY: No practical symptom reported

CARCINOGENIC EFFECTS: No practical symptom reported

MUTAGENIC EFFECTS: Negative in the Ames Test

EFFECTS ON THE REPRODUCTIVE SYSTEM: No practical symptom reported

TERATOGENIC EFFECTS: No practical symptom reported

12.ECOLOGICAL INFORMATION

This product is a rosin derivative that was made from natural pine trees and neutralized with calcium. There are no used lead, arsenic, chromium, cadmium, mercury and halides as raw materials.

BIODEGRADABILITY: No practical symptom reported

BIOACCUMULATION: No practical symptom reported

FISH TOXICITY: No practical symptom reported

13.DISPOSAL CONSIDERATION

Disposing this material/ container should follow all regulations or an authorized waste collector in your country. Bury on an authorized landfill site or incinerate under approved controlled condition.

14.TRANSPORT INFORMATION

Keep away from direct sunlight and contact with water. Avoid overturn, fall-down and any other damage on loading and transporting. Transport material under competent regulations in your country.

15.REGULATORY INFORMATION

Arakawa Chemical Industries, Ltd. is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

Classification and Labelling Information:
This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

EINECS STATUS

This chemical substance is listed as Resin acids and Rosin acids, calcium salts (EINECS No: 232-694-8).

16.OTHER INFORMATION

REFERENCES:

OTHERS:

POSITIVE LIST NUMBER OF JHOSPA : C10-1

FDA REGULATION : 178-3870

All the information herein described is either from our own data or technical reference openly available from the publication. Users of the product herein mentioned are requested to utilize the information at their own responsibility. The information given here is based on the newest ones at the time of the preparation of the

EPAHO104002353

data sheets.

However, it may be corrected from time to time due to the alteration of law/regulation and/or newly obtained toxic data.

EPAHO104002354

To whom it may concern

ARAKAWA Chemical Ind. Ltd.

Certificate of Analysis

Analysis of the Sample is as follows

Product	PINECRYSTAL KR−50M		
Lot No.	R32024		
Characteristic	Unit	Analysis	Specification
Appearance	Visual	White Powder	White Powder
Particle size	%, 2mm pass	100	100
Bulk density	g/ml	0. 40	0.35-0.45
Color (50% xylene soln.)	Hazen	250	400 max
Acid value	mg KOH/g	94. 6	90.0-100.0
Softening point	℃, R&B	153. 0	145.0-160.0

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Class 1 solids

Date **1/21/2009**

Dear **Kathy Rayburn**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3162

Expiration Date 1/21/2011

Adding Alcamizer 1 MSDS. Please approve & add in Access

Generator: Mitsui USA @ Palmer Logistics
Address: 1020 Lockwood
Houston, TX 77020

Waste Information

Name of Waste: Samples from Lab
TCEQ Waste Code #: CESQ3191
Container Type:
Detailed Description of Process Generating Waste:
Disposal of samples from in house laboratory.

Color: varies **Odor:** varies **pH:** 5-9

Physical State:
Incompatibilities: SEE MSDS
Safety Related Data/Special Handling:
STANDARD

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

Waste Material
Class 1 solids
Dump to not create Dust cloud
DB

Make today
#3162
This is the only one I need today - If you call when U-R-Done with it - I will come pick it back up to take to Probaucher

JK
GB

CES Environmental Services, Inc.

☑ CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948	☐ CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585

SECTION 1: Generator Information

Company: Mitsui @ Palmer Logistics
Address: 1040 Lockwood Drive
City: Houston **State:** TX **Zip:** 77020
Contact: MJ Gonzales **Title:**
Phone Number: 713-860-0337 **Fax Number:**
24/hr Phone Number: 713-676-1676
US EPA ID No: TXCESQG
State ID No: CESQG **SIC Code:**

SECTION 2: Billing Information - ☐ **Same as Above**

Company: Mitsui Plastics Inc
Address: 1300 Post Oak Blvd, Suite 1700
City: Houston **State:** TX **Zip:** 77056
Contact: Margaret Garza **Title:**
Phone Number: 713-236-6292 **Fax Number:** 713-759-1517

SECTION 3: General Description of the Waste

Name of Waste: Samples from Lab
Detailed Description of Process Generating Waste:

Disposal of Samples from in house laboratory.

Physical State: ☐ Liquid ☐ Sludge ☑ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Varies **Odor:** Varies

Specific Gravity (water=1): Varies **Density:** Varies lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No
Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☑ Monthly ☐ Yearly ☐ One-Time
Quantity: 10

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: CESQ3191

Proper US DOT Shipping Name: Non-RCRA, Non-DOT Regulated Material
Class: N/A UN/NA: N/A PG : N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	5-9	BRL mg/l	BRL mg/l	100 %
Oil & Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
N/A mg/l	BRL mg/l	BRL mg/l	BRL mg/l	BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
MHT-PD	0-100	%
SANOL LS - 770	0-100	%
NC - 4	0-100	%
KM - 1500	0-100	%
KR -50M	0-100	%
Alcamizer 1 per Linda Betty 1/23/09	0-100	%

SECTION 5: Safety Related Data
If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

SEE MSDS

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	Not Regulated
TCLP Volatiles:	Not Regulated
TCLP Semi-Volatiles:	Not Regulated
Reactivity:	Non-Reactive
Corrosivity:	Non-Corrosive
Ignitability:	>200

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

***Metals Subcategory*: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

***Oils Subcategory*: Subpart B**

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

***Organics Subcategory*: Subpart C**

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) *If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.*

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ *Metals Subcategory*
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Koji K Date: 1-15-09

Printed Name/Title: Koji Kakihuma / General Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer:		
Date: 1-21-09	☑ Approved	☐ Rejected
Approval Number: 3162		

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

#100/DM Charge for OP trans #350

2. Contamination Limit (maximum limit before surchages apply):

All drums are solid material

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Class 1 solids box- Avoid acids - Dump drum solids carefully to avoid dust clouds

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

~~Bulk to System 1 or 2~~ ~~Class 1 solids~~
Not a product – this is a Waste

First issue : October 16, 2000
Publication date : November 16, 2001

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : MHT-PD
Synonym(s) : Magnesium Aluminum Hydroxide Carbonate

MANUFACTURER
Company Name : Kyowa Chemical Industry Co., Ltd.
Address : 4035 Hayashida-cho, Sakaide, Kagawa, 762-0012, Japan
Telephone No. +81(0)877-47-0011

EMERGENCY TELEPHONE NUMBER

Kyowa Chemical Industry. Co., Ltd.
Telephone No. +81-(0)877-47-2500 (Research & Development Dept.)
8:00 am – 4:30 pm Japan Time

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Wt%	CAS registry#
Magnesium Aluminum Hydroxide Carbonate	95~100	11097-59-9

3. HAZARDS IDENTIFICATION

RISK PHRASES : Not identified
MAIN HAZARD : Generally safe

First issue : October 16, 2000
Publication date : November 16, 2001

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

4. FIRST AID MEASURES

INHALATION	:	Removal of exposed individual from area to fresh air. Powder is discharged with phlegm or mucus.
EYE CONTACT	:	Flash with clean water.
SKIN CONTACT	:	Wash with water.
INGESTION	:	In case of large amount, drink large quantity of water and induce vomiting.
NOTE TO PHYSICIAN	:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES : Noninflammable

6. ACCIDENTAL RELEASE MEASURES

Vacuuming or wet sweeping may be used to avoid dust dispersal.
LAND SPILL : Sweep together and dispose according to the laws of your country.
WATER SPILL : Collect together and dispose according to the laws of your country.

7. HANDLING AND STORAGE

HANDLING	:	It is better to use glasses and gloves made of rubber.
STORAGE	:	This material should be stored in a dry place and the bag must be closed after use because of its hygroscopicity. This material must be stored to avoid contact with oxidizers (such as perchlorates, peroxides, permanganates, chlorates and nitrates) and chlorine trifluoride since violent reactions occur.

First issue : October 16, 2000
Publication date : November 16, 2001

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS : No specific controls are needed.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection	:	Glasses
Skin Protection	:	Work clothes (Nothing of particular protection)
Respiratory Protection	:	Mask

EXPOSURE GUIDELINES : Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 25°C	:	Solid
Appearance	:	Fine powder
Color	:	White
Odor	:	Odorless
Solubility in Water	:	Insoluble
Specific Gravity (H_2O=1)	:	2.1
pH	:	9.0±0.5 (1g / 50mL C_2H_5OH)
Initial boiling point (°C)	:	Decomposition around 430°C

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	:	Stable
CONDITIONS TO AVOID	:	Wet or high temperature
HAZARDOUS DECOMPOSITION PRODUCTS	:	Nothing
HAZARDOUS REACTIONS	:	Will not occur

First issue : October 16, 2000
Publication date : November 16, 2001

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS	:	LD_{50}= over 10,000 mg/kg (mice) †
MUTAGENICITY	:	Not available

(†Hydrotalcite ; DEPARTMENT OF PHAMACOLOGY TOKYO MEDICAL COLLEGE 25,695(1967))

12. ECOLOGICAL INFORMATION

ECOTOXICITY	:	Not available
ENVIRONMENTAL FATE	:	Not available
PHYSICAL/CHEMICAL	:	Not available

13. DISPOSAL CONSIDERATIONS

Disposal : In accordance with the laws of your country.

14. TRANSPORT INFORMATION

NA	:	Not identified
UN No.	:	Not identified
ADR/RID	:	Not identified
IMO-IMDG code	:	Not identified
Hazard Label(s)	:	Unnecessary

First issue : October 16, 2000
Publication date : November 16, 2001

Kyowa Chemical Industry Co., Ltd.

MATERIAL SAFETY DATA SHEET

MHT-PD

15. REGULATORY INFORMATION

This material is classified as follows and labeled accordingly.

Symbol(s)	:	Nothing
R Phrase (s)	:	Nothing
S Phrase (s)	:	Nothing
CAS No.	:	11097-59-9
EINECS No.	:	2343193
TSCA	:	Registered
Water Hazardous Class (Germany)	:	Class 0

Please refer to any other national measures that may be relevant.

16. OTHER INFORMATION

No specific notes.

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Kyowa Chemical Industry Co., Ltd. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Kyowa Chemical Industry Co., Ltd. assumes no legal responsibility for use of or reliance upon this information.

EPAHO104002367

KYOWA CHEMICAL INDUSTRY CO., LTD

CERTIFICATE OF ANALYSIS

Ref. NO. 2001-A247

Date. JUN. 21. 2007
No. J2700370

Name of Product	MHT-PD		
Lot No.	5197		
Production Date	MAY. 28. 2007		
Quantity	3,540 kg		
MgO/Al_2O_3 molar ratio	4.19		
Loss on drying (250℃ for 1Hr) (%)	1.3		
Specific surface area (BET) (m^2/g)	9		
Average particle size (μm)	0.55		
>5μm (vol%)	0.0		

(U29003-027)

Kyowa Chemical Industry Co., Ltd.

H. Zoda

Head of Inspection Sec.

Class I 10H
Solid

Sanol LS-770
10 ea x 500gms

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Name	: SANOL LS-770
Manufacturer	: Development Department SANKYO LIFETECH CO., LTD. 4-23-14, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan Telephone : (81)-3-3814-2783 Facsimile : (81)-3-3814-3084

2. Composition/Information on Ingredients

Substance	: Bis (2,2,6,6-tetramethyl-4-piperidyl) sebacate (Stabilizer)
Molecular formulation	: $C_{28}H_{52}N_2O_4$
Molecular weight	: 480.73
Concentration Percent	: More than 98%
CAS No.	: 052829-07-9
EC-No.	: 258-207-9
Symbol(s)	: Xi-N
R-Phrase(s)	: R36-R51/53

3. Hazards Identification

Classified as hazardous according the EU directives.

Xi	Irritant	: Irritating to eyes
N	Dangerous for the environment	: Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

4. First-Aid Measures

Inhalation	: Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, prolonged exposure, seek medical attention.
Skin contact	: Remove all contaminated clothing, then wash off with soap and plenty of water. Do not use organic solvents.
Eye contact	: Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.
Ingestion	: Immediately give plenty (>500ml) of clean water. In case of spontaneous vomiting be sure that vomits can freely drain due to danger of suffocation. Give water repeatedly. Artificial in induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical attention.

EPAHO104002369

5. Fire-Fighting Measures

Suitable extinguishing Media	: Carbon dioxide(CO_2), Dry powder, Water spray and Foam. Do not use High volume water jet for safety reasons.
Exposure hazards	: Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.
For firefighters	: Ware full protective clothing and self-contained breathing apparatus.
Combustion products	: Oxides of carbon, Oxides of nitrogen (NOx), Toxic gasses/vapors.

6. Accidental Release Measures

Personal precautions	: Do not breathe vapours/dust. Remove all sources of ignition. Wear appropriate protective equipment. Avoid contact with skin, eyes, and clothing.
Environmental precautions	: Do not flush into sanitary sewer or ground water system, rivers and so on. Prevent contamination of soil.
Methods for cleaning up	: Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labeled. Avoid dust formation.

7. Handling and Storage

Handling	: Irritant. Handle and open container with care. Avoid dust formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.
Storage	: Keep away from food and drink. Store in the original container securely closed.
Other information	: Dangerous for the environment.
Explosion risk	: Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions. Empty only into earthed containers. If container is larger than 2000 liter in volume, or when flammable solvents are present inert container or use a system otherwise designed to prevent or contain an explosion—seek expert advice.

8. Exposure Controls/Personal Protection

Exposure limit(s)	: 1 mg/m^3 Pulmonary edema after inhalation in animal studies.
Technical Measures	: Exposure limit(s) should be monitored using suitable analytical equipments.

EPAHO104002372

Personal Protective Equipment

Respiratory Protection	: Effective dust musk
Skin/Body Protection	: Protective gloves, Working clothes, Closed foot ware
Eye Protection	: Suitable goggles or face protection

9. Physical and Chemical Properties

Appearance / Physical State	: White to off-white granules
Odor	: Odorless
Melting Point	: 81-86 °C
Boiling point	: not applicable
Relative density	: 1.05 g/cm^3 (20 °C)
Flash point	: 236 °C (Cleveland open cup)
Ignition Temperature	: 330 °C
Oxidizing properties	: not tested
Self-ignition temperature	: not tested
Water Solubility	: < 1 mg/L (20°C)
Vapor pressure	: 1.3E-8 Pa
pH-value	: 9.67 (1% suspension in water, 20-25 °C)
Explosive properties	: not tested

10. Stability and Reactivity

Decomposition temperature	: >350 °C
Conditions to avoid	: Static discharges
Materials to avoid	: Strong acids, strong bases, strong oxidizing agents
Incompatible Materials	: (Not determined)
Hazardous decomposition products	: Oxides of carbon, Oxides of nitrogen (NOx), Toxic gasses/vapors

11. Toxicological Information

Acute oral toxicity	: LD_{50} > 2,000 mg/kg (Rat)
Acute dermal toxicity	: > 2,000 mg/kg
Acute inhalation toxicity	: not tested
Acute eye irritation/corrosion	: Irritant (Rabbit)
Acute dermal irritation/corrosion	: not irritant (Rabbit)
Acute skin sensitization	: not sensitizing (Guinea pig)

12. Ecological Information

Environmental precautions	: Prevent contamination of soil, drains, surface waters. Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment. Do not discharge product uncontrolled into the environment.
Acute toxicity to daphnia	: LC_{50} 13 mg/L (Zebra fish, 96h)
Acute toxicity to fish	: EC_{50} 17 mg/L (Daphnia magna, 24h)

EPAHO104002373

Acute toxicity to bacteria	: IC_{50} 100 mg/L (Sewage sludge, 3h)
Acute toxicity to algae	: EC_{50} 1.9 mg/L (Scenedesmus sp., 72h)
Biodegradability (28d)	: 29 % Partially but not readily Biodegradable
Biodegradability (29d)	: 10-24 % Not readily biodegradable
Partition coefficient	: LogPow=03.5 (20-25 °C)
Information on classification	: This preparation is classified relating to its environmental hazards applying the conventional method described in EU Directive 1999/45/EC, Annex III.

13. Disposal Consideration

Waste from residues/unused products : Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local regulations.

Contaminated packaging : Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local regulations.

14. Transport Information

Flash point	: >150 °C
RID/ADR, IMDG, ICAO/IATA	
Class	: 9
Cipher	: 12C
UN No.	: 3077
Packaging group	: III
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Additional Information	: BIS-(TETRAMETHYL-4-PIPERIDYL)SEBACATE

15. Regulatory Information

Classification	: Self-classification.
Symbol(s)	
Xi	: Irritant.
N	: Dangerous for the environment.
R-Phrase(s)	
R36	: Irritating to eyes.
R50/R53	: Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.
S-Phrase(s)	
S22	: Do not breathe dust.
S25	: Avoid contact with eyes.

EPAHO104002374

S61	: This material and/or its container must be disposed of as hazardous waste.
Contains	: Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

16. Other information

This material is not intended for use in products for which prolonged contact with mucous membranes, body fluids or abraded skin, or implantation within the human body, is specifically intended, unless the finished product has been tested in accordance with nationally and internationally applicable safety testing requirements. Because of the wide range of such potential uses, we are not able to recommend this material as safe and effective for such uses and assumes no liability for such uses.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

R-Phrases from chapter 2	: R36 Irritating to eyes. R51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
Essential changes	: Section 14

EPAHO104002375

SANKYO LIFETECH CO., LTD.
Chemical Products Sales Group
Sales Department
No.4-23-14,Hongo ,Bunkyo-ku,Tokyo 113-0033,Japan
Telephone:(81)3-3814-2783 Facsimile:(81)3-3814-3084

Oct 7, 2003
Analysis No.001-134

CERTIFICATE OF ANALYSIS

Product	:	SANOL LS-770
Formular	:	Bis(2,2,6,6-Tetramethyl-4-Piperidyl)Sebacate
Used for	:	PP/PE/ABS/PUR/POM
Lot number	:	SV1014
Quantity	:	5,000 g

TESTS & UNITS	SPECIFICATION (min.)	(max.)	TEST METHOD	RESULTS
Appearance :	White granules		visual	complies
Clarity of solution :	Clear solution		visual	complies
Melting point,(℃)* Initial:	-		method	-
Final:	81.0	86.0	〃	complies
Color of solution at 425nm: (%)	98.0		〃	99.6
Volatiles Content :		0.5	〃	0.3
Sulphated Ash* :		0.1	〃	complies
Assay(%) :	98.0		〃	99.1
Particle size<50micron* :		0.05		complies

* Criteria randomly tested

Production date	:	March 1, 2003
Inspection date	:	March 5, 2003

SANKYO LIFETECH CO.,LTD.

S.Amemiya Shigeo Amemiya
Manager
Group Leader
Chemical Products Sales Group
Sales Department

Class I NH solid

9 cr X 500 gms.

NC-4

MATERIAL SAFETY DATA SHEET

Date November 1, 2003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : **NC-4**

Fine & Performance Chemicals Division.
Mitsui Chemicals, Inc.
Shiodome City Center
1-5-2, Higashi-Shimbashi, Minato-ku
Tokyo 105-7117, Japan
Telephone: +81-3-6253-3832 Telefax: +81-3-6253-4236

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name		CAS No.	PEL(OSHA)	TLV(ACGIH)
Bis(p-ethylbenzylidene) sorbitol	99.5 %	79072-96-1	1)	2)

1) Particulates(Not otherwise regulated)
   15 mg/m^3, 8 Hr. TWA, total dust
   5 mg/m^3, 8 Hr. TWA, respirable dust
2) Particulates(Not otherwise specified)
   10 mg/m^3, 8 Hr. TWA, inhalable
   3 mg/m^3, 8 Hr. TWA, respirable

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW :
White powder.
May cause eye irritation.
Powdered material may form explosive dust-air mixtures.

POTENTIAL HEALTH EFFECTS
Route(s) of Entry : inhalation, ingestion.

INHALATION :
Dust may cause irritation to respiratory tract.

INGESTION :
Small amounts swallowed are not likely to cause injury.

SKIN CONTACT :
No adverse effect identified.

EYE CONTACT :
May cause eye irritation.

CARCINOGENICITY
NTP : Not listed.
IARC : Not listed.
OSHA : Not regulated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE :
No information found.

4.FIRST AID MEASURES

INHALATION :
Remove victim to fresh air. If cough or other respiratory symptoms develop, get medical attention.
If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

EYE CONTACT :
Check for and remove contact lenses if easily possible. Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN CONTACT :
Remove contaminated clothing and shoes immediately. Wash skin with plenty of soap and water. Get medical attention if symptoms develop.

INGESTION :
Give the victim large amount of water and induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious or convulsing person. Call a physician immediately.

5.FIRE FIGHTING MEASURES

FLASH POINT : Not applicable.
AUTOIGNITION TEMPERATURE : Not available.
FLAMMABLE LIMITS : Lower : 50 mg/l

EXTINGUISHING MEDIA :water spray, dry chemicals, foam, CO_2.

GENERAL HAZARD :
Can burn if involved in fire. Products of combustion may include irritating and poisonous gases.
Dusts at sufficient concentrations can form explosive mixtures with air.

FIRE FIGHTING EQUIPMENT :
Respiratory and eye protection required for fire fighting personnel.
Full protective equipment and a self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires.

HAZARDOUS COMBUSTION PRODUCTS : Carbon oxides.

6.ACCIDENTAL RELEASE MEASURES

Keep unnecessary and unprotected personnel away.
Wear appropriate personal protective equipment as specified in Section 8. Ventilate the area. Remove all sources of ignition. Stop leak if possible without personal risk.

Spills : Clean up spills in a manner that does not disperse dust into the air. Pick up spill for recovery or disposal and place in closed container.
Avoid release to the environment.

7.HANDLING AND STORAGE

Avoid skin and eye contact and avoid breathing dust if generated.
Wash thoroughly after handling.
Remove contaminated clothing and wash before reuse.
Use only with adequate ventilation. Take precautionary measures against static discharges. Good housekeeping is in order to prevent the accumulation of dust.
Keep container closed. Store in a cool, dry and well-ventilated place away from direct sunlight.

8.EXPOSURE CONTROLS /PERSONAL PROTECTION

ENGINEERING CONTROLS :
The use of local exhaust ventilation is recommended to control emissions near the source.

RESPIRATORY PROTECTION :
For most conditions, no respiratory protection should be needed, however, in dusty atmospheres, use an approved dust respirator.

PROTECTIVE CLOTHING :
Wear impervious protective gloves to prevent skin contact.

EYE PROTECTION :
Use safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT:
Safety shower and eye wash station near work area.

9.PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	: Not applicable.
MELTING POINT	: 210-230 ° C
BULK SPECIFIC GRAVITY	: 0.10-0.40
VAPOR PRESSURE	: 5×10^{-7} Pa
SOLUBILITY IN WATER	: Insoluble.
APPEARANCE	: White powder.

10.STABILITY AND REACTIVITY

STABILITY : Stable in normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID :
Strong acid, moisture, high temperature.

HAZARDOUS DECOMPOSITION PRODUCTS : Carbon oxides in fire.

HAZARDOUS POLYMERIZATION : Will not occur.

11.TOXICOLOGICAL INFORMATION

PRIMARY IRRITATION :
Eye Mild irritant
Skin Not available

ACUTE TOXICITY :
Oral rat LD_{50} >15 g/kg

MUTAGENICITY :
Ames test Negative

12.ECOLOGICAL INFORMATION

No information available.

13.DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery may be burned in approved incinerator or disposed in an approved waste facility.
Ensure compliance with local, state and federal regulations.

14.TRANSPORTATION INFORMATION

UN Hazard Class : Not a hazardous material.
UN Number : None

15.REGULATORY INFORMATION

OSHA STATUS :
This product is not hazardous under the criteria of Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Inventory :
TSCA : Listed.
EU : Listed in ELINCS. (No. 406-176-9)
ECL : Listed. (No. KE-03129)
NDSL : Listed.

Labeling according to EC Directive:
This product is not classified according to the EU regulations.

16.OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

V/11

MITSUI CHEMICALS, INC.
Shiodome City Center
1-5-2, Higashi-Shimbashi, Minato-ku Tokyo 105-7117 Japan

2004/4/20

TO WHOM IT MAY CONCERN:

CERTIFICATE OF ANALYSIS

We hereby certify that the statements following mentioned are true and corect in all respect.

COMMODITY	:	NC-4
LOT NO.	:	53148
QUANTITY(KGS)	:	0.5
APPEARANCE	:	WHITE POWDER
pH	:	6.1
PURITY(%)	:	99.9
BULK DENSITY(Kg/M3)	:	195
P-EBA(ppm)	:	10
MELTING POINT(℃)	:	223.9-224.4
LOSS ON DRYING(%)	:	0.02

Yours faithfully,

Fine Chemicals Dept

(Lesson 2/2)

	DATE PREPARED: 10 May, 2002
MATERIAL SAFETY DATA SHEET	MSDS NO: 0457519000-6

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT NAME: PINECRYSTAL KM-1500

NAME OF MANUFACTURER/SUPPLIER: Arakawa Chemical Industries, Ltd.

NAME OF SECTION: R&D Center, Speciality Chemicals Department

ADDRESS: 1-1-9, Tsurumi, Tsurumi-ku, Osaka, 538-0053, Japan

TELEPHONE NUMBER: 81-6-6939-1321 FAX NUMBER: 81-6-6939-2541 http://www.arakawachem.co.jp

2.COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Disproportionated Rosin, Partial Magnesium Salt & Magnesium oxide

SYNONYM(S):

CAS REGISTRY NUMBER: 68440-56-2*, 1309-48-4

TSCA NUMBER: 68440-56-2*, 1309-48-4

EINECS NUMBER : 270-461-2, 215-171-9

EXISTING CHEMICAL SUBSTANCE NUMBER OF JMITI : (7)-941, (1)-465

INGREDIENTS AND COMPOSITION: Disproportionated Rosin, Partial Magnesium Salt & Magnesium oxide

CHEMICAL FORMULA (CONSTITUTIONAL FORMULA, STRUCTUAL FORMULA): Unspecified

UN CLASS: Not applicable UN NO: Not applicable

3.HAZARDS IDENTIFICATION

According to the present state of knowledge, provided that this product is handled correctly, there is no known danger to human.

CLASS NAME OF HAZARDOUS CHEMICALS FOR SDS IN JAPAN: Not applicable in accordance with Japanese Fire Service Law

PHYSICAL AND CHEMICAL HAZARDS: Flammable at extremely high temperature

ADVERSE HUMAN HEALTH EFFECT:

SKIN CONTACT : Prolonged exposure may cause skin irritation.

EYE CONTACT : May cause pain and slight transient (temporary) irritation.

INHALATION : Powder or fume may cause eye and the respiratory tract irritation.

INGESTION : No practical symptom reported

CHRONIC EFFECTS : No practical symptom reported

ENVIRONMENTAL EFFECTS: No practical symptom reported

4.FIRST-AID MEASURES

EYE CONTACT: Immediately rinse the affected eyes, including under the eyelids, with clean water for at least fifteen minutes and see a doctor.

SKIN CONTACT: Wash the affected area under tepid running water using a mild soap.

INHALATION: Move the victim to fresh air. See a doctor.

INGESTION: Give the victim some glasses of water and try to get the victim to vomit. (However, do not make an unconscious person vomit.) Immediately see a doctor.

EPAHO104002383

5.FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, foam, dry chemical powder or carbon dioxide.

SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:

A lot of smoke and soot may come out.

6.ACCIDENTAL RELEASE MEASURES:

Sweep up, place in a bag and hold for waste disposal, or take up and place in closed container.

7.HANDLING AND STORAGE

HANDLING : Handle only in the well-ventilated areas. Wear suitable protective equipment.

Avoid formation of dust. Keep away from sources of ignition.

STORAGE: Keep containers in a cool and well-ventilated indoor.

Keep containers tightly closed when in no use.

8.EXPOSURE CONTROL/PERSONAL PROTECTION

CONTROL PARAMETERS: ACGIH 10 mg/m^3 (Magnesium oxide)

RESPIRATORY PROTECTION: Filter respirator, Dust respirator

EYE PROTECTION: Safety goggles, Chemical goggles

HAND, SKIN AND BODY PROTECTION: Protective gloves, Protective clothing.

9.PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

APPEARANCE: White Powder

ODOR: Odorless

DENSITY: 0.4 (Bulk at 20°C)

BOILING POINT: Not applicable

MELTING POINT: Softening Point 105°C

VAPOR PRESSURE: Not applicable

SOLUBILITY IN WATER: Insoluble

SOLUBILITY IN (1) n-Hexane : Partially soluble, (2) Ethanol: Partially soluble

10.PHYSICAL HAZARD (STABILITY AND REACTIVITY)

STABILITY AND REACTIVITY: Stable under recommended condition of storage and handling.

FLASH POINT: Higher than 250°C

AUTOIGNITION TEMPERATURE: Not autoignite under 300 °C

UPPER AND LOWER EXPLOSION LIMIT: Not applicable

FLAMMABILITY: Flammable at extremely high temperature

SPONTANEOUS COMBUSTIBILITY: Not applicable in accordance with Japanese Fire Service Law

REACTIVITY WITH WATER: Not applicable in accordance with Japanese Fire Service Law

OXIDIZABILITY: Not applicable in accordance with Japanese Fire Service Law

SELF-REACTIVITY: Not applicable in accordance with Japanese Fire Service Law

DUST EXPLOSIVE: This product can form an explosive dust and air mixture. Avoid dust formation and control ignition sources. Employ explosion relief provisions in accord with accepted engineering practices in process operation, storage, transport and dispose.

EPAHO104002384

11.TOXICOLOGICAL INFORMATION

CORROSIVE AND IRRITANT PROPERTIES:

Powder or fume may cause eye and the respiratory tract irritation.

ALLERGENIC AND SENSITIZING EFFECTS: Repeated and Prolong exposure may cause allergenic and sensitizing effects.

ACUTE TOXICITY: LD50 3,400 mg/kg (Rat, oral)

SUB-CHRONIC TOXICITY: No practical symptom reported

CHRONIC TOXICITY: No practical symptom reported

CARCINOGENIC EFFECTS: No practical symptom reported

MUTAGENIC EFFECTS: Negative in the Ames Test

EFFECTS ON THE REPRODUCTIVE SYSTEM: No practical symptom reported

TERATOGENIC EFFECTS: No practical symptom reported

12.ECOLOGICAL INFORMATION

This product is a rosin derivative that was made from natural pine trees and neutralized with magnesium. There are no used lead, arsenic, chromium, cadmium, mercury and halides as raw materials.

BIODEGRADABILITY: No practical symptom reported

BIOACCUMULATION: No practical symptom reported

FISH TOXICITY: No practical symptom reported

13.DISPOSAL CONSIDERATION

Disposing this material/container should follow all regulations or an authorized waste collector in your country.

Bury on an authorized landfill site or incinerate under approved controlled condition.

14.TRANSPORT INFORMATION

Keep away from direct sunlight and contact with water. Avoid overturn, fall-down and any other damage on loading and transporting. Transport material under competent regulations in your country.

15.REGULATORY INFORMATION

Arakawa Chemical Industries, Ltd. is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

16.OTHER INFORMATION

REFERENCES:

OTHERS:

POSITIVE LIST NUMBER OF JHOSPA : C10-2, D1-1

FDA REGULATION : 178-3870, 184-1431

All the information herein described is either from our own data or technical reference openly available from the publication. Users of the product herein mentioned are requested to utilize the information at their own responsibility. The information given here is based on the newest ones at the time of the preparation of the data sheets. However, it may be corrected from time to time due to the alteration of law/regulation and/or newly obtained toxic data.

EPAHO104002385

To whom it may concern

ARAKAWA Chemical Ind., Ltd.

Certificate of Analysis

Analysis of the Sample is as follows

Product	PINECRYSTAL KM−1500	
Lot No.	R36017	
Characteristic	Unit	Analysis
Appearance	Visual	White Powder
Particle size	%, 2mm pass	100
Bulk density	g/ml	0. 49
Ash content	%	8. 1

NODJI-SAN

To whom it may concern

ARAKAWA Chemical Ind., Ltd.

Certificate of Analysis

Analysis of the Sample is as follows

Product	PINECRYSTAL KM−1500	
Lot No.	R33014	
Characteristic	Unit	Analysis
Appearance	Visual	White Powder
Particle size	%, 2mm pass	100
Bulk density	g/ml	0. 49
Ash content	%	8. 1

送信ページ数は 01 ページです。

class I solid

KR50M-
12 ea X 1.2 kg

No.0457521000-7

	DATE PREPARED: 21th Feb, 2005
MATERIAL SAFETY DATA SHEET	MSDS NO: 0457521000-7

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT NAME: PINECRYSTAL KR-50M

NAME OF MANUFACTURER/SUPPLIER: Arakawa Chemical Industries, Ltd.

NAME OF SECTION: R&D Center, Speciality Chemicals Department

ADDRESS: 1-1-9, Tsurumi, Tsurumi-ku, Osaka, 538-0053, Japan

TELEPHONE NUMBER: 81-6-6939-1321 FAX NUMBER: 81-6-6939-2541 http://www.arakawachem.co.jp

2.COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Disproportionated rosin, partial calcium salt

SYNONYM(S):

CAS REGISTRY NUMBER: 9007-13-0*

TSCA NUMBER: 9007-13-0*

EINECS NUMBER : 232-694-8

EXISTING CHEMICAL SUBSTANCE NUMBER OF JMITI : (7)-941

INGREDIENTS AND COMPOSITION: Disproportionated rosin, partial calcium salt 100%

CHEMICAL FORMULA (CONSTITUTIONAL FORMULA, STRUCTUAL FORMULA): Unspecified

UN CLASS: Not applicable UN NO: Not applicable

3.HAZARDS IDENTIFICATION

According to the present state of knowledge, provided that this product is handled correctly, there is no known danger to human.

CLASS NAME OF HAZARDOUS CHEMICALS FOR SDS IN JAPAN:

Not applicable in accordance with Japanese Fire Service Low

PHYSICAL AND CHEMICAL HAZARDS: Flammable at extremely high temperature

ADVERSE HUMAN HEALTH EFFECT:

SKIN CONTACT : Prolonged exposure may cause skin irritation.

EYE CONTACT : May cause pain and slight transient (temporary) irritation.

INHALATION : Powder or fume may cause eye and the respiratory tract irritation.

INGESTION : No practical symptom reported

CHRONIC EFFECTS : No practical symptom reported

ENVIRONMENTAL EFFECTS: No practical symptom reported

4.FIRST-AID MEASURES

EYE CONTACT: Immediately rinse the affected eyes, including under the eyelids, with clean water for at least fifteen minutes and see a doctor.

SKIN CNTACT: Wash the affected area under running water using a mild soap.

INHALATION: Move the victim to fresh air. See a doctor.

INGESTION: Give the victim some glasses of water and try to get the victim to vomit. (However, do not make an unconscious person vomit.) Immediately see a doctor.

EPAHO104002388

5.FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, foam, dry chemical powder or carbon dioxide.

SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:

A lot of smoke and soot may come out.

6.ACCIDENTAL RELEASE MEASURES

Sweep up, place in a bag and hold for waste disposal, or take up and place in closed container.

7.HANDLING AND STORAGE

HANDLING: Handle only in the well-ventilated areas. Wear suitable protective equipment.

Avoid formation of dust. Keep away from sources of ignition.

STORAGE: Keep containers in a cool and well-ventilated indoor. Keep containers tightly closed when in no use.

8.EXPOSURE CONTROL/PERSONAL PROTECTION

CONTROL PARAMETERS: Not set in ACGIH

RESPIRATORY PROTECTION: Filter respirator, Dust respirator

EYE PROTECTION: Safety goggles, Chemical goggles

HAND, SKIN AND BODY PROTECTION: Protective gloves, Protective clothing.

9.PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, FOAM: Solid

APPEARANCE:	White powder
ODOR:	Slight odor
DENSITY:	0.4 (Bulk at 20 °C)
BOILING POINT:	Not Available
MELTING POINT:	Softening point 145 °C
VAPOR PRESSURE:	Not Available
SOLUBILITY IN WATER:	Insoluble

SOLUBILITY IN (1) n-Hexane : Soluble, (2) Ethanol: Partially soluble

10.PHYSICAL HAZARD (STABILITY AND REACTIVITY)

STABILITY AND REACTIVITY: Stable under recommended condition of storage and handling.

FLASH POINT: over 228 °C

AUTOIGNITION TEMPERATURE: Not autoignite under 300 °C

UPPER AND LOWER EXPLOSION LIMIT: Not applicable

FLAMMABILITY: Flammable at extremely high temperature

SPONTANEOUS COMBUSTIBILITY: Not applicable in accordance with Japanese Fire Service Low

REACTIVITY WITH WATER: Not applicable in accordance with Japanese Fire Service Low

OXIDIZABILITY: Not applicable in accordance with Japanese Fire Service Low

SELF-REACTIVITY: Not applicable in accordance with Japanese Fire Service Low

DUST EXPLOSIVENESS: This product can form an explosive dust and air mixture. Avoid dust formation and control ignition sources. Employ explosion relief provisions in accord with accepted engineering practices in process operation, storage, transport and dispose.

EPAHO104002389

11.TOXICOLOGICAL INFORMATION

CORROSIVE AND IRRITANT PROPERTIES:

Primary irritation index of 0.0 (rabbit skin)

Powder or fume may cause eye and the respiratory tract irritation.

ALLERGENIC AND SENSITIZING EFFECTS: Repeated and Prolong exposure may cause allergenic and sensitizing effects.

ACUTE TOXICITY: LD50 1,771 mg/kg (Rat, oral)

SUB-CHRONIC TOXICITY: No practical symptom reported

CHROCNIC TOXICITY: No practical symptom reported

CARCINOGENIC EFFECTS: No practical symptom reported

MUTAGENIC EFFECTS: Negative in the Ames Test

EFFECTS ON THE REPRODUCTIVE SYSTEM: No practical symptom reported

TERATOGENIC EFFECTS: No practical symptom reported

12.ECOLOGICAL INFORMATION

This product is a rosin derivative that was made from natural pine trees and neutralized with calcium. There are no used lead, arsenic, chromium, cadmium, mercury and halides as raw materials.

BIODEGRADABILITY: No practical symptom reported

BIOACCUMULATION: No practical symptom reported

FISH TOXICITY: No practical symptom reported

13.DISPOSAL CONSIDERATION

Disposing this material/ container should follow all regulations or an authorized waste collector in your country. Bury on an authorized landfill site or incinerate under approved controlled condition.

14.TRANSPORT INFORMATION

Keep away from direct sunlight and contact with water. Avoid overturn, fall-down and any other damage on loading and transporting. Transport material under competent regulations in your country.

15.REGULATORY INFORMATION

Arakawa Chemical Industries, Ltd. is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

Classification and Labelling Information:
This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

EINECS STATUS

This chemical substance is listed as Resin acids and Rosin acids, calcium salts (EINECS No: 232-694-8).

16.OTHER INFORMATION

REFERENCES:

OTHERS:

POSITIVE LIST NUMBER OF JHOSPA : C10-1

FDA REGULATION : 178-3870

All the information herein described is either from our own data or technical reference openly available from the publication. Users of the product herein mentioned are requested to utilize the information at their own responsibility. The information given here is based on the newest ones at the time of the preparation of the

EPAHO104002390

data sheets.

However, it may be corrected from time to time due to the alteration of law/regulation and/or newly obtained toxic data.

EPAHO104002391

To whom it may concern

ARAKAWA Chemical Ind. Ltd.

Certificate of Analysis

Analysis of the Sample is as follows

Product	PINECRYSTAL KR-50M		
Lot No.	R32024		
Characteristic	Unit	Analysis	Specification
Appearance	Visual	White Powder	White Powder
Particle size	%, 2mm pass	100	100
Bulk density	g/ml	0. 40	0.35-0.45
Color (50% xylene soln.)	Hazen	250	400 max
Acid value	mg KOH/g	94. 6	90.0-100.0
Softening point	℃, R&B	153. 0	145.0-160.0

KISUMA

MATERIAL SAFETY DATA SHEET

Revision nr.: 1
Date: 28/09/00
Supersedes:

ALCAMIZER-1 (Hydrotalcite-like compound)

MSDS Code: 410E0100

No danger Symbols

1. Identification

Identification of the product:	Magnesium Aluminium Hydroxide Carbonate Hydrate
Type of product and use:	Fine Powder
Company Identification:	KISUMA CHEMICALS B.V. P.O. Box 400 9640 AK Veendam The Netherlands
Emergency phone nr.	+31 (0) 598 666766

2. Information ingredients

Substance name	Value (s)	CAS nr	Symbol (s)	R-Phrase (s)
Magnesium Aluminium Hydroxide Carbonate Hydrate		11097-59-9	Nothing	Nothing

3. Hazards identification: Nothing

Risk Phrases	:
Main Hazard	:
Inhalation	:
Skin contact	:
Eye contact	:
Ingestion	:

4. First aid measures

First aid

- General information : Wash with water.
- Inhalation : Powder is discharged with phlegm or mucus.
- Skin contact : Wash with water.
- Eye contact : Flash with clean water.
- Ingestion : In case of large amount, drink large quantity of water and induce vomiting.

5. Fire fighting measures

Extinguishing media

- Suitable : ALCAMIZER-1 is a flame retardant.
- Not to be used : Non

Special exposure hazards : Non
Protection against fire : Non-flammable

6. Accidental release measures

Personal precautions	: It is better to wear recommended personal protective equipment. (See 8.)
Environmental precausion	: Obey the law of your country
After spillage/leakage	: Sweep together and dispose according to the laws of your country.
Additional information	: Nothing

7. Handling and storage

Storage	: ALCAMIZER-1 should be stored in dry place.
Handling	: It is better to use gloves made of rubber and glasses.

KISUMA CHEMICALS

MATERIAL SAFETY DATA SHEET

ALCAMIZER-1 (Hydrotalcite-like compound)

MSDS Code: 410E0100

8. Exposure controls / personal protection

Personal protection

- Additional instruction on the design of technical installation : Nothing of particular protections.
- Occupational exposure limit : No data.
- Respiratory protection : Masks.
- Skin protection : Work clothes (Nothing of particular protection).
- Hand protection : Gloves made of rubber.
- Eye protection : Glasses
- Industrial hygiene : Wash hands with water after work.

9. Physical and chemical properties

Physical sate at 25°C	: Solid
Form	: Fine powder
Colour	: White
Odour	: Odourless
Change in physical state	
• Evaporation	: Not applicable
• Sublimation	: Not applicable
Flash point	: Not applicable
Flammability	: Non flammable
Ignition Temperature	: Not applicable
Auto flammability	: Not applicable
Oxidising properties	: Not applicable
Explosive properties	: Not applicable
Freezing point (°C)	: Not applicable
Inicial boiling point (°C)	: Not applicable
Bulk density	: 0.3-0.5 g/ml
Vapour pressure (hPa)	: Not applicable
Relative vapour density (air=1)	: Not applicable
Solubility in water (% weight)	: Nil
pH value (concentrated product)	: 9.0±0.5 (1g / 50ml C_2H_5OH)
% Volatises (by weight)	: Not applicable

10. Stability and reactivity

Hazardous decomposition products	: Nothing
Hazardous reactions	: Will not occur
Material to avoid	: Strong acid with less than pH=1
Conditions to avoid	: Wet or high temperature

11. Toxicological information

- On products : Mutagenicity test --- No mutagenicity in bacteria
- On ingredients : No data
- Acute toxicity : Hydrotalcite – LD_{50} = over 10,000 mg/kg (mice)
- Irritation : No problem
- Sensation, Chronic toxicity : Sub-chronic toxicity of Hydrotalcite – No problem
- Carcinogen, mutagen and Teratogen status : No data

KISUMA chemicals

MATERIAL SAFETY DATA SHEET

ALCAMIZER-1 (Hydrotalcite-like compound)

MSDS Code: 410E0100

12. Ecological information

ON PRODUCT

Mobility	: Dispose according to the laws of your country
Degradability	: Nil
Accumulation	: Non
Effects on short and long terms	: Non

ON INGREDIENTS

Mobility	: No problem
Degradability	: Nil
Accumulation	: Non
Effects on short and long terms	: Non

13. Disposal considerations

Disposal	: In accordance with the laws of your country.

14. Transportation information (Land, Inland navigation, Sea navigation and Air transport)

- NA :
- UN No. :
- ADR/RID :
- IMO-IMDG code :
- Hazard Label(s) : Unnecessary
- Tremcard nr. :

15. Regulatory information

Symbol(s)	: Nothing
R-Phrase(s)	: Nothing
S-Phrases(s)	: Nothing
EINECS No.	: 2343193
TSCA	: Registered
Water Hazardous Class (Germany)	: Class 0

16. Other Information

The contents are based on the documents and information which we currently possess, and the data and evaluations contained therein are not subject to any guarantee whatsoever. Also, the items mentioned are for normal handling, and in the case of special handling, you are requested to carry out safety measures suitable to the new purpose and method of use before handling.

KISUMA
CHEMICALS

CERTIFICATE OF CONFORMITY

Chemson Inc.

KCBV Customer code	00112003	Your product code	
KCBV Ordernumber	6002769	Name of product	ALCAMIZER 1
Your Ordernumber	PO#8924	Lot No.	4102008A48
		Production date	18-01-2008
		Quantity (kg)	8,800

Parameter	Actual value	Specification Min.	Max	Unit	Method
Loss on drying (105 °C/1hr)	0.06		0.5	wt %	0001B
Average particle size % 50	0.55	0.50 -	0.80	µm	0007B
Particle size <= 1 µm	82.2	75.0		%	0007B
Particle size >= 5 µm	0.0		0.0	%	0007B
Specific surface area	9	5 -	13	m²/g	0008A
Sieve test (45 µm)	< 10			mg/20g	0009A
Appearance	White odorless fine powder			None	0012A
Al2O3	21			%	0102
Fe	28			ppm	0102
MgO	34			%	0102
MgO/Al2O3	4.02	3.7 -	4.1	None	0102

Digitally made,
QC Supervisor
Date, 25-03-2008

KISUMA CHEMICALS BV
P.O. Box 400
9640 AX VEENDAM, The Netherlands

Billitonweg 7
9641 KZ VEENDAM, The Netherlands

Tel. +31 (0)598 666786
Fax +31 (0)598 690792
Email info@kisuma.com

ABN-AMRO 50.09.45.640
IBAN: NL74ABNA0509845640
BIC: ABNANL2A

VAT NL 2065.00.116.B01
Trade Register 02061424

Bank of Tokyo-Mitsubishi 53.56.14.671
IBAN: NL93BOTK0535614671
BIC: BOTKNL2X

EPAHO104002396

BOX # 105

TYPE OF DOCUMENTS: _____

DOCUMENTS OF INTEREST:

- many folders for various companies containing waste stream characterizations and approvals for CES to transport the waste. Five folders do contain paperwork showing that the waste was shipped from the generator.

VIOLATIONS SUPPORTED: DOT RCRA SDWA OSHA

BOX SEARECH BY: [redacted]

DATE SEARCHED: 9/1/09

EPAHO105000001

Hephzibah Corp 2149
Prof # 2149

EPAHO10500002

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/11/2007**

Dear **Jeff Yuma**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2149

Generator: Hephzibah Corporation
Address: 11000 Old Beaumont Hwy
Houston, TX 77078

Waste Information

Name of Waste: Dirty empty poly drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Dirty, RCRA empty poly drums abandoned on facility by previous tenant. Drums last contained non-hazardous compounds including truck wash soap, polymers, and other nor hazardous water treatment compounds
Color: various-blue, white, bl **Odor:** none **pH:** na
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Hephzibah Corporation		
Address:	11000 Old Beaumont Hwy		
City, State, Zip:	Houston, TX 77078		
Contact:	Jeff Yuna	**Title:**	
Phone No:	713-876-1550	**Fax No:**	832-201-8952
24/hr Phone:	713-876-1550		
U.S. EPA I.D. No:	NA		
State I.D.	N/A	**SIC Code:**	N/A

SECTION 2: Billing Information – ☒ Same as Above

Company:	same as above		
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Dirty/Empty Poly Drums
Detailed Description of Process Generating Waste: Dirty, RCRA empty poly drums abandoned on facility by previous tenant. Drums last contained non-hazardous compounds including truck wash soap, polymers, and other non-hazardous water treatment compounds

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: various - blue, white, black **Odor:** none

Specific Gravity (water=1): NA **Density:** NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 10-24 **Other:**
Texas State Waste Code No: RECYCLE
Proper U.S. DOT Shipping Name: non-RCRA, Non-DOT reg material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides mg/l	Reactive Cyanides mg/l	Solids
NA	NA	NA	NA	100% NA

Oil&Grease	TOC	Zinc	Copper	Nickel
mg/l NA	NA mg/l	NA mg/l	NA mg/l	NA mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS/FATHE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Empty poly drums	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

NA

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

NA

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: 0
TCLP Volatiles: 0
TCLP Semi-Volatiles: 0
Reactivity: 0
Corrosivity: 0
Ignitability: 0

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 4/10/07

Printed Name/Title: Jeffrey M Yuna /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rabhan Bhargava

Date: 4-11-07 (Approved) Rejected

Approval Number: 2149

Additional Information: REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper; 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

2150 Allied Petrochemical
Prof # 2150

EPAHO10500008

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/13/2007**

Dear **J.A. Kessel**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2150

Generator: Allied Petrochemical LLC
Address: 2330 FM 2917
Alvin, TX 77511

Waste Information

Name of Waste: Alcohol/water
TCEQ Waste Code #: 00111191
Container Type:
Detailed Description of Process Generating Waste:
Stripping MeOH from biodiesel coproduct glycerine
Color: opaque **Odor:** fat **pH:** 6.5
Physical State:
Incompatibilities: strong oxidizing agents, i.e., nitrates, perchlorates, or sulfuric acid
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	ALLIED PETROCHEMICAL LLC		
Address:	2330 FM 2917		
City, State, Zip:	ALVIN, TX 77511		
Contact:	J.A. KESSEL	**Title:**	PRESIDENT
Phone No:	281-393-1233	**Fax No:**	281-393-1242
24/hr Phone:			
U.S. EPA I.D. No:	TXR000065300		
State I.D.	87747	**SIC Code:**	2911

SECTION 2: Billing Information – ☐ Same as Above

Company:	ALLIED PETROCHEMICAL LLC		
Address:	PO BOX 459		
City, State, Zip:	FRIENDSWOOD, TX 77549-0459		
Contact:	J.A. KESSEL	**Title:**	PRESIDENT
Phone No:	281-393-1233	**Fax No:**	281-393-1242

SECTION 3: General Description of the Waste

Name of Waste: ALCOHOL/WATER
Detailed Description of Process Generating Waste: STRIPPING MEOH FROM BIODIESEL COPRODUCT GLYCERINE

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: OPAQUE **Odor:** FAT

Specific Gravity (water=1): .962 @ 60 **Density:** 8.0 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☐	Drum	☐	Tote	☒	Truck	☐ Other (explain)
Container Size:		____		____		5,600 GAL	____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: 00111191
Proper U.S. DOT Shipping Name: LIQUID, NOIS
Class: 3 **UN/NA:** UN 1230 **PG:** II **RQ:** NA

Flash Point 83°F	**pH** 6.5	**Reactive Sulfides** 0 mg/l	**Reactive Cyanides** 0 mg/l	**Solids** > 1 %
Oil&Grease >1500 mg/l	**TOC** >1500 mg/l	**Zinc** 0 mg/l	**Copper** 0 mg/l	**Nickel** 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Unit or %
H2O	76-80%	%
MEOH	< 24%	%
FAT	< 5%	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): STRONG OXIDIZING AGENTS, I.E. NITRATES, PERCHLORATES OR SULFURIC ACID

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: ____

SECTION 9: Generator's Certification

The information contained herein is based on [X] generator knowledge and/or [ ] analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] **Date:** 04/05/07

Printed Name/Title: J.A. KESSEL, PRESIDENT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Robbin R Thangard Date: 4-13-07 Approved Rejected Approval Number: 2150	OL

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☒ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

JR
MB

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: -2150

Customer: Allied Petrochemical LLC

Waste Generator: Allied Petrochemical LLC

Waste Stream Name: Alcohol/water

Expiration Date: 4/13/2009

✓

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

- TCLP Metals
- TCLP Volatiles
- TCLP Semi-volatiles
- Reactivity
- Corrosivity
- Ignitability

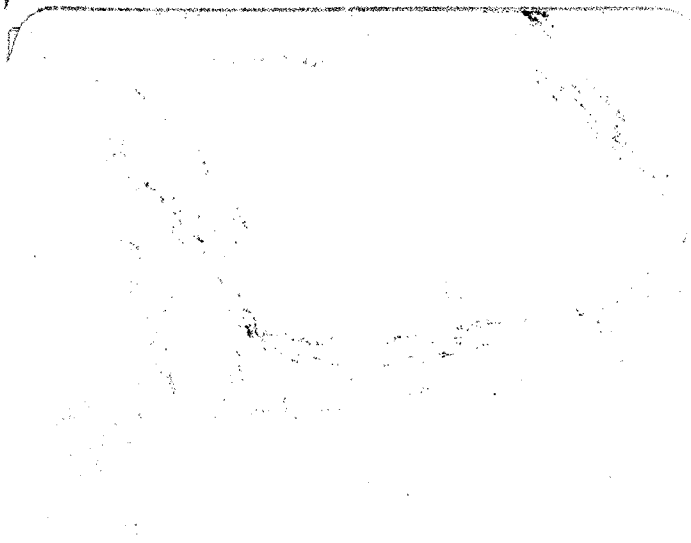
ALLIED PETROCHEMICAL LLC
Customer Name

Signature

J.A. KESSEL, PRESIDENT
Company / Title

05/13/09
Date

Merichem 2151
Prof# 2151



EPAHO105000015

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/17/2007**

Dear **Robert Blickhan**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2151

Generator: Merichem @ Westway Terminals
Address: 7600 J W Peavy Dr.
Houston, TX 77011

Waste Information

Name of Waste: Light Ends
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Water / light ends from purging a line
Color: clear to brown **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Merichem @ Westway Terminals		
Address:	7600 J W Peavy Dr.		
City, State, Zip:	Houston, TX 77011		
Contact:	Robert Blickhan	**Title:**	
Phone No:	713-428-5039	**Fax No:**	
24/hr Phone:	713-428-5039		
U.S. EPA I.D. No:	N/A		
State I.D.	N/A	**SIC Code:**	N/A

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Light Ends
Detailed Description of Process Generating Waste: Water/Light Ends from purgin a line

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: Clear to Brown **Odor:** Hydrocarbon

Specific Gravity (water=1): 1 **Density:** 8.34 lbs/gal

Layers: ☒ **Single-phase** ☐ **Multi-phase**

Container Type: ☒ **Drum** ☐ **Tote** ☐ **Truck** ☐ **Other (explain)**
Container Size: 55

Frequency: ☒ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☐ **Yearly**
Number of Units (containers): 10 **Other:** _____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Flammable liquids, n.o.s.
Class: 3 **UN/NA:** UN1993 **PG:** II **RQ:** NA

Flash Point >105	**pH** 3-11	**Reactive Sulfides** N/Amg/l	**Reactive Cyanides** N/Amg/l	**Solids** 0-2%
Oil&Grease N/Amg/l	**TOC** NAmg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

EPAHO105000017

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	50-80	%
Light Ends (gasoline, diesel)	20-50	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Robert Blickhan **Date:** 4/17/07

Printed Name/Title: Robert Blickhan

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert Blickhan Date: 4-17-07 (Approved) Rejected Approval Number: 2151	

EPAHO105000018

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000019

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000020

2152 TBC Brianadd
Prof # 2152

EPAHO10500021

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/13/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2152

Generator: TBC Brianadd
Address: 235 Fariss St.
Houston, TX 77054

Waste Information

Name of Waste: Non-haz organic liquids.
TCEQ Waste Code #: CESQ2191
Container Type:
Detailed Description of Process Generating Waste:
Out of date, off-spec material.
Color: brownish to cloudy **Odor:** hydrocarbon **pH:** 6-10
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

DB

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC Brinadd
Address: 235 Fariss
City, State, Zip: Houston TX 77054
Contact: Rich Title: General Manager
Phone No: 713-664-4911 Fax No: 713-986-2838
24/hr Phone: 281-541-4829
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CKG Services LLC
Address: 10707 Honea Egypt Rd
City, State, Zip: Montgomery TX 77316
Contact: Zac McKaughan Title: President
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Non-Haz organic Liquids
Detailed Description of Process Generating Waste: out of Date – out of spec material

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Brownish to Cloudy Odor: hydrocarbon

Specific Gravity (water=1): .9-1.2 Density: 8-9 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ Bulk ____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 2500 Other: ____
Texas State Waste Code No: CESQ2191
Proper U.S. DOT Shipping Name: Non RCRA, Non DOT regulated organic liq.
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
7140	6-10	N/A mg/l	N/A mg/l	1-5 %

Oil&Grease	TOC	Zinc	Copper	Nickel
7500 mg/l	75-80,000 mg/l	N/A mg/l	N/A mg/l	N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Poly Ethelene Glycol	3-10	%
Diesel	2-5	%
Water	50-80	%
Solid/salts	0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Generator knowledge None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidyers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: 4/11/07

Printed Name/Title: Zan McKaushan

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Mangold Additional Information: OL

Date: 4-13-07 Approved Rejected New park

Approval Number: 2152 26/gal 10-2020 Solids

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☑ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000026

TARGA MIDSTREAM SER 2154
CES-2154

EPAHO105000027

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/19/2007**

Dear **Orval W Lewis**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2154

Generator: Targa Midstream Services LP
Address: 10319 Hwy 146 North
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Disulfide Oil Product
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
UOP Merox system that converts light mercaptans (ethyl and methyl mercaptans mainly) into Disulfide oil in the regeneration process of the Caustic
Color: dark **Odor:** disulfide **pH:** NA
Physical State:
Incompatibilities:
Safety Related Data/Special Handling:
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Targa Midstream Services LP		
Address:	10319 Hwy 146 North		
City, State, Zip:	Mont Belvieu, TX 77580		
Contact:	Orval Lewis	**Title:**	Technician
Phone No:	281-385-3215	**Fax No:**	281-385-3188
24/hr Phone:	281-732-7595		
U.S. EPA I.D. No:	TXD0980625974		
State I.D.	RRGEN	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Targa Midstream Services LP		
Address:	PO Box 10		
City, State, Zip:	Mont Belvieu, TX 77580		
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Disulfide Oil Product
Detailed Description of Process Generating Waste: UOP Merox system that converts light mercaptans (Ethyl and Methyl Mercaptans mainly) into Disulfide Oil in the regeneration process of the Caustic

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: dark **Odor:** disulfide

Specific Gravity (water=1): 0.9794 **Density:** 8-8.3 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 5000gal ____

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 2 **Other:** ____
Texas State Waste Code No: Product
Proper U.S. DOT Shipping Name: Flammable Liquid, N.O.S., (Dimethyl Sulfide)
Class: 3 **UN/NA:** UN1993 **PG:** III **RQ:** NA

Flash Point <40F	**pH** NA	**Reactive Sulfides** NAmg/l	**Reactive Cyanides** NAmg/l	**Solids** 0%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO105000029

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Diluent Oil	20-80	%
Dimethyl Disulfide	0-20	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 4-18-07

Printed Name/Title: None needed - Product

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: L. Cue Date: 4-19-07 (Approved) Rejected Approval Number: 2154	**Process Facility Information:** Trans - $475/load Management fee $0.06/lb Trailer Washout $275 QA/QC then ship to KMTX

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000031

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000032

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DIALKYL DISULFIDE OIL MIXTURE (OILY DISULFIDE)

SYNONYM: Oily Disulfide

COMPANY IDENTIFICATION

Targa Midstream Services L P
1000 Louisiana Suite 4300
Houston, Texas 77002-5050

PRODUCT INFORMATION: (281) 385-3100

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr.): (800) 231-0623

TRANSPORTATION (24 hr.): CHEMTREC
(800) 424-9300 or (202) 483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % DIALKYL DISULFIDE OIL MIXTURE (OILY DISULFIDE)

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
DILUENT OIL	< 80.0 %		
INCLUDING			
DIMETHYL DISULFIDE Chemical Name: DISULFIDE, DIMETHYL CAS624920	< 20.0 %		
DIETHYL DISULFIDE Chemical Name: DISULFIDE, DIETHYL CAS110816	< 20.0 %		

Revision Number: 4 Revision Date: 09/22/98 MSDS Number: 003823

NDA - No Data Available NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P. O. Box 4054, Richmond, CA 94804

DIALKYL DISULFIDE
Chemical Name: DISULFIDE, DIALKYL
CAS68955964 < 20.0%

TLV - Threshold Limit Value
STEL - Short-term Exposure Limit
RQ - Reporting Quantity
C - Ceiling Limit
A1-5 - Appendix A Categories
TWA - Time Weighted Average
TPQ - Threshold Planning Quantity
PEL - Permissible Exposure Limit
CAS - Chemical Abstract Service Number
0 - Change Has Been Proposed

3. HAZARDS IDENTIFICATION

**********EMERGENCY OVERVIEW**********

Medium brown oil liquid with a typical disulfide odor.

- EXTREMELY FLAMMABLE
- HARMFUL IF SWALLOWED OR INHALED
- MAY CAUSE EYE AND SKIN IRRITATION

****

POTENTIAL HEALTH EFFECTS
EYE:
This substance is slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the injury will depend of the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.
SKIN:
This substance is a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. However, it should be practically non-toxic to internal organs if it gets on the skin.
INGESTION:
This substance is moderately toxic to internal organs if swallowed. The degree of injury will depend on the amount absorbed from the gut.
INHALATION:
This substance is moderately toxic to internal organs if inhaled. The degree of injury will depend on the airborne concentration and duration of exposure. The target organ (s) is the CNS. This substance may be irritation if inhaled. This hazard evaluation is based on the known toxicity of the ingredients in this substance.
SIGNS AND SYMPTOMS OF EXPOSURE:
EYE: May include pain, tears, swelling, redness, and blurred vision.
SKIN: May include pain or a feeling of heat, discoloration, swelling, and blistering.
INHALATION: Central nervous system effects may include one or more of following: headache, dizziness, loss of appetite, weakness and loss of coordination.

EPAHO105000034

4. FIRST AID MEASURES

EYE:
Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary. However, if irritation persists, see a doctor.

SKIN:
Remove contaminated clothing.. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.

INGESTION:
If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel.. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

INHALATION:
If respiratory irritation or any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASH POINT: <40F
AUTOIGNITION: 446F
FLAMMABILITY LIMITS (% by volume in air): Lower: NDA Upper: NDA
(Est. LEL=0.0; UEL=3.0)
EXTINGUISHING MEDIA:
C02, Dry Chemical, Foam, Water Fog.
NFPA RATINGS: HEALTH 3; FLAMMABILITY 3; REACTIVITY 0.
FIRE FIGHTING INSTRUCTIONS:
This material presents a fire hazard. Liquid quickly evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperatures rises above 15 F. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur. Incomplete combustion can produce carbon monoxide.

EPAHO105000035

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800) 424-9300 or (202)483-7616
ACCIDENTAL RELEASE MEASURES:

Eliminate all sources of ignition in vicinity of spill or released vapor. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:
Before entry into confined spaces that may have contained hazardous material, determine concentrations and take appropriate measures for personal protection. Material presents a hazard that may require personal protective equipment for entry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT
EYE/FACE PROTECTION:
Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.
SKIN PROTECTION:
Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.
RESPIRATORY PROTECTION:
Wear approved respiratory protection when working with this material unless ventilation is adequate to keep airborne concentrations below recommended exposure standards.
ENGINEERING CONTROLS:
Use this material only in well ventilate areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:
Medium brown oily liquid with a typical disulfide odor.
pH: NDA
VAPOR PRESSURE: 3.5 PSIA @ 60F (Reid).
VAPOR DENSITY

EPAHO105000036

(Air=1) :	4.32
BOILING POINT:	154F
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY	Insoluble in water; soluble in alcohol and ether
SPECIFIC GRAVITY:	0.9794
DENSITY:	NDA
EVAPORATION RATE:	10+ (Min.)
VISCOSITY:	28.1 SUS @ 100F
PERCENT VOLATILE:	
(VOL)	<10% @ 100F
MOLECULAR WEIGHT:	125 (Approx.)

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:
Emits toxic fumes of oxides of sulfur when heated to decomposition or when reacted with acids.
CHEMICAL STABILITY:
Stable at temperatures below 110C.
CONDITIONS TO AVOID:
No data available
INCOMPATIBILITY WITH OTHER MATERIALS:
No data available.
HAZARDOUS POLYMERIZATION:
Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:
No product toxicology data available.
SKIN EFFECTS:
No product toxicology data available.
ACUTE ORAL EFFECTS:
No product toxicology data available. The hazard evaluation was based on data on the components.
ACUTE INHALATION EFFECTS:
No product toxicology data available. The hazard evaluation was based on data on the components.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:
No data available.
ENVIRONMENTAL FATE:
No data available.

EPAHO105000037

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:
Use material for its intended purpose or recycle if possible. This material, if it must be discarded, is a hazardous waste (ignitable characteristic) as defined by USEPA and RCRA (40CFR261). Contact with this material may contaminate the other media and qualify that substance as a hazardous waste (toxicity characteristic). Measurement of certain physical properties or analysis for regulated components may be necessary to make a correct determination. Federal law requires disposal of all hazardous waste at a licensed disposal facility.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: FLAMMABLE LIQUID, N.O.S., (DIMETHYL SULFIDE)
DOT HAZARD CLASS: 3 (FLAMMABLE LIQUID)
DOT IDENTIFICATION NUMBER: UN1993
DOT PACKING GROUP: III

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:	1. Immediate (Acute) Health Effects:	YES
	2. Delayed (Chronic) Health Effects:	NO
	3. Fire Hazard:	YES
	4. Sudden Release of Pressure Hazard:	NO
	5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	21=TSCA Sect 4 (e)
02=MASS RTK	12=CERC;A 302.1	22= TSCA Sect 5 (a) (e) (f)
03=NTP Carcinogen	13=MN RTK	23=TSCA Sect 6
04=CA Prop 65-Carcin	14=ACGIH TWA	24=TSCA Sect 12 (b)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	25=TSCASect 8 (a)
06=IARC Group 1	16=ACGIH Calc TLV	26=TSCA Sect 8 (d)
07=IARC Group 2A	17=OSHA PEL	28=Canaduan WHMIS
08=IARC Group 2B	19=Chevron TWA	29=OSHA CEILING
09=SARA 302/304	20=EPA Carcinogen	30=Chevron STEL
10=PA RTK		

The following components of this material are found on the regulatory lists indicated.

EPAHO105000038

DISULFIDE, DIMETHYL
is found on lists: 02, 10, 11, 25,

16. OTHER INFORMATION

NFPA RATINGS: Health 3; Flammability 3; Reactivity 0;
Least - 0, Slight - 1, Moderate - 2, High - 3, Extreme - 4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:
Changes have been made throughout this Material Safety Data Sheet. Read the entire document.

****

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for h is particular purpose.

LCS

LABORATORY ANALYSIS REPORT

LCS Reference: T2004-1298H
CUSTOMER Reference: Charles

FOR: Prowaste
PRODUCT: Dynoil
SAMPLE DRAWN FROM: Submitted
LOCATION: Houston, Texas
DATE SAMPLE ANALYSISED: March 4, 2004

TEST	METHOD	RESULTS
COMPOSITE		
API GRAVITY @ 60°F	ASTM D-4052	11.1
VISCOSITY CST @ 50°C	ASTM D-445	.74
WATER BY DISTILLATION,VOL%	ASTM D-95	0.20
FLASHPOINT °F	ASTM D-93, METH. B	90
ASH %WT	ASTM D-482	0.023
SULFUR %WT	ASTM D-4294	0.002
TOTAL CHLORIDES, ppm	SM 4500 CL-D	8000+
TOTAL CHLORINE, ppm	SM 4500 CL-D	0
TOTAL HALOGENS, ppm	SW 9075	8000+
TOTAL ORGANIC CARBON, Wt%	SM 5310	27%
BTU Gross		18674
BTU Net		17666
METALS		
ARSENIC, ppm	AA	60 ppb
CADMIUM, ppm	AA	BDL
CHROMIUM, ppm	AA	2 ppm
LEAD, ppm	AA	BDL
BERYLLIUM, ppm	AA	BDL
MERCURY, ppm	AA	BDL
ANTIMONY, ppm	AA	BDL
BARIUM, ppm	AA	BDL
SILVER, ppm	AA	BDL
TITANIUM, ppm	AA	BDL
NICKEL, ppm	AA	BDL
ZINC, ppm	AA	BDL
SELENIUM, ppm	AA	BDL

Robert Sinks

Robert Sinks

LCS REPRESENTATIVE

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2154**

Customer: **Targa Midstream Services LP**

Waste Generator: **Targa Midstream Services LP**

Waste Stream Name: **Disulfide Oil Product** ✓

Expiration Date: **4/19/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

Please send new profile as waste stream has changed.

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

TARGA MIDSTREAM
Customer Name

Signature

TERMINAL MGR
Company / Title

4/22/09
Date

GATX
Profile # 2156 2156

EPAHO10500042

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/19/2007**

Dear **Ricardo Salias**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2156

Generator: GATX (Hearne)
Address: 1401 W. Brown St.
Hearne, TX 77859

Waste Information

Name of Waste: Propylene Tetramer
TCEQ Waste Code #: N/A
Container Type:
Detailed Description of Process Generating Waste:
Removal of material prior to cleaning railcars
Color: Clear **Odor:** None **pH:** 3-11
Physical State:
Incompatibilities: Strong Oxidizers
Safety Related Data/Special Handling:
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: GATX - HEARNE
Address: PO Box 969
City, State, Zip: Hearne, TX 77859
Contact: Ricardo Salas Title: Environmental Manager
Phone No: 979-279-7053 Fax No:
24/hr Phone:
U.S. EPA I.D. No: N/A
State I.D. N/A SIC Code:

SECTION 2: Billing Information – [X] Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Propylene Tetramer
Detailed Description of Process Generating Waste: Removal of material from railcar prior to cleaning

Physical State: [X] Liquid [ ] Sludge [ ] Powder [ ] Solid [ ] Filter Cake [ ] Combination

Color: clear Odor: none

Specific Gravity (water=1): 0.95 Density: 8 lbs/gal

Layers: [X] Single-phase [ ] Multi-phase

Container Type: [ ] Drum [ ] Tote [X] Truck [ ] Other (explain)
Container Size: 300

Frequency: [ ] Weekly [X] Monthly [ ] Quarterly [ ] Yearly
Number of Units (containers): 1 Other:
Texas State Waste Code No: [redacted] N/A - Recycle
Proper U.S. DOT Shipping Name: Propylene Tetramer
Class: 3 UN/NA: UN2850 PG: III RQ:

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
7120	3-11	N/A mg/l	N/A mg/l	0 %

Oil&Grease	TOC	Zinc	Copper	Nickel
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

EPAHO105000044

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
propylene tetramer	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A - Product **Date:** 4-19-07

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Matt Bo

Date: 4-19-07 (Approved) Rejected

Approval Number: 2154

Process Facility Information: Blend Product with Light Ends
#0.25/gallon
#450 Trans.
#50/drum
#20/drum trans

EPAHO105000045

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000046

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000047

Matt Bowman

From: Ricardo.Salias@gatx.com
Sent: Wednesday, April 18, 2007 6:37 AM
To: mbowman@cesenvironmental.com
Subject: Propylene Tetramer MSDS

----- Forwarded by Ricardo Salias/CHI/GATXCORP on 04/18/2007 07:31 AM -----

Cover Sheet: Link

French MSDS:

MSDS NUMBER:

CUSTOMER NUMBER: S6733

STOCK NUMBER:

CIN NUMBER:

STCC NUMBER:

Material Safety Data Sheet

SUNOCO

MATERIAL SAFETY DATA SHEET

------1. CHEMICAL PRODUCT AND COMPANY INFORMATION ------

PRODUCT NAME: PROPYLENE TETRAMER

MANUFACTURER INFORMATION:
SUNOCO, INC. (R&M)
TEN PENN CENTER
1801 MARKET STREET
PHILADELPHIA, PENNSYLVANIA, 19103-1699

EMERGENCY PHONE NUMBERS:
CHEMTREC: (800) 424-9300
SUNOCO INC.: (800) 964-8861

INFORMATION:
PRODUCT SAFETY INFORMATION: (610) 859-1120

PRODUCT USE: SURFACTANT MANUFACTURING

------2. COMPOSITION/INFORMATION ON INGREDIENTS ------

COMPONENT	CAS NO.	AMOUNT (VOL%)
PROPYLENE TETRAMER	68526-58-9	100

EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS):

	CAS NO.	GOVERNING BODY	EXPOSURE LIMITS	
PROPYLENE TETRAMER	68526-58-9	SUNOCO	TWA	100 PPM

------3. HAZARDS IDENTIFICATION ------

EMERGENCY OVERVIEW:

CAUTION!

COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE SKIN IRRITATION. HARMFUL OR FATAL IF

SWALLOWED. PULMONARY ASPIRATION HAZARD. PRODUCT MAY ENTER LUNGS AND CAUSE DAMAGE.

HAZARDS RATINGS:

KEY:
0 = LEAST
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME

	NFPA	HMIS
HEALTH	1	2
FIRE	1	2
REACTIVITY	0	0
PPI		X

POTENTIAL HEALTH EFFECTS:

PRE EXISTING MEDICAL CONDITIONS:
THE FOLLOWING DISEASES OR DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS.

INHALATION:
HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES, NOSE, THROAT, AND LUNGS.

LC50 (MG/L): NO DATA
LC50 (MG/M3): NO DATA
LC50 (PPM): NO DATA

SKIN:
PRACTICALLY NON-TOXIC IF ABSORBED THROUGH THE SKIN. MODERATELY IRRITATING TO THE SKIN.

DRAIZE SKIN SCORE: 3.66 OUT OF 8.0
LD50 (MG/KG): NO DATA

EYES: MILDLY IRRITATING TO THE EYES.

INGESTION:
PRODUCT MAY BE HARMFUL OR FATAL IF SWALLOWED. MATERIAL IS A PULMONARY ASPIRATION HAZARD. MATERIAL CAN ENTER LUNGS AND CAUSE DAMAGE.
LD50 (G/KG): 31

------4. FIRST AID MEASURES ------

INHALATION:
REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.
IF BREATHING IS DIFFICULT, GIVE OXYGEN AND CONTINUE TO MONITOR.
GET MEDICAL ATTENTION.

SKIN:
WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. WASH CLOTHING BEFORE REUSE.

EYES:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION, IF IRRITATION PERSISTS.

INGESTION:
DO NOT INDUCE VOMITING!
DO NOT GIVE LIQUIDS!
GET MEDICAL ATTENTION IMMEDIATELY.

------5. FIRE FIGHTING MEASURES ------

EXTINGUISHING MEDIA: WATER SPRAY REGULAR FOAM DRY CHEMICAL CARBON DIOXIDE.

FIRE FIGHTING INSTRUCTIONS:
COOL TANK AND CONTAINER. WEAR STRUCTURAL FIRE FIGHTING GEAR.

FLAMMABLE PROPERTIES:

	TYPICAL	MINIMUM	MAXIMUM	TEXT RESULT	UNITS	METHOD

FLASH POINT	136 MINIMUM TOC	F	N/A
AUTOIGNITION TEMPERATURE	NO DATA	F	N/A
LOWER EXPLOSION LIMIT	NO DATA	%	N/A
UPPER EXPLOSION LIMIT	NO DATA	%	N/A

------6. ACCIDENTAL RELEASE MEASURES ------

CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AS STATED IN SECTION 8 OF THIS MSDS. ADVISE THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND APPROPRIATE STATE AGENCIES, IF REQUIRED. ABSORB SPILL WITH INERT MATERIAL (E.G., DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER. VACUUM OR SWEEP UP MATERIAL AND PLACE IN A DISPOSAL CONTAINER.

------7. HANDLING AND STORAGE ------

HANDLING:
GROUND AND BOND CONTAINERS WHEN TRANSFERRING MATERIAL. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH THOROUGHLY AFTER HANDLING. NEVER SIPHON BY MOUTH.

STORAGE:
KEEP AWAY FROM HEAT, SPARKS, AND FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. NFPA CLASS II STORAGE. FLASH POINT IS GREATER THAN 100 DEGREES F AND LESS THAN 140 DEGREES F.

------8. EXPOSURE CONTROLS/PERSONAL PROTECTION ------

CONSULT WITH A HEALTH AND SAFETY PROFESSIONAL FOR SPECIFIC SELECTIONS

ENGINEERING CONTROLS:
USE WITH ADEQUATE VENTILATION. VENTILATION IS NORMALLY REQUIRED WHEN HANDLING OR USING THIS PRODUCT TO KEEP EXPOSURE TO AIRBORNE CONTAMINANTS BELOW THE EXPOSURE LIMIT.

PERSONAL PROTECTION:

EYE PROTECTION:
SPLASH PROOF CHEMICAL GOGGLES ARE RECOMMENDED TO PROTECT AGAINST THE SPLASH OF PRODUCT.

GLOVES OR HAND PROTECTION:
PROTECTIVE GLOVES ARE RECOMMENDED WHEN PROLONGED SKIN CONTACT CANNOT BE AVOIDED.

RESPIRATORY PROTECTION:
CONCENTRATION IN AIR DETERMINES THE LEVEL OF RESPIRATORY PROTECTION NEEDED. USE ONLY NIOSH CERTIFIED RESPIRATORY EQUIPMENT.

OTHER:
WHERE SPLASHING IS POSSIBLE, FULL CHEMICALLY RESISTANT PROTECTIVE CLOTHING (E.G., ACID SUIT) AND BOOTS ARE REQUIRED. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

------9. PHYSICAL AND CHEMICAL PROPERTIES ------

PHYSICAL PROPERTY	TYPICAL	UNITS	TEXT RESULT	REFERENCE
APPEARANCE		N/A	COLORLESS LIQUID	
BOILING POINT		F	350 TO 400	
BULK DENSITY		LB/GAL	NO DATA	
MELTING POINT		F	NO DATA	
MOLECULAR WEIGHT		G/MOLE	NO DATA	

OCTANOL/WATER COEFFICIENT		N/A	NO DATA	
pH		N/A	NO DATA	
SPECIFIC GRAVITY	0.78	N/A		
SOLUBILITY IN WATER		WT %	NIL	
ODOR		N/A	HYDROCARBON ODOR.	
ODOR THRESHOLD		PPM	NO DATA	
VAPOR PRESSURE		MMHg	NO DATA	@ 20 C
VISCOSITY (F)		SUS	NO DATA	
VISCOSITY (C)		CST	NO DATA	
% VOLATILE	100	WT %		

------10. STABILITY AND REACTIVITY ------

STABILITY: STABLE

CONDITIONS TO AVOID:
AVOID HEAT, SPARKS AND OPEN FLAME. AVOID STATIC DISCHARGE.

INCOMPATIBILITY: STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS:
COMBUSTION MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE AND OTHER ASPHYXIANTS.

HAZARDOUS POLYMERIZATION: WILL NOT POLYMERIZE.

------11. ECOLOGICAL INFORMATION ------

NO DATA AVAILABLE

------12. *DISPOSAL CONSIDERATIONS* ------

FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS. CONTACT TO AUTHORIZED DISPOSAL SERVICE. DO NOT FLUSH MATERIAL TO DRAIN OR STORM SEWER.

------13. TRANSPORT INFORMATION ------

GOVERNING BODY	MODE	PROPER SHIPPING NAME
DOT	GROUND	PROPYLENE TETRAMER

GOVERNING BODY	MODE	HAZARD CLASS	UN/NA NO.	LABEL
DOT	GROUND	3 (FLAMMABLE LIQUID)	2850	

------14. REGULATORY INFORMATION ------

REGULATORY LIST	COMPONENT	CAS NO.
INVENTORY - CANADA - DOMESTIC SUBSTANCE LIST	PROPYLENE TETRAMER	68526-58-9
INVENTORY - JAPAN - (ENCS)	PROPYLENE TETRAMER	68526-58-9
INVENTORY - KOREA - EXISTING AND EVALUATED	PROPYLENE TETRAMER	68526-58-9
INVENTORY - TSCA - SECT. 8(B) INVENTORY	PROPYLENE TETRAMER	68526-58-9
NEW JERSEY - DEPARTMENT OF HEALTH RTK LIST	PROPYLENE TETRAMER	68526-58-9

TITLE III CLASSIFICATIONS SECTIONS 311, 312:
ACUTE: YES
CHRONIC: NO

EPAHO105000051

FIRE: YES
REACTIVITY: NO
SUDDEN RELEASE OF PRESSURE: NO

------15. OTHER INFORMATION ------

NO DATA AVAILABLE

R00000005500

04/03/01

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

This document is not current as of 04/19/2007. Please review TAILS to make sure that the document is still valid.

Enterprise
Profile # 2157 2157

EPAHO10500053

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/19/2007**

Dear **Mike Tomerlin**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2157

Generator: Enterprise Products Operating, L.P.
Address: 10207 FM 1942, Attn: Rachel Wheaton
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Universal Waste
TCEQ Waste Code #: N/A
Container Type: Boxes/Pallets
Detailed Description of Process Generating Waste:
Universal waste generated from daily operations
Color: Varies **Odor:** None **pH:** NA
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Enterprise Products Company
Address: 10207 FM 1942
City, State, Zip: Mont Belvie, TX 77580
Contact: Stephen Crais Title:
Phone No: 281-385-4200 Fax No:
24/hr Phone:
U.S. EPA I.D. No: N/A
State I.D. N/A SIC Code: N/A

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Universal Waste
Detailed Description of Process Generating Waste: Universal waste generated from daily operations.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: various Odor: None

Specific Gravity (water=1): N/A Density: N/A lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Boxes, Pallets
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 10 Other: ____
Texas State Waste Code No: N/A
Proper U.S. DOT Shipping Name: Non DOT Regulated Materials
Class: ____ UN/NA: ____ PG: ____ RQ: ____

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	NA	NA mg/l	NA mg/l	10 %

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

EPAHO105000055

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Ballast	0 - 100	%
Capacitors	0 - 100	%
Transformers	0 - 100	%
Light Bulbs	0 - 100	%
Computer monitors / CRT	0 - 100	%
Batteries	0 - 100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A per Matt Bowman **Date:** 4-19-07

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Matt Bowman Date: 4-19-07 (Approved) Rejected Approval Number: 2157	

EPAHO105000056

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000057

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

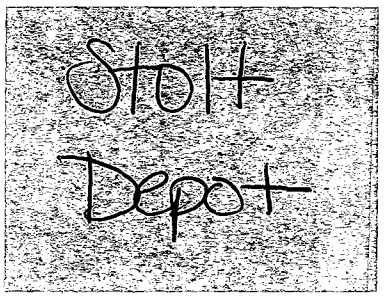
SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000058

STOLT NIELSON DEPOT 2159
2159

EPAHO105000059


Staff
Depot

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/19/2007**

Dear **Leon Nell**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2159

Generator: Stolt-Nielson Depot
Address: 16300 DeZavalla Road
Channelview, TX 77530

Waste Information

Name of Waste: Paint Booth Filters
TCEQ Waste Code #: CESQ3192
Container Type:
Detailed Description of Process Generating Waste:
Used filters from paint booth operations
Color: varids **Odor:** none **pH:** 5.62
Physical State:
Incompatibilities: Oxidizers
Safety Related Data/Special Handling:
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Stolt Depot		
Address:	16300 Dezavla		
City, State, Zip:	Channelview, TX 77530		
Contact:	Leon Nell	**Title:**	Manager
Phone No:	281-452-2155	**Fax No:**	
24/hr Phone:	281-452-2155		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Paint booth filters
Detailed Description of Process Generating Waste: Used filters from paint booth operations

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: varies **Odor:** none

Specific Gravity (water=1): _____ **Density:** _____ lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☒	**Drum**	☐ **Tote**	☐	**Truck**	☐	**Other (explain)**
Container Size:		55 gal	_____		_____		_____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 10 **Other:** _____
Texas State Waste Code No: CESQ3192
Proper U.S. DOT Shipping Name: Non RCRA/Non DOT Regulated Material
Class: na **UN/NA:** na **PG:** na **RQ:** na

Flash Point >150	**pH** 5.62	**Reactive Sulfides** namg/l	**Reactive Cyanides** namg/l	**Solids** 100%
Oil&Grease _____mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO105000062

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Fiberglass Filter	95-100	%
Inert Dried Paint	0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analytical #609101 & #7020052

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ____
TCLP Volatiles: ____
TCLP Semi-Volatiles: ____
Reactivity: ____
Corrosivity: ____
Ignitability: ____

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 2-9-07

Printed Name/Title: Leon Nell

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: L. Cline	
Date: 4-19-07 (Approved) Rejected	
Approval Number: _____	

TO Dana Carter

04/17/2007 11:54 2818606307 SNTG TANKWASH PAGE 01/01

EPAHO105000063

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000064

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000065

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

FEB 1 3 2007

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: (713) 676-1676

Attn: **Dana Carter**

- CERTIFICATE OF RESULTS -

MES Lab#: 7020052

Client Sample ID: Paint Booth Filters
Extended ID: Stolt Depot

Sample Collect Date: 2/5/2007 @ 8:20:00 AM
Sample Receipt Date: 2/5/2007 @ 9:05:00 AM

Sample Type: Comp

Test Group / Method

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time	
Vinyl chloride	0.010	0.2	< 0.010	mg/L	2/6/2007 /	9:39 PM
1,1-Dichloroethene	0.005	0.7	< 0.005	mg/L	2/6/2007 /	9:39 PM
2-Butanone	0.050	200	< 0.050	mg/L	2/6/2007 /	9:39 PM
Chloroform	0.005	6	< 0.005	mg/L	2/6/2007 /	9:39 PM
Carbon tetrachloride	0.005	0.5	< 0.005	mg/L	2/6/2007 /	9:39 PM
1,2-Dichloroethane	0.005	0.5	< 0.005	mg/L	2/6/2007 /	9:39 PM
Benzene	0.005	0.5	< 0.005	mg/L	2/6/2007 /	9:39 PM
Trichloroethene	0.005	0.5	< 0.005	mg/L	2/6/2007 /	9:39 PM
Tetrachloroethene	0.005	0.7	< 0.005	mg/L	2/6/2007 /	9:39 PM
Chlorobenzene	0.005	100	< 0.005	mg/L	2/6/2007 /	9:39 PM
1,4-Dichlorobenzene	0.005	7.5	< 0.005	mg/L	2/6/2007 /	9:39 PM
Hexachlorobutadiene	0.005	0.5	< 0.005	mg/L	2/6/2007 /	9:39 PM

TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time	
Pyridine	0.10	5	< 0.10	mg/L	2/7/2007 /	11:06 AM
1,4-Dichlorobenzene	0.10	7.5	< 0.10	mg/L	2/7/2007 /	11:06 AM
o-Cresol	0.10	200	< 0.10	mg/L	2/7/2007 /	11:06 AM
m+p-Cresol	0.10	200	< 0.10	mg/L	2/7/2007 /	11:06 AM
Hexachloroethane	0.10	3	< 0.10	mg/L	2/7/2007 /	11:06 AM
Nitrobenzene	0.10	2	< 0.10	mg/L	2/7/2007 /	11:06 AM
Hexachlorobutadiene	0.10	0.5	< 0.10	mg/L	2/7/2007 /	11:06 AM
2,4,6-Trichlorophenol	0.10	2	< 0.10	mg/L	2/7/2007 /	11:06 AM
2,4,5-Trichlorophenol	0.10	400	< 0.10	mg/L	2/7/2007 /	11:06 AM
2,4-Dinitrotoluene	0.10	0.13	< 0.10	mg/L	2/7/2007 /	11:06 AM
Hexachlorobenzene	0.10	0.13	< 0.10	mg/L	2/7/2007 /	11:06 AM
Pentachlorophenol	1.00	100	< 1.00	mg/L	2/7/2007 /	11:06 AM

EPAHO105000066

- CERTIFICATE OF RESULTS -

MES Lab#: 7020052

Client Sample ID: Paint Booth Filters
Extended ID: Stolt Depot

Sample Collect Date: 2/5/2007 @ 8:20:00 AM **Sample Type:** Comp
Sample Receipt Date: 2/5/2007 @ 9:05:00 AM

TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: TFR Date / Time	
Antimony	0.032	1	< 0.032	mg/L	2/7/2007 /	9:25 PM
Beryllium	0.005	0.08	**0.006**	**mg/L**	2/7/2007 /	9:25 PM
Nickel	0.015	70	< 0.015	mg/L	2/7/2007 /	9:25 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TFR Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	2/7/2007 /	10:12 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Thursday, February 08, 2007
Date

EPAHO105000067

7020052

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	89.8
Toluene-d8	100.8
4-Bromofluorobenzene	101.3

VOLATILES	MS %REC	MSD %REC	%RSD	CCV %REC	MB mg/L	LCS %REC	LCSD %REC	%RSD
Vinyl Chloride	108.2	94.6	3.4	96.1	< 0.010	107.4	106.8	0.1
1,1-Dichloroethene	99.0	91	2.1	88.4	< 0.005	100.4	98	0.6
2-Butanone	103.0	95.6	1.9	90.6	< 0.050	101.8	103.6	0.4
Chloroform	93.8	86	2.2	88.2	< 0.005	96.2	96.2	0.0
Carbon tetrachloride	107.4	94.8	3.1	96.2	< 0.005	111.4	109.2	0.5
1,2-Dichloroethane	91.4	85.8	1.6	88.8	< 0.005	94.6	93	0.4
Benzene	99.4	94	1.4	90.8	< 0.005	97.8	95.6	0.6
Trichloroethene	96.8	88.6	2.2	90.2	< 0.005	98.8	99.6	0.2
Tetrachloroethene	100.0	91.4	2.2	87.7	< 0.005	139.0	98.8	8.5
Chlorobenzene	94.2	86.2	2.2	92	< 0.005	100.4	96.6	1.0
1,4-Dichlorobenzene	89.0	78.4	3.2	88.6	< 0.005	96.6	93.6	0.8
Hexachlorobutadiene	69.0	56.4	5.0	86	< 0.005	99.4	97	0.6

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES	% REC
2-Fluorophenol	44.6
Phenol-d6	31.0
Nitrobenzene-d5	35.2
2-Fluorobiphenyl	46.8
2,4,6-Tribromophenol	31.5
p-Terphenyl-d14	79.2

SEMI-VOLATILES	MS %REC	MSD %REC	CCV %REC	MB mg/L	LCS %REC	LCSD %REC
Pyridine	40.5	49.8	84.1	< 0.05	34.4	49.6
1,4-Dichlorobenzene	38.2	45.8	113.3	< 0.05	56.2	46.6
o-Cresol	34.3	40.5	110.0	< 0.05	57.8	53.8
m+p Cresol	35.3	37.6	117.4	< 0.05	54.2	45
Hexachloroethane	52.3	39.1	115.7	< 0.05	49.6	49.1
Nitrobenzene	33.1	53.8	106.2	< 0.05	42.5	51.4
Hexachloro-1,3-butadiene	34.9	36.3	101.4	< 0.05	51	65.2
2,4,6-Trichlorophenol	39.2	40.4	101.9	< 0.05	41.8	65.6
2,4,5-Trichlorophenol	36.6	36.9	96.3	< 0.05	37.9	59.6
2,4-Dinitrotoluene	29.6	29.6	95.3	< 0.05	28.7	57.2
Hexachlorobenzene	47.6	46.6	112.6	< 0.05	54.4	46.4
Pentachlorophenol	29.1	24	65.4	< 0.5	47	41.1

QA/QC REPORT CONTINUED

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Antimony	< 0.005	107.5	111	3.32	< 0.005	105	81.2	83.6	2.9
Beryllium	< 0.002	109.6	110	0.73	< 0.002	107	82.1	84.6	3.1
Nickel	< 0.001	105	106	1.66	< 0.001	104	69.3	74.9	7.7

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MDL=Minimum Detection Limit
MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery
RL=Regulatory Limit

Signature: _____

Holland D. Gilmore / Laboratory Director

February 8, 2007

MES - CHAIN OF CUSTODY

MES
Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
1-800-771-4MES
(281) 476-4534
Fax (281)-476-4406

1
COMPANY NAME: (BILL TO:) CES Environmental
COMPANY ADDRESS: 4904 Griggs Road
CITY Houston STATE TX ZIP 77021
CONTACT PERSON'S NAME: Dana Carter
CONTACT PERSON'S PHONE: 713-748-9804 FAX #: 713-6716-16716

2
YOUR PROJECT NO.: Stolt Depot | YOUR P.O. #: | YOUR PROJECT NAME: Paint Booth Filters
PROJECT ADDRESS:

4 PARAMETERS FOR ANALYSIS

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP Volatiles	TCLP Semi-Volatiles	TCLP 3+ Metals					NUMBER OF CONTAINERS	PRESERVATIONS
Paint Booth Filters	Comp	2/5	820am		X	X	X						

5 REMARKS
TURNAROUND TIME: Std
DETECTION LIMITS SPECIAL LIMITS REQUIRED: Yes No
Please circle one, if Yes, please describe below or include separate sheet detailing requirements.

Once 5°C

3

6
PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):
a. Dana Carter b. Dana Carter
RELINQUISHED BY: (Signature) Dana Carter DATE 2/5 TIME 9:05 RECEIVED BY: (Signature) Cassie DeBell

7
RELINQUISHED BY: (Signature) | DATE | TIME | RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) | DATE | TIME | RECEIVED BY: (Signature)

METHOD OF PAYMENT | SHIPPED BY: (Signature) | COURIER (Signature) | RECEIVED FOR MES BY: (Signature) Cassie DeBell | DATE 2/5 | TIME 9:05

8
Sample Remainder Disposal
☐ Return Sample Remainder To Client Via _____
☐ I Request Lab To Dispose Of All Sample Remainders
(Signature) _____ (Date) _____

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample **PINK – Retained by Customer** **WHITE – Returned with Report**

EPAHO105000070

MES - CHAIN OF CUSTODY

Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
1-800-771-4MES
(281) 476-4534
Fax (281)-476-4406

1

COMPANY NAME: (BILL TO:) CES Environmental
COMPANY ADDRESS: 9904 Grass Road
CITY Houston STATE TX ZIP 77021
CONTACT PERSON'S NAME: Dana Carter
CONTACT PERSON'S PHONE: 713-748-9001 FAX #: 713-676-6616

2

YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
Tilt Depot		Paint Booth Filters

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP Volatiles	TCLP Semi Volatiles	[illegible]					NUMBER OF CONTAINERS	PRESERVATIONS
Paint Booth Filters	comp	[illegible]	[illegible]		X	X	X						

4 PARAMETERS FOR ANALYSIS

5 REMARKS

TURNAROUND TIME: std

DETECTION LIMITS SPECIAL LIMITS REQUIRED
Yes No
Please circle one, if Yes, please describe below or include separate sheet detailing requirements.

Once 5C

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
a. [illegible] b. Dana Carter	Dana Carter	8/5	9:05	[illegible]

7

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)

METHOD OF PAYMENT	SHIPPED BY: (Signature)	COURIER (Signature)	RECEIVED FOR MES BY: (Signature)	DATE	TIME
			[illegible]	8/5	9:05

8

Sample Remainder Disposal
☐ Return Sample Remainder To Client Via _____

☐ I Request Lab To Dispose Of All Sample Remainders
(Signature) _____ (Date) _____

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

EPAHO105000071

2171 Houston Plating & Coating LLC
Prof # 2171

EPAHO105000072

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/23/2007**

Dear **Joe Stankovich**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2171

Generator: Houston Plating & Coatings LLC (Virginia)
Address: 1404 Virginia
South Houston, TX 77587

Waste Information

Name of Waste: Non-Hazardous DN-30 Parts Washer
TCEQ Waste Code #: 00092051
Container Type:
Detailed Description of Process Generating Waste:
Used DN-30 Washer and water used to clean parts prior to phosphating operations.
Color: Brown **Odor:** Mild **pH:** 7-11
Physical State:
Incompatibilities: None known
Safety Related Data/Special Handling:
None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company :	Houston Plating & Coatings LLC (Virginia)		
Address :	1404 Virginia PO Box 418		
City, State, Zip :	South Houston TX 77587		
Contact :	Joe Stankovich	**Title :**	
Phone No :	(713) 946-8920	**Fax :**	(713) 946-8487
24 / HR Phone :			
U.S EPA I.D No :	TXR000001750		
State I.D :	83275	**SIC Code**	

SECTION 2: Billing Information

Company :	Houston Plating & Coatings LLC (Virginia)		
Address :	PO Box 418		
City, State, Zip :	South Houston TX 77587		
Contact :	Joe Stankovich	**Title :**	
Phone No :	(713) 946-8920	**Fax :**	(713) 946-8487

SECTION 3: General Description of the Waste

Name of Waste : Non-Hazardous DN-30 Parts Washer

Detailed Description of Process Generating Waste:

Used DN-30 Washer and water used to clean parts prior to phosphating operations.

Physical State : ☑ Liquid ☑ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color : Brown **Odor :** Mild

Specific Gravity (Water=1) : 1.1 **Density :** 9 lbs / gal

Layers : ☐ Single-Phas ☑ Multi-Phase

Container Type : ☑ Drum ☐ Tote ☑ Truck ☐ Other (explain)

Container Size :

Number Of Units :

Texas State Waste Code No : 00092051

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated DN-30 Parts Washer (aquious)

Class : NA **UN/NA :** NA **PG :** NA **RQ :** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	7-11	0 mg/l	0 mg/l	0-10% %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
0-2% mg/l	<10000 mg/l	varies mg/l	.47 mg/l	1.585 mg/l

EPAHO105000074

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
DN 30 Parts Washer	60-75	%
Water	25-40	%
Oil and Grease	0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
TCLP Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ____
TCLP Volatiles: BTEX
TCLP Semi-Volatiles: X
Reactivity: ____
Corrosivity: ____
Ignitability: ____

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Joseph Stankovich **Date:** 04/19/07

Printed Name/Title: Joe Stankovich/Vice President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 4-20-07 Approved Rejected

Approval Number: _____

Process Facility Information:

#300 Transp.
#.21/gal. disposal plus .03/gal. solids surcharge for 2-10% concent.

Material should be sent to offsite deepwell

EPAHO105000075

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☒ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000076

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☒ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000077

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
Phone (713) 676-1460
Fax (713) 676-1676

TCEQ
PO Box 13087 (MC129)
Austin, TX 78711-3087

To Whom It May Concern:

This letter is in reference to waste manifest number 0014400673 shipped on 11/27/06. We would like to make the following corrections:

1. The Waste Code Number in Section 13A should be 00212051

Copies of this letter will be sent and kept on file at the following:

A. The Generator (Houston Plating and Coating)
B. The Transporter (CES Environmental Services) State ID 30900
C. The Receiving Facility (CES Environmental Services) State ID 30900
D. The TCEQ

If you have any questions regarding this matter, please call Dan Bowman at 713-676-1460.

Thanks,

Dan Bowman
Agent Houston Plating

or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

FORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD982556391	1	(713) 946-8920	001400673 JJK

GENERATOR

5. Generator's Name and Mailing Address
Houston Plating & Coatings LLC
[redacted] PO Box 418
South Houston, TX 77587
Generator's Phone: (713) 946-8920

Generator's Site Address (if different than mailing address)
Houston Plating & Coatings LLC
1315 Georgia, PO Box 418
South Houston, TX 77587
(713) 946-8920

6. Transporter 1 Company Name: CES Environmental Services, Inc. — U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4804 Griggs Rd.
Houston TX, 77021
Facility's Phone: (713) 678-1460
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non-hazardous waste liquids (Spent DN 30 Parts Washer)	1	TT	1,300	G	[illegible] D002 D035
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
CES Profile # CES Job # - 36939 P.O. 4415
11a) 1293 11b) 11c) 11d)
Emergency Contact : Dan Bowman at (713) 854-8130

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Joseph Stankovich — Signature: Joseph Stankovich — Month: 11 Day: 27 Year: 06

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jose Espinal — Signature — Month: 11 Day: 27 Year: 06

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Anthony Costa — Signature — Month: 11 Day: 27 Year: 06

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

EPAHO105000079

LABORATORY TEST RESULTS

Job ID : 88907

Date 4/9/2007

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Composite Sample Used DN30 Parts Wash Cleaner-1401

Client Sample ID: Container #1
Date Collected: 03/28/07
Time Collected: 08:30
Other Information:

Job Sample ID: 88907.01
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	TCLP Metals								
	Antimony	0.4552	mg/L	1	0.1	1.0		03/30/07 16:00	SC
	Arsenic	0.1612	mg/L	1	0.1	1.8		03/30/07 16:00	SC
	Barium	1.758	mg/L	1	0.1	100.0		03/30/07 16:00	SC
	Beryllium	BRL	mg/L	1	0.08	0.08		03/30/07 16:00	SC
	Cadmium	BRL	mg/L	1	0.1	0.5		03/30/07 16:00	SC
	Chromium	0.7148	mg/L	1	0.1	5.0		03/30/07 16:00	SC
	Lead	BRL	mg/L	1	0.1	1.5		03/30/07 16:00	SC
	Nickel	1.585	mg/L	1	0.1	70		03/30/07 16:00	SC
	Selenium	BRL	mg/L	1	0.500	1.0		03/30/07 16:00	SC
	Silver	BRL	mg/L	1	0.1	5		03/30/07 16:00	SC
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		04/05/07 12:30	RB

EPAHO105000080

LABORATORY TEST RESULTS

Job ID : 88907

Date 4/9/2007

Client Name: Houston Plating Company, LLC
Attn: Joseph Stankovich
Project ID: Composite Sample Used DN30 Parts Wash Cleaner-1401

Client Sample ID: Container #2
Date Collected: 03/28/07
Time Collected: 08:30
Other Information:

Job Sample ID: 88907.02
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				04/03/07 10:00	KS
SW-846 7.3									
	Reactive Cyanide	BRL	mg/L	1	25			04/04/07 09:45	KS
SW-846 7.3									
	Reactive Sulfide	BRL	mg/L	1	25			04/04/07 11:00	KS
SW-846 9040C	Corrosivity, pH								
	pH	10.35	s.u.	1				04/03/07 12:00	KS

LABORATORY TEST RESULTS

Job ID : 88907

Date 4/9/2007

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Composite Sample Used DN30 Parts Wash Cleaner-1401

Client Sample ID: Containers #3 & #4
Date Collected: 03/28/07
Time Collected: 08:30
Other Information:

Job Sample ID: 88907.03
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8021B	Purgeable Aromatics								
	Benzene	BRL	mg/L	1	0.002			04/04/07 13:26	SS
	Toluene	BRL	mg/L	1	0.002			04/04/07 13:26	SS
	Ethylbenzene	BRL	mg/L	1	0.002			04/04/07 13:26	SS
	Xylenes	BRL	mg/L	1	0.006			04/04/07 13:26	SS
	Trifluorotoluene(surr)	110	%	1	75-125			04/04/07 13:26	SS

EPAHO105000082

QUALITY CONTROL CERTIFICATE

Job ID : 88907 **Date :** 4/9/2007

Analysis : TCLP Metals **Method :** SW-846 6010C **Reporting Units :** mg/L

QC Batch ID : Qb07033040 **Created Date :** 03/30/07 **Created By :** Scuello

Samples in This QC Batch : 88907.01

Digestion :	PB07033009	**Prep Method :**	SW-846 3010A	**Prep Date :**	03/30/07	**Prep By :**	Rbairamadgi
TCLP Prep :	PB07032826	**Prep Method :**	SW-846 1311	**Prep Date :**	03/28/07	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Antimony	7440-36-0	BRL	mg/L	1	0.1		
Arsenic	7440-38-2	BRL	mg/L	1	0.1		
Barium	7440-39-3	BRL	mg/L	1	0.1		
Beryllium	7440-41-7	BRL	mg/L	1	0.08		
Cadmium	7440-43-9	BRL	mg/L	1	0.1		
Chromium	7440-47-3	BRL	mg/L	1	0.1		
Lead	7439-92-1	BRL	mg/L	1	0.1		
Nickel	7440-02-0	BRL	mg/L	1	0.1		
Selenium	7782-49-2	BRL	mg/L	1	0.5		
Silver	7440-22-4	BRL	mg/L	1	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	1	0.8961	89.6	1	0.8672	86.7	3.28	20	80-120	
Arsenic	1	0.9324	93.2	1	0.8990	89.9	3.64	20	80-120	
Barium	1	0.8581	85.8	1	0.8449	84.5	1.55	20	80-120	
Beryllium	1	0.8931	89.3	1	0.8566	85.7	4.17	20	80-120	
Cadmium	1	0.9037	90.4	1	0.8884	88.8	1.70	20	80-120	
Chromium	1	0.8768	87.7	1	0.8632	86.3	1.56	20	80-120	
Lead	1	0.8519	85.2	1	0.8318	83.2	2.38	20	80-120	
Nickel	1	0.8535	85.4	1	0.8422	84.2	1.33	20	80-120	
Selenium	1	0.9209	92.1	1	0.8915	89.2	3.24	20	80-120	
Silver	1	0.8713	87.1	1	0.8545	85.5	1.94	20	80-120	

QC Type: MS and MSD
QC Sample ID: 88915.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	BRL	2	1.850	92.5	2	1.881	94.1	1.66	30	45-138	
Barium	1.546	2	3.153	80.4	2	3.185	82	1.01	25	39-135	
Cadmium	BRL	2	1.747	87.4	2	1.765	88.3	1.03	25	56-125	
Chromium	BRL	2	1.733	86.7	2	1.752	87.6	1.09	25	52-125	
Lead	BRL	2	1.550	77.5	2	1.568	78.4	1.15	25	55-125	
Selenium	BRL	2	1.922	96.1	2	1.934	96.7	0.62	25	18-137	
Silver	BRL	2	1.794	89.7	2	1.815	90.8	1.16	25	26-148	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 88907 **Date :** 4/9/2007

Analysis : **Ignitability (Flash Point)** **Method :** **SW-846 1010** **Reporting Units :** **°F**

QC Batch ID : Qb07040333 **Created Date :** 04/03/07 **Created By :** Ksudha

Samples in This QC Batch : 88907.02

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	85	102	83	84	101	1.18	20	75-125	

Refer to the Definition page for terms.

EPAHO105000084

QUALITY CONTROL CERTIFICATE

Job ID : 88907 **Date :** 4/9/2007

Analysis : **Corrosivity, pH** **Method :** **SW-846 9040C** **Reporting Units :** **s.u.**

QC Batch ID : Qb07040432 **Created Date :** 04/03/07 **Created By :** Ksudha

Samples in This QC Batch : 88907.02

QC Type: Duplicate

QC Sample ID: 88877.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	7.31	7.30	s.u.	0.13	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
pH	4.0	3.98	99.5						80-120	

Refer to the Definition page for terms.

EPAHO105000085

QUALITY CONTROL CERTIFICATE

Job ID : 88907 **Date :** 4/9/2007

Analysis : **Method :** SW-846 7.3 **Reporting Units :** mg/L

QC Batch ID : Qb07040434 **Created Date :** 04/04/07 **Created By :** Ksudha

Samples in This QC Batch : 88907.02

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Cyanide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 88877.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	0.5	0.27	54	0.5	0.26	52	3.77	20	40-110	

Refer to the Definition page for terms.

EPAHO105000086

QUALITY CONTROL CERTIFICATE

Job ID : 88907 **Date :** 4/9/2007

Analysis : **Method :** SW-846 7.3 **Reporting Units :** mg/L

QC Batch ID : Qb07040437 **Created Date :** 04/04/07 **Created By :** Ksudha

Samples in This QC Batch : 88907.02

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Sulfide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 88877.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	800	686	85.8	800	666	83.3	2.96	20	40-110	

Refer to the Definition page for terms.

EPAHO105000087

QUALITY CONTROL CERTIFICATE

Job ID : 88907 **Date :** 4/9/2007

Analysis : TCLP Metals, Mercury **Method :** SW-846 7470A **Reporting Units :** mg/L

QC Batch ID : Qb07040526 **Created Date :** 04/05/07 **Created By :** Rbairamadgi

Samples in This QC Batch : 88907.01

Digestion :	PB07040504	**Prep Method :**	SW-846 7470A	**Prep Date :**	04/05/07	**Prep By :**	Rbairamadgi
TCLP Prep :	PB07032826	**Prep Method :**	SW-846 1311	**Prep Date :**	03/28/07	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.002		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0046	92						71-143	

QC Type: MS and MSD
QC Sample ID: 89080.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0048	96	0.005	0.0049	98	2.06	35	61-175	

Refer to the Definition page for terms.

EPAHO105000088

QUALITY CONTROL CERTIFICATE

Job ID : 88907 **Date :** 4/9/2007

Analysis : Purgeable Aromatics **Method :** SW-846 8021B **Reporting Units :** mg/L

QC Batch ID : Qb07040533 **Created Date :** 04/03/07 **Created By :** Ssrinivasan

Samples in This QC Batch : 88907.03

Sample Preparation : PB07040517 **Prep Method :** SW-846 5035A **Prep Date :** 04/03/07 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Benzene	71-43-2	BRL	mg/L	1	0.002	
Toluene	108-88-3	BRL	mg/L	1	0.002	
Ethylbenzene	100-41-4	BRL	mg/L	1	0.002	
Xylenes		BRL	mg/L	1	0.006	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Benzene	0.02	0.024	120	0.02	0.023	115	4.26	20	80-120	
Toluene	0.02	0.023	115	0.02	0.023	115	0	20	80-120	
Ethylbenzene	0.02	0.024	120	0.02	0.023	115	4.26	20	80-120	
Xylenes	0.06	0.069	115	0.06	0.068	113	1.46	20	80-120	

QC Type: MS and MSD
QC Sample ID: 88907.03

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Benzene	BRL	0.02	0.024	120						75-125	
Toluene	BRL	0.02	0.025	125						75-125	
Ethylbenzene	BRL	0.02	0.016	80						75-125	
Xylenes	BRL	0.06	0.050	83.3						75-125	

Refer to the Definition page for terms.

EPAHO105000089

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 88907

Date: 4/9/2007

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

EPAHO105000090

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Chain of Custody

Page 1 of 2

10100 East Fwy. (I-10), Ste. 100
Houston, TX 77029
713-453-6060
713-453-6091 Fax
ablabs.com

A&B JOB ID: 88907

5. Project #:

1. REPORT TO:
Company: Houston Plating + Coatings, LLC
Address: PO Box 418
South Houston, 77587
Contact: Joseph Stankovich
Phone: 713 946 8920
Fax: ☐ 713 946 7326
E-mail: ☐ joes@houstonplating.com

2. INVOICE TO:
Company: Houston Plating + Coatings, LLC
Address: PO. BOX 418
South Houston, 77587
Contact: Accounts Payable
Phone: 713 946 8920
Fax: ☐ 713 946 7326
E-mail: ☐

3. PO# 3952

4. Turnaround Time (Business Days)
☐ Same Day* ☐ Need by
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 7 Days * Surcharge applies

6. Project Name / Location: Composite Sample Used DN30 Parts Wash Cleaner - 1401 Virginia DN30 Tanks

7. Special Instructions (PLEASE PRINT): EPA + TCEQ Approved methods for Waste Classification
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached

8. Sampler's Name & Company (PLEASE PRINT): JOSEPH STANKOVICH, Houston Plating + Coatings, LLC
Sampler's Signature & Date: Joseph Stankovich 3/28/07

13. No. of Containers

14. Containers*													G	G	G	—	—	—	—		
15. Preservatives**													N,C	N,C	C	—	—	—	—		
16. Analyses/Methods													TCLP As, Ba, Cr, Cd, Pb, Hg	Ni, Se, Ag, Sb, Be	R, C, I	—	—	—	—		
LAB USE ONLY	Item	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix Water	Soil	Sludge	Oil	Air	Other									17. REMARKS
01	1	Composite Sample USED	3-28-07	8:30 AM	✓	—	—	—	—	—	—	✓	1	✓	✓	—	—	—	—	—	Liquid Sample/on ICE
	2	DN30 parts wash Cleaner	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	1401 Virg.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	Container #1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5																				
02	6	Composite Sample Used	3-28-07	8:30 AM	✓	—	—	—	—	—	—	✓	1	—	—	✓	—	—	—	—	Liquid Sample/on ICE
	7	DN30 parts wash Cleaner																			—
	8	1401 Virg.																			—
	9	Container #2																			—
	10																				

18. RELINQUISHED BY	DATE	TIME	19. RECEIVED BY	DATE	TIME
1 Joseph Stankovich			D. Jones	3/28/07	1250
2					
3					

20. KNOWN HAZARDS / COMMENTS: NONE KNOWN

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other

**Preservatives: C - Cool; OH - NaOH; H - HCl; T - $Na_2S_2O_3$; N - HNO_3; X - Other; S - H_2SO_4

METHOD OF SHIPMENT: Delivered by JPS

BILL OF LADING / TRACKING #: 3952

LAB USE ONLY SAMPLING _____ RENTAL _____ P/U _____

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091
Samples will be disposed of after 30 days
A & B reserves the right to return samples

EPAHO105000091

A & B Labs

Chain of Custody

Page 2 of 2

10100 East Fwy. (I-10), Ste. 100
Houston, TX 77029
713-453-6060
713-453-6091 Fax
ablabs.com

A&B JOB ID: 88907

5. Project #:

1. REPORT TO:
Company: Houston Plating & Coatings, LLC
Address: PO BOX 418
South Houston 77587
Contact: Joseph Stankovich
Phone: 713 946 8920
Fax: ☐ 713 946 7326
E-mail: ☐ joes@houstonplatingcom

2. INVOICE TO:
Company: Houston Plating & Coatings, LLC
Address: Po. Box 418
South Houston 77587
Contact: Accounts Payable
Phone: 713 946 8920
Fax: ☐ 713 946 7326
E-mail: ☐

3. PO# 3952

4. Turnaround Time (Business Days)
☐ Same Day* ☐ Need by
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 7 Days * Surcharge applies

6. Project Name / Location: Composite Sample used on DN 30 Parts Wash Cleaner - 1401 Virginia DN30 TANKS

7. Special Instructions (PLEASE PRINT): Please use EPA & TCEQ approved methods for waste Classification
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached

8. Sampler's Name & Company (PLEASE PRINT): Joseph Stankovich, Houston Plating & Coatings, LLC
Sampler's Signature & Date: Joseph Stankovich 3-28-07

13. No. of Containers
14. Containers*: VOA
15. Preservatives**: H, C
16. Analyses/Methods: BTEX

LAB USE ONLY	Item	9. Sample ID and Description	10. Sampling Date	10. Sampling Time	11. Comp.	11. Grab	12. Matrix: Water	Soil	Sludge	Oil	Air	Other	No. of Containers	BTEX	17. REMARKS
03A18	1	Composite Sample Used	3-28-07	8:30 AM	✓							✓	2	✓	Liquid Sample/on ICE
	2	DN30 parts wash cleaner	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	1401 Virg.	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	Containers 3&4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5														
	6														
	7														
	8														
	9														
	10														

	18. RELINQUISHED BY	DATE	TIME	19. RECEIVED BY	DATE	TIME
1	Joseph Stankovich			S Jones	3/29/07	1250
2						
3						

20. KNOWN HAZARDS / COMMENTS

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $Na_2S_2O_3$; X - Other

METHOD OF SHIPMENT: Delivered by JPS

BILL OF LADING / TRACKING #: 3952

LAB USE ONLY SAMPLING _____ RENTAL _____ P/U _____

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091
Samples will be disposed of after 30 days
A & B reserves the right to return samples

EPAHO105000092

Sample Condition Checklist

Date : **4/9/2007**

A&B JobID : **88907**	Date Received : **03/28/2007**	Time Received : **12:50 PM**
Client Name : **Houston Plating Company, LLC**		
Temperature : **6°C**	Sample pH : **<2 Metals**	

	Check Points	Yes	No
1.	**Cooler seal present and signed.**		X
2.	**Sample(s) in a cooler.**	X	
3.	**If yes, ice in cooler.**	X	
4.	**Sample(s) received with chain-of-custody.**	X	
5.	***C-O-C signed and dated.***	X	
6.	**Sample(s) received with signed sample custody seal.**		X
7.	**Sample containers arrived intact. (If no comment).**	X	
8.	**Matrix :** **Water** ☐ **Soil** ☐ **Liquid** ☑ **Sludge** ☐ **Solid** ☐ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☐		
9.	**Sample were received in appropriate container(s).**	X	
10.	**All samples were logged or labeled.**	X	
11.	**Sample ID labels match C-O-C ID's**	X	
12.	**Bottle count on C-O-C matches bottles found.**	X	
13.	**Sample volume is sufficient for analyses requested.**	X	
14.	**Samples were received within the hold time.**	X	
15.	**VOA vials completely filled.**	N/A	
16.	**Sample accepted.**	X	

Comments : Include actions taken to resolve discrepancies/problem:

Received by : Rgamez

Check in by/date : Rgamez / 3/28/2007

Dan Bowman

From: Joe Stankovich [joes@houstonplating.com]
Sent: Friday, April 13, 2007 11:23 AM
To: dbowman@cesenvironmental.com
Subject: New Waste Stream 1401 Virginia

Hi Dan,

In the attachment you will find the analytical on the new waste stream from 1401 Virginia.

It is the same DN30 that we use at all of our locations.

The total volume moved from the 1401 location will be just under 5, 000 gallons. We will need about

100 feet of hose. The waste code for the used DN30 parts wash cleaner is 00092051.

The information for this site is:

Houston Plating & Coatings, LLC
1401 Virginia
South Houston, Texas 77587

EPA ID TXR000017194

SWR 86371

00092051

Mailing address is:

Houston Plating & Coatings, LLC
PO Box 418
South Houston, Texas 77578

I will give you the PO when we get closer to the disposal.

joe

[redacted] Gerald A Bordelon
04/13/2007 04:14 PM

To: "Dan Bowman" <dbowman@ceienvironmental.com>
cc:
Subject: Need Quote for Another Containment Basin

Dan,

About 2.5 to 3 years ago, we purchased a 8.5' X 15" horizontal tank from Matt - -it supoorted by two belly skids. We are just now getting to
use this tank, but Citgo-LCH wants a containment basin. Please give me a quote for a 12' X 22' carbon steel basin with two 1" drain plugs,
a 1" welded nipple (threaded and capped on both ends) to be located in the front center wall of the basin that will connect to the existing 1" bulk tank
suction line - -I will have to call you back and tell you how high off the bottom of the basin in needs to be in order to line up with the height
of the 1" bulk tank valve. This is the same type of set up you did for the poly tank/containment basin that is delivering on Wednesday.

Also, please calculate the height needed for the sides of the basin (12' W x 22' L x ? Height of the sides) for the tank volume 6,357 gal. + 10% = 6,992 gals.

Thanks - -Jerry

CROSS-REFERENCE FIELD SAMPLE AND LABORATORY IDENTIFICATIONS

A&B Job ID : 88907

4/9/2007

Client Project :
Composite Sample Used DN30 Parts Wash Cleaner-1401

Field Identification	Laboratory Identification	7470 A	6010 C	1010	9040 C	7.3	8021B	
Container #1	88907.01	X	X					
Container #2	88907.02			X	X	X		
Containers #3 & #4	88907.03						X	

EPAHO105000096

Laboratory Analysis Report

Job ID : 88907

00092051

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project ID :

Composite Sample Used DN30 Parts Wash Cleaner-1401

Report To :

Client Name:	Houston Plating Company, LLC	P.O.#. :	3952
Attn:	Joseph Stankovich	Date Received :	03/28/2007
Client Address:	P.O. Box 418	Sample Collected By :	Joseph Stankovich
City, State, Zip:	Houston, Texas, 77587		

This Laboratory is NELAP (#87425) accredited.

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

Total number of pages in report:

16

Jennifer Bishop

Released By: Jennifer Bishop

Title: QA Officer

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Laboratory Analysis Report

Job ID : 89160

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project ID :

Sludge From Phos Tank/North Greenwood-6023 Navigat

Report To :

Client Name:	Houston Plating Company, LLC	P.O.#. :	3956
Attn:	Joseph Stankovich	Date Received :	04/09/2007
Client Address:	P.O. Box 418	Sample Collected By :	Joseph Stankovich
City, State, Zip:	Houston, Texas, 77587		

This Laboratory is NELAP (#87425) accredited.

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

Total number of pages in report:

13

Released By: Sonia West

Title: Senior Project Manager

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CROSS-REFERENCE FIELD SAMPLE AND LABORATORY IDENTIFICATIONS

A&B Job ID : 89160

4/18/2007

Client Project :
Sludge From Phos Tank/North Greenwood-6023 Navigat

Field Identification	Laboratory Identification	8021B	1010	9045 D	7.3	7470 A	6010 C	
HP&C,LLC Sludge From h Greenwood 6	89160.01	X	X	X	X	X	X	

EPAHO105000099

LABORATORY TEST RESULTS

Job ID : 89160

Date 4/18/2007

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Sludge From Phos Tank/North Greenwood-6023 Navigat

Client Sample ID: HP&C,LLC Sludge From Phos Tank North Greenwood 6023 Navigation

Job Sample ID: 89160.01

Date Collected: 04/09/07

Sample Matrix Sludge

Time Collected: 08:00

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				04/10/07 09:00	WS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.1	5.0		04/12/07 17:50	SC
	Barium	BRL	mg/L	1	0.1	100.0		04/12/07 17:50	SC
	Cadmium	BRL	mg/L	1	0.1	1.0		04/12/07 17:50	SC
	Chromium	BRL	mg/L	1	0.1	5.0		04/12/07 17:50	SC
	Lead	BRL	mg/L	1	0.1	5.0		04/12/07 17:50	SC
	Selenium	BRL	mg/L	1	0.500	1.0		04/12/07 17:50	SC
	Silver	BRL	mg/L	1	0.1	5.0		04/12/07 17:50	SC
SW-846 7.3									
	Reactive Cyanide	BRL	mg/Kg	1	25			04/18/07 09:00	KS
SW-846 7.3									
	Reactive Sulfide	BRL	mg/Kg	1	25			04/18/07 10:40	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		04/10/07 14:32	RB
SW-846 8021B	Purgeable Aromatics								
	Benzene	BRL	mg/Kg	1	0.01			04/09/07 19:36	SS
	Toluene	0.019	mg/Kg	1	0.01			04/09/07 19:36	SS
	Ethylbenzene	BRL	mg/Kg	1	0.01			04/09/07 19:36	SS
	Xylenes	BRL	mg/Kg	1	0.03			04/09/07 19:36	SS
	Trifluorotoluene(surr)	82	%	1	75-125			04/09/07 19:36	SS
SW-846 9045D	Corrosivity, pH								
	pH	3.39	s.u.	1				04/10/07 10:00	WS

EPAHO105000100

QUALITY CONTROL CERTIFICATE

Job ID : 89160 **Date :** 4/18/2007

Analysis : Purgeable Aromatics **Method :** SW-846 8021B **Reporting Units :** mg/Kg

QC Batch ID : Qb07040941 **Created Date :** 04/09/07 **Created By :** Ssrinivasan

Samples in This QC Batch : 89160.01

Sample Preparation : PB07040930 **Prep Method :** SW-846 5035A **Prep Date :** 04/09/07 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Benzene	71-43-2	BRL	mg/Kg	1	0.01		
Toluene	108-88-3	BRL	mg/Kg	1	0.01		
Ethylbenzene	100-41-4	BRL	mg/Kg	1	0.01		
Xylenes		BRL	mg/Kg	1	0.03		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Benzene	0.10	0.102	102	0.10	0.1	100	1.98	20	80-120	
Toluene	0.10	0.115	115	0.10	0.114	114	0.87	20	80-120	
Ethylbenzene	0.10	0.105	105	0.10	0.103	103	1.92	20	80-120	
Xylenes	0.3	0.345	115	0.30	0.343	114	0.58	20	80-120	

QC Type: MS and MSD
QC Sample ID: 88949.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Benzene	BRL	0.10	0.1	100						75-125	
Toluene	BRL	0.10	0.112	112						75-125	
Ethylbenzene	BRL	0.10	0.101	101						75-125	
Xylenes	BRL	0.30	0.331	110						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 89160 **Date :** 4/18/2007

Analysis : Ignitability (Flash Point) **Method :** SW-846 1010 **Reporting Units :** °F

QC Batch ID : Qb07041027 **Created Date :** 04/10/07 **Created By :** Ksudha

Samples in This QC Batch : 89160.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	83	100	83	84	101	1.20	20	75-125	

Refer to the Definition page for terms.

EPAHO105000102

QUALITY CONTROL CERTIFICATE

Job ID : 89160 **Date :** 4/18/2007

Analysis : Corrosivity, pH **Method :** SW-846 9045D **Reporting Units :** s.u.

QC Batch ID : Qb07041034 **Created Date :** 04/10/07 **Created By :** Ksudha

Samples in This QC Batch : 89160.01

QC Type: Duplicate

QC Sample ID: 89125.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	8.42	8.42	s.u.	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
pH	4	3.99	99.8						90-110	

Refer to the Definition page for terms.

EPAHO105000103

QUALITY CONTROL CERTIFICATE

Job ID : 89160 **Date :** 4/18/2007

Analysis : TCLP Metals, Mercury **Method :** SW-846 7470A **Reporting Units :** mg/L

QC Batch ID : Qb07041047 **Created Date :** 04/10/07 **Created By :** Rbairamadgi

Samples in This QC Batch : 89160.01

Digestion :	PB07041017	**Prep Method :**	SW-846 7470A	**Prep Date :**	04/10/07	**Prep By :**	Rbairamadgi
TCLP Prep :	PB07040936	**Prep Method :**	SW-846 1311	**Prep Date :**	04/10/07	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.002		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0053	106						71-143	

QC Type: MS and MSD
QC Sample ID: 89126.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0055	110	0.005	0.0053	106	3.7	35	61-175	

Refer to the Definition page for terms.

EPAHO105000104

QUALITY CONTROL CERTIFICATE

Job ID : 89160 **Date :** 4/18/2007

Analysis : TCLP Metals **Method :** SW-846 6010C **Reporting Units :** mg/L

QC Batch ID : Qb07041111 **Created Date :** 04/11/07 **Created By :** Scuello

Samples in This QC Batch : 89160.01

Digestion :	PB07041104	**Prep Method :**	SW-846 3010A	**Prep Date :**	04/11/07	**Prep By :**	Rbairamadgi
TCLP Prep :	PB07040936	**Prep Method :**	SW-846 1311	**Prep Date :**	04/10/07	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.1		
Barium	7440-39-3	BRL	mg/L	1	0.1		
Cadmium	7440-43-9	BRL	mg/L	1	0.1		
Chromium	7440-47-3	BRL	mg/L	1	0.1		
Lead	7439-92-1	BRL	mg/L	1	0.1		
Selenium	7782-49-2	BRL	mg/L	1	0.5		
Silver	7440-22-4	BRL	mg/L	1	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	1	0.93	93	1	0.96	96	3.17	20	80-120	
Barium	1	0.85	85	1	0.84	84	1.18	20	80-120	
Cadmium	1	0.87	87	1	0.92	92	5.59	20	80-120	
Chromium	1	0.85	85	1	0.92	92	7.91	20	80-120	
Lead	1	0.82	82	1	0.86	86	4.76	20	80-120	
Selenium	1	0.93	93	1	0.97	97	4.21	20	80-120	
Silver	1	0.93	93	1	0.99	99	6.25	20	80-120	

QC Type: MS and MSD
QC Sample ID: 89139.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	BRL	2	1.81	90.5	2	1.71	85.5	5.68	25	45-138	
Barium	2.54	2	4.08	77	2	3.94	70	3.49	25	39-135	
Cadmium	BRL	2	1.71	85.5	2	1.65	82.5	3.57	25	56-125	
Chromium	BRL	2	1.67	83.5	2	1.61	80.5	3.66	25	52-125	
Lead	BRL	2	1.55	77.5	2	1.46	73	5.98	25	55-125	
Selenium	BRL	2	1.77	88.5	2	1.68	84	5.22	25	70-130	
Silver	BRL	2	1.90	95	2	1.86	93	2.13	25	26-148	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 89160 **Date :** 4/18/2007

Analysis : **Method :** SW-846 7.3 **Reporting Units :** mg/Kg

QC Batch ID : Qb07041841 **Created Date :** 04/18/07 **Created By :** Ksudha

Samples in This QC Batch : 89160.01

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Cyanide		BRL	mg/Kg	1	25		

QC Type: Duplicate

QC Sample ID: 89159.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/Kg		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	0.5	0.24	48	0.5	0.26	52	8.00	20	40-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 89160 **Date :** 4/18/2007

Analysis : **Method :** SW-846 7.3 **Reporting Units :** mg/Kg

QC Batch ID : Qb07041843 **Created Date :** 04/18/07 **Created By :** Ksudha

Samples in This QC Batch : 89160.01

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Sulfide		BRL	mg/Kg	1	25		

QC Type: Duplicate

QC Sample ID: 89159.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	BRL	BRL	mg/Kg		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	901	90.1	1000	921	92.1	2.20	20	40-120	

Refer to the Definition page for terms.

EPAHO105000107

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 89160

Date: 4/18/2007

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

EPAHO105000108

A & B Labs

Chain of Custody

Page 1 of 1

10100 East Fwy. (I-10), Ste. 100
Houston, TX 77029
713-453-6060
713-453-6091 Fax
ablabs.com

A&B LAB ID# 59160

5. Project #

1. REPORT TO:
Company: Houston Plating & Coatings
Address: PO Box 413
South Houston 77587
Contact: Joseph Stankovich
Phone: 713 946 8920
Fax: ☐ 713 946 7326
E-mail: ☐ [illegible]

2. INVOICE TO:
Company: Houston Plating & Coatings LLC
Address: PO Box 413
South Houston 77587
Contact: [illegible]
Phone: 713 946 8920
Fax: ☐ 713 946 7326
E-mail: ☐

3. PO# 3956

4. Turnaround Time (Business Days)
☐ Same Day* ☐ Need by
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 7 Days * Surcharge applies

6. Project Name / Location: Sludge from Phos Eaik \ North Greenwood - 6023 Navigation

7. Special Instructions (PLEASE PRINT) ☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached
Please use EPA [illegible]

8. Sampler's Name & Company (PLEASE PRINT): Joseph Stankovich, Houston Plating & Coatings, LLC
Sampler's Signature & Date: [signature] 4/9/07

13. No. of Containers
14. Containers*: G, C, G
15. Preservatives**: C, C, C
16. Analyses Requested: TCLP-8RCRA Metals; As, Ba, Cd, Pb, Hg, Se, Ag; RCI; BTEX

LAB USE ONLY	Item	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix Water	Soil	Sludge	Oil	Air	Other	No. of Containers	TCLP-8RCRA Metals	As, Ba, Cd, Pb, Hg, Se, Ag	RCI	BTEX				17. REMARKS
01	1	HP&C, LLC Sludge from	4-9-07	9:00 AM	✓	–	–	–	✓	–	–	–	1	✓	✓	✓	✓	–	–	–	Sample on ICE
	2	Phos-Eaik North Greenwood																			
	3	6023 Navigation																			
	4																				
	5																				
	6																				
	7																				
	8																				
	9																				
	10																				

18. RELINQUISHED BY	DATE	TIME	19. RECEIVED BY	DATE	TIME
1 Joseph [signature]	4-9-07		[signature]	4/9/07	9:55
2					
3					

20. KNOWN HAZARDS / COMMENTS
None Known

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber Glass 1 Liter; P/O - Plastic/other

**Preservatives: C - Cool; OH - NaOH; H - HCl; T - $Na_2S_2O_3$; N - HNO_3; X - Other; S - H_2SO_4

METHOD OF SHIPMENT: Delivered by JPS
BILL OF LADING / TRACKING #: 3956

LAB USE ONLY SAMPLING _____ RENTAL _____ P/U _____

A&B cannot accept verbal changes.
Please FAX written changes to 713-453-6091
Samples will be disposed of after 30 days
A & B reserves the right to return samples

Sample Condition Checklist

Date : **4/9/2007**

A&B JobID : **89160**	Date Received : **04/09/2007**	Time Received : **09:55 AM**
Client Name : **Houston Plating Company, LLC**		
Temperature : **3°C**	Sample pH : **N/A**	

	Check Points	Yes	No
1.	**Cooler seal present and signed.**	X	
2.	**Sample(s) in a cooler.**	X	
3.	**If yes, ice in cooler.**	X	
4.	**Sample(s) received with chain-of-custody.**	X	
5.	**C-O-C signed and dated.**	X	
6.	**Sample(s) received with signed sample custody seal.**		X
7.	**Sample containers arrived intact. (If no comment).**	X	
8.	**Matrix :** **Water** ☐ **Soil** ☐ **Liquid** ☐ **Sludge** ☑ **Solid** ☐ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☐		
9.	**Sample were received in appropriate container(s).**	X	
10.	**All samples were logged or labeled.**	X	
11.	**Sample ID labels match C-O-C ID's**	X	
12.	**Bottle count on C-O-C matches bottles found.**	X	
13.	**Sample volume is sufficient for analyses requested.**	X	
14.	**Samples were received within the hold time.**	X	
15.	**VOA vials completely filled.**	N/A	
16.	**Sample accepted.**	X	

Comments : Include actions taken to resolve discrepancies/problem:

Received by : Rgamez

Check in by/date : Rgamez / 4/9/2007

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2171**

WC# 00092051

Customer: **Houston Plating & Coatings LLC (Virginia)**

Waste Generator: **Houston Plating & Coatings LLC (Virginia)**

Waste Stream Name: **Non-Hazardous DN-30 Parts Washer**

Expiration Date: **4/20/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

✓ No changes, please recertify.

○ Please send new profile as waste stream has changed.

HOUSTON PLATING + Coatings
Joseph STANICOVICH
Customer Name

Joseph Stanicovich
Signature

VP-ENVIRONMENTAL
HOUSTON PLATING+COATINGS
Company / Title

JUNE 4, 2009
Date

○ Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

- ○ TCLP Metals
- ○ TCLP Volatiles
- ○ TCLP Semi-volatiles
- ○ Reactivity
- ○ Corrosivity
- ○ Ignitability

✓

HOUSTON PLATING & COATINGS, LLC
Electroless Nickel Plating Spray Coatings SBN/QPQ

P.O. Box 418 1311 Georgia
South Houston, Texas 77587-0418
(713) 946-8920 Fax (713) 946-8487

WASTE STREAM 00092051 CLEANING SOLUTION PARTS WASH LIQUID
GENERATOR KNOWLEDGE
New Waste Stream 3/28/2007
Revised 3/7/09

The analytical the company has on this waste shows it could be a Class 2 waste but the company wants to keep things simple and classified it as Class 1.

Cleaner is used to clean metal parts. The metal parts are then coated with a phosphate coating.

A composite sample was taken on March 28, 2007 and the following analytical was

TCLP- Metals–As,Ba,Cr,Cd,Pb,Hg,Ni,Se,Ag,Sb,Be

Reactivity, Corrosivity, Ignitability

BTEX

The analytical showed that it could be Class 2 but we choose to classify it as Class 1.

Again a sample was taken on 3/7/09 and similar analytical was performed on the sample and similar results were received. The Company chooses to Classify the waste as class 1.

Joseph Stankovich
3/28/2007
3/7/09

ENVIRODYNE LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: **HOUSTON PLATING & COATING**

LAB NUMBER: AB64166A Revised

DATE COLLECTED: 07-Mar-09

DATE RECEIVED: 10-Mar-09

DATE COMPLETED: 20-Mar-09

SAMPLED BY: J.S.

Toxicity Characteristic Leaching Procedure - Metals, VOC, SVOC

EXTRACTION DATE: 12-Mar-09

TESTING DATE: 20-Mar-09

SAMPLE TYPE:	**USED CLEANER**	T.C.L.P. MAXIMUM LIMIT (mg/l)
LOCATION:	**HP&C, LLC 1401 VIRGINIA**	
PARAMETERS:		
ARSENIC (mg/l)	<1.0	5.0
BARIUM (mg/l)	<2.0	100.0
BENZENE (mg/l)	<0.10	0.5
BERYLLIUM (mg/l)	<0.001	0.080
CADMIUM (mg/l)	0.505	1.0
CARBON TETRACHLORIDE (mg/l)	<0.10	0.5
CHLOROBENZENE (mg/l)	<0.10	100.0
CHLOROFORM (mg/l)	<0.10	6.0
CHROMIUM (mg/l)	1.580	5.0
Total Cresol (mg/l)	<0.015	200.0
2-Methylphenol (mg/l)	<0.05	200.0
3&4 Methylphenol (mg/l)	<0.05	200.0
1,4-DICHLOROBENZENE (mg/l)	<0.10	7.5
1,2-DICHLOROETHANE (mg/l)	<0.10	0.5
2-BUTANONE (mg/l)	<0.20	0.5
1,1-DICHLOROETHENE (mg/l)	<0.10	0.7
2,4-DINITROTOLUENE (mg/l)	<0.005	0.13
HEXACHLOROBENZENE (mg/l)	<0.005	0.13
HEXACHLOROBUTADIENE (mg/l)	<0.005	0.5
HEXACHLOROETHANE (mg/l)	<0.005	3.0
LEAD (mg/l)	<1.0	5.0
MERCURY (mg/l)	<0.002	0.2
METHYL ETHYL KETONE (mg/l)	<0.10	200.0
NITROBENZENE (mg/l)	<0.005	2.0
PENTRACHLOROPHENOL (mg/l)	<0.005	100.0
PYRIDINE (mg/l)	<0.005	5.0
SELENIUM (mg/l)	0.362	1.0
SILVER (mg/l)	<0.02	5.0
TETRACHLOROETHENE (mg/l)	<0.10	0.7
TOXAPHENE (mg/l)	<0.005	0.5
TRICHLOROETHENE (mg/l)	<0.10	0.5
2,4,5-TRICHLOROPHENOL (mg/l)	<0.005	400.0
2,4,6-TRICHLOROPHENOL (mg/l)	<0.005	2.0
VINYL CHLORIDE (mg/l)	<0.10	0.2
PCBs (mg/l)	<2.0	

Ref. EPA SW-846

Qual: Analyzed by NELAC Certified lab T104704231-07B-TX

Lab Representative

ENVIRODYNE LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: **HOUSTON PLATING & COATINGS** LAB NUMBER: AB64166B

DATE COLLECTED: 07-Mar-09 DATE RECEIVED: 10-Mar-09

DATE COMPLETED 20-Mar-09 SAMPLED BY: J.S.

LOCATION: / PARAMETERS:	DATE INITIATED	**USED CLEANER HP&C, LLC. 1401 VIRGINIA**	METHOD NUMBER
IGNITABILITY (FLASH POINT) (F)	12-Mar-09	*>160	SW 1010
CORROSIVITY pH (Units)	12-Mar-09	*7.61	SW 846
REACTIVE SULFIDE (mg/kg)	12-Mar-09	*<40.0	SW 846
REACTIVE CYANIDES (mg/kg)	12-Mar-09	*<40.0	SW 846

Ref. EPA SW-846
*Analyzed by NELAC Certified Laboratory T104704231-07B-TX

LAB REPRESENTATIVE

281 568 7880 TEL • 281 568 8004 FAX • 11011 BROOKLET DR. #230 • HOUSTON, TX 77099-3543 • ELI@ENVIRODYNE.COM • WWW.**ENVIRODYNE**.COM

ENVIRODYNE QUALITY CONTROL DATA

Parameter: TCLP METALS

NOTE - **LAB # AB64166 WAS INCLUDED IN THIS BATCH (QC IS PERFORMED ON A 10% BASIS)**

Matrix Sample (MS) - Precision

PARAMETER	DATE	SPIKE RECOV (%)	%RPD	BLANK	ANALYST
ARSENIC	20-Mar-09	99.2	1.0	<1.0	ALS
BARIUM	20-Mar-09	91.6	0.7	<1.0	ALS
CADMIUM	20-Mar-09	94.4	0.6	<1.0	ALS
MERCURY	20-Mar-09	95.8	0.4	<0.2	ALS
CHROMIUM	20-Mar-09	94.4	0.4	<1.0	ALS
SELENIUM	20-Mar-09	96.1	1.8	<1.0	ALS
SILVER	20-Mar-09	102.3	8.2	<1.0	ALS
LEAD	20-Mar-09	93.6	1.4	<1.0	ALS

EPAHO105000115

ENVIRODYNE LABORATIORIES, INC.

Quality Control Report

TCLP - VOLATILES

INCLUDES LAB #: **AB64166**

EXTRACTION DATE: 12-Mar-09

INJECTION DATE: 12-Mar-09

Lab #s in this Batch: **AB64163** **WAS INCLUDED IN THIS BATCH (QC IS PERFORMED ON A 10% BASIS)**

Surr. = SURROGATE

METHOD BLANK - ND

Parameter	Result (%)	Det. Limit
1,1 Dichloroethene	N/D	5.0
1,2 Dichloroethane	N/D	10.0
2-Butanone	N/D	5.0
Benzene	N/D	5.0
Carbon Tetrachloride	N/D	5.0
Chlorobenzene	N/D	5.0
Chloroform	N/D	5.0
Tetrachloroethene	N/D	5.0
Trichloroethene	N/D	25.0
Vinyl Chloride	N/D	5.0
Surr. 1,2-Dichloroethane-d4	91.6	62 - 119
Surr. 4-Bromofluorobenzene	92.8	78 - 123
Surr. Toluene-d8	89.6	74 - 122

Leachate BLANK - ND

Parameter	Result (%)	Det. Limit
1,1 Dichloroethene	N/D	5.0
1,2 Dichloroethane	N/D	5.0
2-Butanone	N/D	20.0
Benzene	N/D	5.0
Carbon Tetrachloride	N/D	5.0
Chlorobenzene	N/D	5.0
Chloroform	N/D	5.0
Tetrachloroethene	N/D	5.0
Trichloroethene	N/D	5.0
Vinyl Chloride	N/D	10.0

Matrix Spike

Parameter	Spike Added (ug/l)	% Recovery	Limits (%)
Benzene	250.0	78.9	65-122
Chlorobenzene	250.0	83.2	72-118
Chloroform	250.0	81.0	65-120
Carbon Tetrachloride	250.0	88.6	64-135
1,1-Dichloroethylene	250.0	75.4	55-140
1,2-Dichloroethane	250.0	76.1	57-125
Methyl ethyl ketone	250.0	68.9	43-125
Tetrachloroethylene	250.0	85.3	69-132
Trichloroethylene	250.0	90.7	70-120
Vinyl chloride	250.0	96.3	51-147

Method SW846 - 8260

ENVIRODYNE LABORATIORIES, INC.

Quality Control Report

TCLP SEMIVOLATILES

INCLUDES LAB #: **AB64166**

EXTRACTION DATE: 12-Mar-09

INJECTION DATE: 13-Mar-09

Surr. = SURROGATE

METHOD BLANK - ND

Parameter	Result (%)	Det. Limit
1,4 Dichlorobenzene	N/D	5.0
2,4,5-Trichlorophenol	N/D	10.0
2,4,6-Trichlorophenol	N/D	5.0
2,4-Dinitrotoluene	N/D	5.0
Hexachlorobenzene	N/D	5.0
Hexachlorobutadiene	N/D	5.0
Hexachloroethane	N/D	5.0
Nitrobenzene	N/D	5.0
Pentachlorophenol	N/D	25.0
Pyridine	N/D	5.0
2-Methylphenol	N/D	5.0
3&4-Methylphenol	N/D	5.0
Surr. 2,4,6-Tribromophenol	90.8	10 - 123
Surr. 2-Fluorobiphenyl	87.3	43 - 116
Surr. 2-Fluorophenol	88.6	21 - 110
Surr. Nitrobenzene-d5	91.2	35 - 114
Surr. Phenol-d5	79.3	10 - 110
Surr. Terphenyl-d14	80.9	33 - 141

Leachate BLANK - ND

Parameter	Result (%)	Det. Limit
1,4 Dichlorobenzene	N/D	5.0
2,4,5-Trichlorophenol	N/D	10.0
2,4,6-Trichlorophenol	N/D	5.0
2,4-Dinitrotoluene	N/D	5.0
Hexachlorobenzene	N/D	5.0
Hexachlorobutadiene	N/D	5.0
Hexachloroethane	N/D	5.0
Nitrobenzene	N/D	5.0
Pentachlorophenol	N/D	25.0
Pyridine	N/D	5.0
2-Methylphenol	N/D	5.0
3&4-Methylphenol	N/D	5.0

Matrix Spike Recoveries

Parameter	% Recovery	Limits (%)
1,4 Dichlorobenzene	77.6	20 - 124
2,4,5-Trichlorophenol	81.5	30 - 140
2,4,6-Trichlorophenol	85.4	37 - 144
2,4-Dinitrotoluene	90.2	39 - 139
Hexachlorobenzene	91.3	1 - 152
Hexachlorobutadiene	88.6	24 - 116
Hexachloroethane	87.3	40 - 113
Nitrobenzene	85.9	35 - 180
Pentachlorophenol	91.8	14 - 176
Pyridine	95.3	1 - 150
2-Methylphenol	94.7	10 - 120
3&4-Methylphenol	83.5	10 - 120

Method SW846 - 8270

ENVIRODYNE LABS

[redacted]

Chain of Custody

The Chain of Custody is a Legal Document

Page 1 of 1

[redacted]

A&B JOB ID #

5. Project # [redacted]

1. REPORT TO:
Company: HP+C, LLC
Address: P.O. BOX 418 South Houston TX 77587
Contact: J. STANKOVICH
Phone: 713 946 8920
Fax: ☐ 713 946 7326
E-mail: ☐ joes@houstonplating.com

2. INVOICE TO:
Company: HP+C, LLC
Address: P.O. BOX 418 South Houston TX 77587
Contact: Accounts Payable
Phone: 713 946 8920
Fax: ☐ 713 946 7326
E-mail: ☐

3. PO# 26431

4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other
☐ 2 Days*
☐ 3 Days* * Surcharge applies
☐ 7 Days
☒ 10 Days - Standard

6. Project Name / Location: Used Cleaner HP+C 1401 VIRGINIA / HP+C, LLC 1401 Virginia South Houston, TX 77587

7. Reporting Requirement: EPA + TLEQ Methods for waste classification
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): JOSEPH STANKOVICH HOUSTON PLATING + COATINGS, LLC
Sampler's Signature & Date: Joseph Stankovich 3/3/09

13. No. of Containers			
14. Containers*	6	6	6
15. Preservatives**	C	C	C
16. PH-Lab Only			
17.			

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix Water	Soil	Sludge	Oil	Air	Other	No. of Containers	Analyses/Methods: TCLP AS Ba Cd Cr Pb Hg Se Ag	TCLP Volatiles	Semi Volatiles	R, C, I				18. REMARKS
	Used Cleaner HP+C-1401 VIRGINIA AB64166	3-7-09	6:30	✓	—	—	—	—	—	—	✓	1	✓	✓	✓					Liquid Sample \ ON ICE

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Joseph Stankovich	3-10-09	10:26	C Alvarez	3-10-09	10:26
2 C Alvarez	3-10-09	16:00			
3			21. RECEIVED BY LABORATORY: Meg Watson [redacted]	31009	1600

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other ____

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $Na_2S_2O_3$; X - Other ____

METHOD OF SHIPMENT

BILL OF LADING / TRACKING # 26431

LAB USE ONLY SAMPLING ____ RENTAL ____ P/U ____

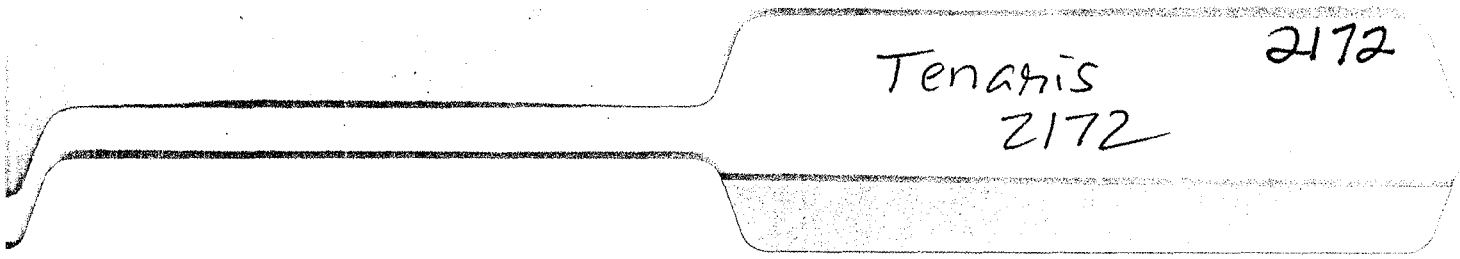
22. KNOWN HAZARDS / COMMENTS: NONE KNOWN

Temperature: ____ °C

Intact: Y or N

[redacted] cannot accept verbal changes
Please FAX written changes [redacted]
Samples will be disposed of after 30 days
[redacted]

EPAHO105000118



EPAHO10500119

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/20/2007**

Dear **Gary Bailey**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2172

Generator: Precision Tube Tech.
Address: 8615 Beltway 8 East
Houston, TX 77044

Waste Information

Name of Waste: Hydrotest Water
TCEQ Waste Code #: 00111191
Container Type:
Detailed Description of Process Generating Waste:
Water from hydro testing carbon steel pipe.
Color: Clear **Odor:** None **pH:** 3-11
Physical State:
Incompatibilities: None Known
Safety Related Data/Special Handling:
None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

281-[redacted] 459
2404.

Attn: GARY BAILEY

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: PRECISION TUBE TECHNOLOGY
Address: 8615 Beltway 8 East
City, State, Zip: Houston, TX 77044
Contact: Gary Bailey Title: Environmental Mgr
Phone No: 281-924-5863 Fax No:
24/hr Phone:
U.S. EPA I.D. No: TXR000049122
State I.D. 20623 SIC Code: N/A

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Hydro test water
Detailed Description of Process Generating Waste: Water from hydro testing Carbon steel pipe

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: clear Odor: none

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 5500 ____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1 Other: ____

Texas State Waste Code No: 00111191
Proper U.S. DOT Shipping Name: Non DOT Regulated Material
Class: ____ UN/NA: ____ PG: ____ RQ: ____

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	<50 mg/l	<50 mg/l	0.2 %
Oil&Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

1

04/19/2007 10:38 FAX

EPAHO105000121

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
water	95 - 98	%
oil	0.05 - 0.5	%
rust / dirt	1 - 2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X analysis
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on [X] generator knowledge and/or [X] analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Gary W Bailey **Date:** 4/16/07

Printed Name/Title: Gary W Bailey Maint Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: [signature] Date: 4-20-07 Approved Rejected Approval Number: 2172	- $65/hr. + F.S.C. - Disposal. @ $.14/gal

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

04/19/2007 10:40 FAX

EPAHO105000123

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Oils Subcategory

EPAHO105000124

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO: 99111.01 1of 1

Customer: **CES Env. Svcs.**
Project ID: **Precision Tube**
Project Loc: **Beltway 8, Hou., TX**
Charge/P.O.:

Sample ID: **Flash Removal Process Wastewater**
Matrix: **Liquid**
Type: **Composite**

Environ ID: **99111.01**
Sampled: **07-21-04**
Received: **07-21-04**
Reported: **07-28-04**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	07-22-04	23:53
Toluene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	07-22-04	23:53
Ethylbenzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	07-22-04	23:53
Xylenes	< 0.003	mg/l	--	0.003	SW846.8021B	DMB	07-22-04	23:53
Total BTEX	< 0.006	mg/l			SW846.8021B	DMB	07-22-04	23:53
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	< 5	mg/l	--	5	TCEQ 1005.03	CR	07-27-04	03:43
DRO (Diesel Range)	< 5	mg/l	--	5	TCEQ 1005.03	CR	07-27-04	03:43
ORO (Oil Range)	< 5	mg/l	--	5	TCEQ 1005.03	CR	07-27-04	03:43
TOTAL TPH	< 5	mg/l	--	5			07-24-04	03:43
TCLP METALS					SW846.1311	MN	07-21-04	
Antimony	< 0.08	mg/l	1.0	0.08	SW846.6010B	DB	07-23-04	10:30
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-23-04	10:30
Barium	0.31	mg/l	100	0.02	SW846.6010B	DB	07-23-04	10:30
Beryllium	< 0.05	mg/l	0.1	0.05	SW846.6010B	DB	07-23-04	10:30
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	07-23-04	10:30
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-23-04	10:30
Lead	0.021	mg/l	5.00	0.015	SW846.6010B	DB	07-23-04	10:30
Nickel	< 0.05	mg/l	70.0	0.05	SW846.6010B	DB	07-23-04	10:30
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	07-23-04	10:30
Silver	< 0.05	mg/l	5.00	0.5	SW846.6010B	DB	07-23-04	10:30
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	07-21-04	17:00

Definitions:
TCLP - Toxicity Characteric Leaching Procedure
REG - Regulatory Limit (User Should Confirm Limits)
MQL - Method Quantitation Limit
TPH - Total petroleum Hydrocarbons

PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO105000125

Page 1 of 1

ENVIRON Express Laboratories

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308

Results To: CES ENV.	Invoice To: CES ENV
Company: CES ENV	Company: CES ENV
Address:	Address:
City State: Zip:	City: State: Zip:
Phone:	Phone:
Fax:	Fax:
e-Mail:	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #	COC Present? Yes No
Shipment Sealed? Yes No	Samples Sealed? Yes No
Received on Ice? Yes No	Samples Intact? Yes No
Cooler Temp. (°C) 2°	Preservative Shown? Yes No NA
Hold Time OK? Yes No	Res. Cl2 Check OK? Yes No NA
pH Check OK? Yes No NA	COC & Labels Agree? Yes No

Project Name: Precision Tube
Project Location: Beltway 8 Houston TX
Project No:
Sampler (Print): Matt Bowman
Sampler (Sign): Matt Bowman

Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	COMP/GRAB	BTEX (8021)	TPH (TX1005)	MTBE	PAH	TOTAL / TCLP / SPLP: VOLATILES	SEMI-VOLS	RCRA METALS	TCLP 11 Metals	BTEX	TPH					Remarks & Additional Analyses
99111.01	1) Flash Removal Process Wastewater	7-21-04 10:45 A.M.	Liq	Comp								X	X	X					
	2)																		
	3)																		
	4)																		
	5)																		
	6)																		
	7)																		
	8)																		
	9)																		
	10)																		

Relinquished By:	Company:	Date/Time:	Received By:	Company:
Matt Bowman	CES ENV.	7-21-04 12:00 PM	Randa Hanagan	
Relinquished By:	Company:	Date/Time:	Received By:	Company:
Relinquished By:	Company:	Date/Time:	Received By:	Company:

[1] Matrix Key
S:Soil W:Water WW:Waste Water SL:Sludge SO:Solid SE:Sediment L: Leachate WI:Wipe OR:Organic OL:Oil DS:Drum Solid DL:Drum Liquid O:Other _____

[2] Container Type Key
P:Plastic G:Glass V:VOA Glass O:Other _____

[3] Preservative Key
1:Ice(<4°C) 2:HCL 3:H2SO4 4:HNO3 5:NaOH 6:NaOH+Zn Acetate 7:Na2S2O3 8:None

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

EPAHO105000126

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/21/2008**

Dear **Gary Bailey**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2172

Expiration Date 4/20/2009

Generator: Tenaris Coiled Tubes, LLC
Address: 8615 Beltway 8 East
Houston, TX 77044

Waste Information

Name of Waste: Hydrotest Water
TCEQ Waste Code #: 00111191
Container Type:
Detailed Description of Process Generating Waste:
Water from hydro testing carbon steel pipe.
Color: Clear **Odor:** None **pH:** 3-11
Physical State:
Incompatibilities: None Known
Safety Related Data/Special Handling:
None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Tenaris Coiled Tube, LLC
Address: 8615 Beltway 8 East 8615 Beltway 8 East
City, State, Zip: Houston TX 77044
Contact: Gary Bailey Title:
Phone No: (281) 458-2883 Fax: (281) 459-2404
24 / HR Phone:
U.S EPA I.D No: TXR000049122
State I.D: 20623 SIC Code

SECTION 2: Billing Information

Company: Tenaris Coiled Tube, LLC.
Address: 8615 Beltway 8 East 8615 Beltway 8 East
City, State, Zip: Houston TX 77044
Contact: Gary Bailey Title:
Phone No: (281) 458-2883 Fax: (281) 459-2404

SECTION 3: General Description of the Waste

Name of Waste: Hydrotest Water

Detailed Description of the Process Generating Waste:

Water from hydro testing carbon steel pipe.

Physical State: ☑ Liquid ☐ Sludge ☒ Powder ☒ Solid ☒ Filter Cake ☒ Combination

Color: Clear Odor: None

Specific Gravity (Water=1): 1 Density: 8.31 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☑ Single-Phas ☐ Multi-Phase

Container Type: ☐ Drum ☒ Tote ☑ Truck ☒ Other (explain)

Container Size: 5500 gallons

Number Of Units: 1

Texas State Waste Code No: 00111191

Proper U.S. State Waste Code No: Non-RCRA/Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

EPAHO105000128

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	<50 mg/l	<50 mg/l	0-2% %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
NA mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Water	95-98	%
Oil	.05-.05	%
Rust/Dirt	1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals :	analysis
TCLP Volatiles :	X
TCLP Semi-Volatiles :	X
Reactivity :	X
Corrosivity :	X
Ignitability :	X

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☑ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : R Bailey Date : 4-15-08

Printed Name / Title : I Maint Manager

EPAHO105000129

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Rakhee Bhargava

Date : 11/20/07 Status : Approved Rejected

Approval Number : OLD PROFILE # 2172

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ **YES** ☑ **NO**

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Matals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosph
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes

EPAHO105000130

- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcatego
- ☐ Oils Subcatego
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000131

Tenaris

RECEIVED
SEP 19 2007
BY:

8615 E. Sam Houston Pkwy. N.
Houston, TX 77044
USA

(281) 458-2883 tel
(281) 458-2886 fax

www.tenaris.com

To Whom It May Concern:

Precision Tube Technology L.P. has merged into a newly formed company, **Tenaris Coiled Tubes, LLC.** Our physical address, facility, phone numbers or business interests have not changed. Again, please make note of the change in our name from Precision Tube Technology L.P. to Tenaris Coiled Tubes, LLC.

Regards,

Greg Jessen
Plant Controller
281-458-2883

Stolt Nielsen, Inc 2173
Prof # 2173

EPAHO10500133

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/23/2007**

Dear **Juan Almaguer**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2173

Generator: Stolt-Nielson Inc
Address: 16300 De Zavalla Road, Bldg. 4
Channelview, TX 77530

Waste Information

Name of Waste: MEA and TDI waste
TCEQ Waste Code #: 00746061
Container Type:
Detailed Description of Process Generating Waste:
Removal of unused product heels prior to cleaning
Color: amber **Odor:** slight **pH:** 10.4
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Stolt-Nielsen Inc		
Address:	16300 De Zavalla Road, Bldg 4		
City, State, Zip:	Channelview, TX 77530		
Contact:	Juan Almaguer	**Title:**	Tank Cleaning Manager
Phone No:	(832)473-3285	**Fax No:**	(281) 860-6307
24/hr Phone:	(832) 473-3285		
U.S. EPA I.D. No:	TXD000326819		
State I.D.	83712	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: MEA and TDI waste
Detailed Description of Process Generating Waste: Removal of unused product heels prior to cleaning

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: amber **Odor:** slight

Specific Gravity (water=1): 1 **Density:** 8.34 lbs/gal

Layers: ☒ **Single-phase** ☐ **Multi-phase**

Container Type:	☒ **Drum**	☐ **Tote**	☐ **Truck**	☐ **Other (explain)**
Container Size:	55			

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 10 **Other:**
Texas State Waste Code No: 0074160061
Proper U.S. DOT Shipping Name: Non RCRA Non DOT regulated material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >150	**pH** 10.4	**Reactive Sulfides** NAmg/l	**Reactive Cyanides** BRLmg/l	**Solids** 0%
Oil&Grease 0mg/l	**TOC** NAmg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

EPAHO105000135

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
MEA	90	%
TDI	5	%
MDI	5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analytical #7040309

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
NA

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: ____
Corrosivity: ____
Ignitability: ____

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] **Date:** 4-17-07

Printed Name/Title: Juan Almaguer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: $85/drum

Date: 4-23-07 Approved Rejected DL

Approval Number: 2173

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000137

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

Stolt-Nielsen Transportation, Inc.
16300 Dezavala
Channelview, TX 77530

Phone: (832) 473-3285
Fax: (281) 452-2374

Attn: **Juan Almaguer**

- CERTIFICATE OF RESULTS -

MES Lab#: 7040309
Client Sample ID: ~~MDI~~ TDI and MEA
Extended ID: P.O. #UAN6679

Sample Collect Date: 4/10/2007 @ 11:00:00 AM
Sample Receipt Date: 4/10/2007 @ 11:38:00 AM

Test Group / Method

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	4/12/2007 / 12:45 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25	**0.48**	mg/kg	4/11/2007 / 4:30 PM

CORROSIVITY: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**10.4**		4/11/2007 / 11:15 AM

IGNITABILITY Method: SW-846 1010	MDL	Result	Units	Analyst: DEB Date / Time
Flashpoint		**>150**	deg F	4/10/2007 / 1:00 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Friday, April 13, 2007

Holland D. Gilmore, Laboratory Director **Date**

EPAHO105000138

7040309

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	8.41	0.43	0.36

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	0.48	0.43	10.99

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: _____

April 12, 2007

Holland D. Gilmore / Laboratory Director

Mercury Environmental Services, Inc.

Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
Fax (281)-476-4406

1
COMPANY ADDRESS: 16300 VEZRVALA
CITY CHANNELVIEW STATE TX ZIP 77530
CONTACT PERSON'S NAME: JUAN ALMAGUER
CONTACT PERSON'S PHONE: 281-560-6309 832-972-1165 FAX #: 281-860-6314

2
YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
MDI	WAV6679	MDI

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	4 PARAMETERS FOR ANALYSIS: P.H.	REACTIVES	FLASH	NUMBER OF CONTAINERS	PRESERVATIONS	5 REMARKS
MDI		4-10-07	11:00		✓	✓	✓	1	0	

5 REMARKS
TURNAROUND TIME: ASAP
DETECTION LIMITS SPECIAL LIMITS REQUIRED: Yes No
Please circle one, if Yes, please describe below or include separate sheet detailing requirements.

ONICE 4C

6
PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): a. Charles White b.

7

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
	4-10-07	11:38	
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)

METHOD OF PAYMENT	SHIPPED BY: (Signature)	COURIER (Signature)	RECEIVED FOR MES BY: (Signature)	DATE	TIME
POH				4/10/07	11:38

8
Sample Remainder Disposal
☐ Return Sample Remainder To Client Via _____
☐ I Request Lab To Dispose Of All Sample Remainders
(Signature) _____ (Date) _____

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

4/10/2007 11:57 -281476406 MES PAGE 03
EPAHO105000140

Harris Tire 2174
Prof # 2174

EPAHO105000141

7E
LAB
T.34
8-4-09

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/23/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2174

Generator: Harris Tire
Address: 12988 Market
Houston, TX 77015

Waste Information

Name of Waste: Dirt contaminated with 10W30 motor oil with rainwater
TCEQ Waste Code #: CESQ5191
Container Type:
Detailed Description of Process Generating Waste:
Facility cleanup from oil filling stations
Color: amber to dark brown **Odor:** mild petroleum odor **pH:** na
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

Attn. Dam 'pgs

DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Harris Tire
Address: 12988 Market
City, State, Zip: Houston, TX 77015
Contact: James Title:
Phone No: 713-455-0237 Fax No:
24/hr Phone: 713-455-3298
U.S. EPA I.D. No: N/A
State I.D. N/A SIC Code: N/A

SECTION 2: Billing Information – ☐ Same as Above

Company: CKG Services
Address: 10707 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Pisher Title: Office mgr.
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Dirt contaminated with low 30 motor Oil; Rainwater
Detailed Description of Process Generating Waste: Facility Cleanup From Oil Filling Stations

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Amber to dark brown Odor: Mild petroleum odor

Specific Gravity (water=1): 1.5 Density: 14 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55gal

Frequency: ☐ Weekly ☐ Monthly ☑ Quarterly ☐ Yearly
Number of Units (containers): 4 Other:
Texas State Waste Code No: CESQ5191
Proper U.S. DOT Shipping Name: Not Regulated
Class: / UN/NA: / PG: / RQ: /

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
420°F	N/A	/ mg/l	/ mg/l	95-99%

Oil&Grease	TOC	Zinc	Copper	Nickel
~~2~~1500 mg/l	/ mg/l	/ mg/l	/ mg/l	/ mg/l

EPAHO105000144

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Lubricating Oil Base Stock	1 - 50	%
Proprietary Additives		
Rain Water	5-10	%
Dirt	95 - 99	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] **Date:** 4/17/07

Printed Name/Title: Zan McKaughan

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: IS

Date: 4-23-05 Approved Rejected Class 1 Solid

Approval Number: 2174 $35/dam Processable - Non Shred

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000146

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000147

Harristire

Printed in the U.S.A. SS94-63

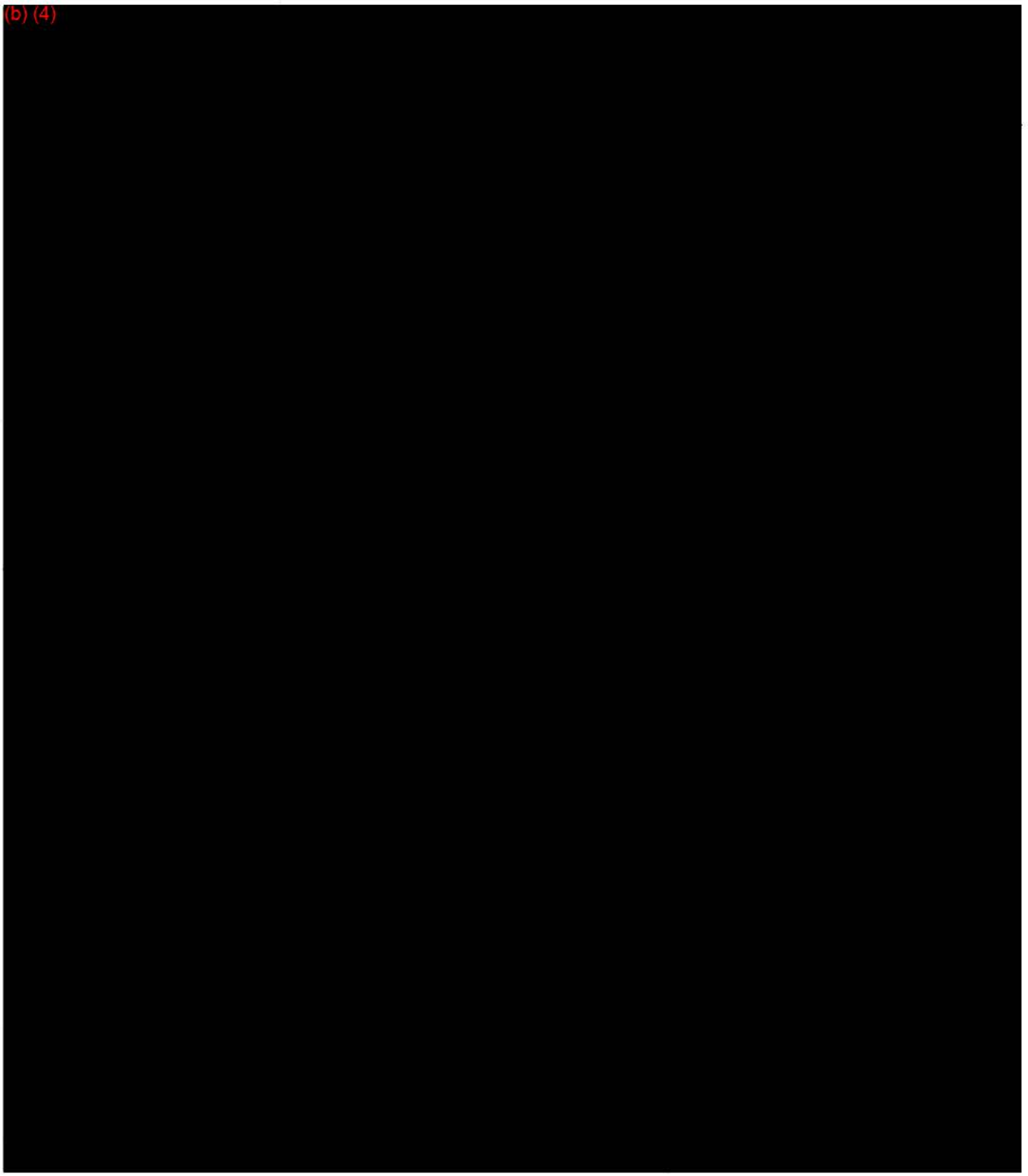
MATERIAL SAFETY DATA SHEET

(b) (4)

[redacted]

EPAHO105000148

(b) (4)



(b) (4)

Transmontaigne Prod 2137
Prof # 2137

EPAHO105000151

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/31/2007**

Dear **Lee Pinson**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2137

Generator: Transmontainge Product Service
Address: 10150 Hwy 48
Brownsville, TX 78521

Waste Information

Name of Waste: Petroleum (Coker Gas) contact water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Water draws from storage tank
Color: varies (dark) **Odor:** sour **pH:** 6-8
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

.40 gal
1350 Trans

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TRANSMONTAIGNE PRODUCT SERVICE
Address: 10150 HWY. 48
City, State, Zip: BROWNSVILLE, TX 78521
Contact: CARLOS ARIZMENDI Title: TERMINAL MGR.
Phone No: (956) 831-3531 Fax No: (956) 831-0448
24/hr Phone: (956) 831-3531
U.S. EPA I.D. No: TXD 987968 328
~~State I.D.~~ TERMINAL HAS NEVER SHIPPED HAZARDOUS WASTE SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: SIERRA CHEMICAL CORP
Address: 4524 SOUTHLAKE PARKWAY
City, State, Zip: LPinson@Sierrachemical.net SUITE 34 / P.M.B. 101
Contact: LEE PINSON Title: HOOVER, AL 35244
Phone No: 205 982-0609 Fax No: (205) 982-0608

SECTION 3: General Description of the Waste

Name of Waste: PETROLEUM (COKER GAS) CONTACT WATER
Detailed Description of Process Generating Waste: WATER DRAWS FROM STORAGE TANK

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: VARIES (DARK) Odor: "SOUR"

Specific Gravity (water=1): <1 Density: >8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck (BULK) ☐ Other (explain)
Container Size: 5000 ____ ____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): ~~4~~ 70,000 GALS. Other: ____
Texas State Waste Code No: N/A – RECYCLE
Proper U.S. DOT Shipping Name: FLAMMABLE LIQUIDS, (COKER GASOLINE)
Class: 3 UN/NA: UN1268 PG: II RQ: N/A

Flash Point < 140 °F	pH 6-8	Reactive Sulfides < 5 mg/l	Reactive Cyanides 0 mg/l	Solids 0 %
Oil&Grease ~~1500~~ mg/l	TOC > 1500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

EPAHO105000153

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
WATER	> 99	%
COKER GASOLINE w/ H_2S & MERCAPTAN SCAVENGER	< 1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

—— Mfg Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

—— MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

—— None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] **Date:** 3/26/07

Printed Name/Title: L. Pinson

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 4-3-07 (Approved) Rejected

Approval Number: 2137

Additional Information: REC

Trans $1350. Disposal $0.40/gal

EPAHO105000154

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000155

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000156

3 To Matt
Sam Taylor

1

MidContinental Chemical Co., Inc.
10875 Benson Drive Building 11 Suite 150
Overland Park, KS 66210

22 pages

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MIDCONTINTENTAL CHEMICAL COMPANY

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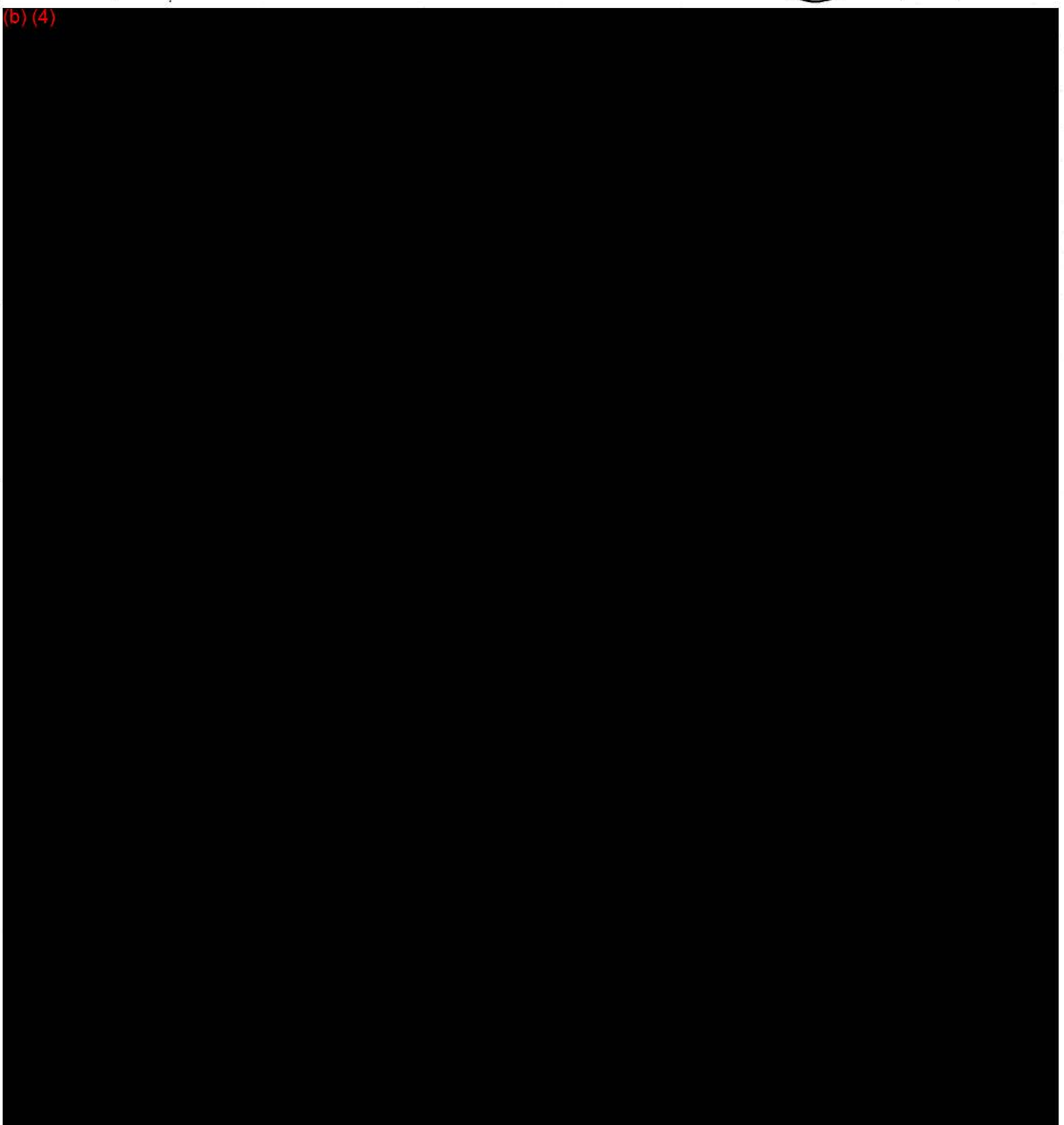

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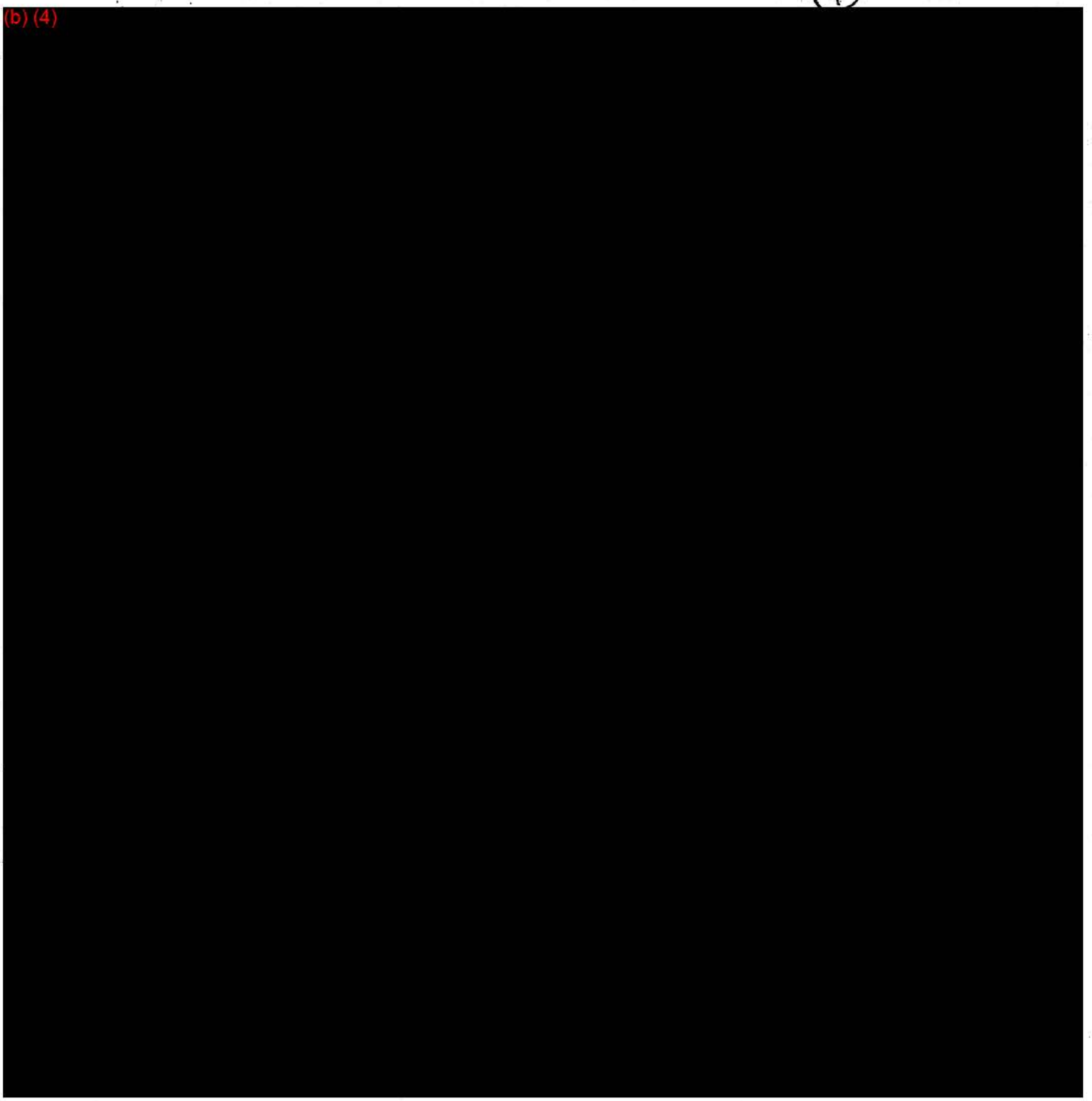

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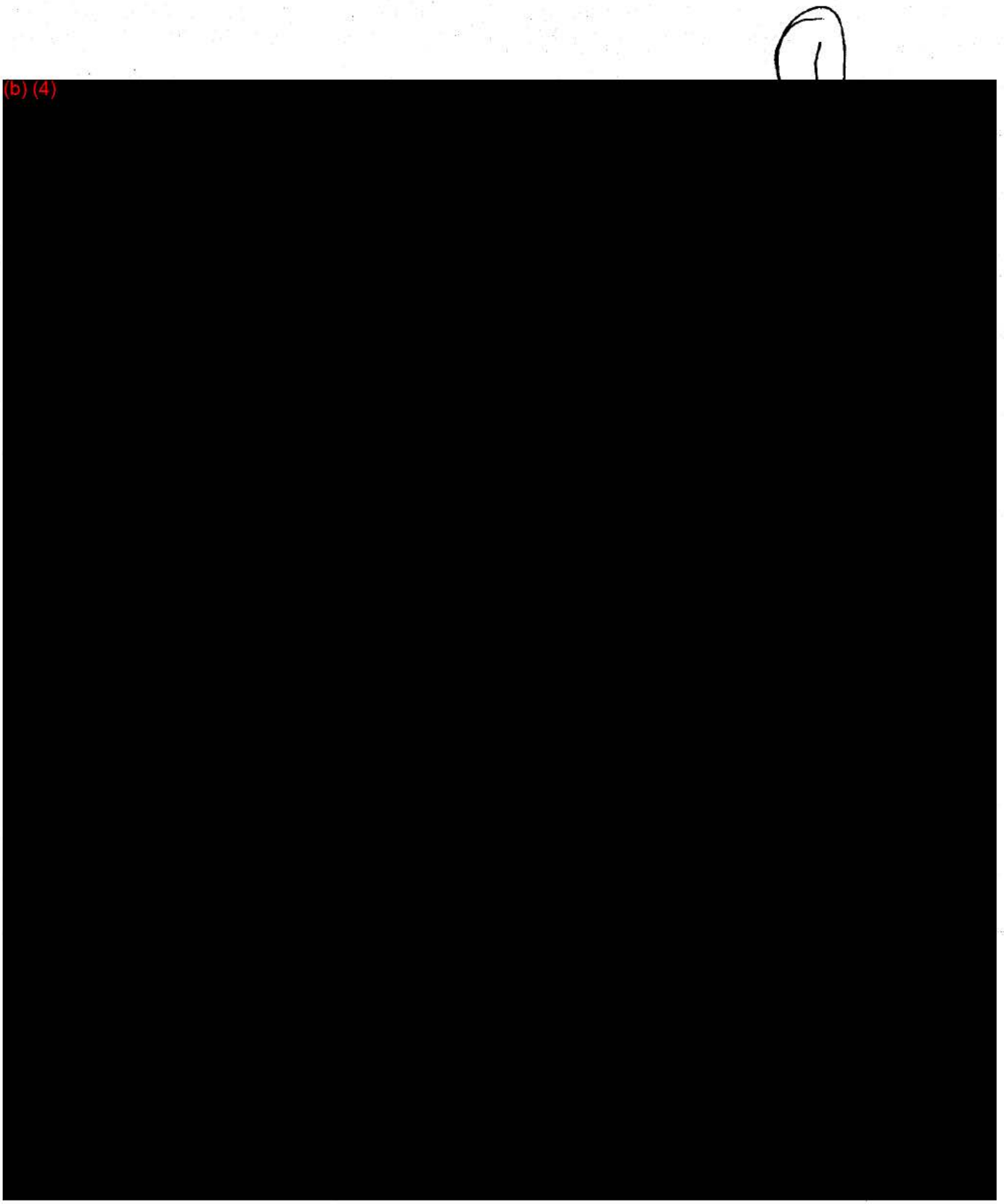

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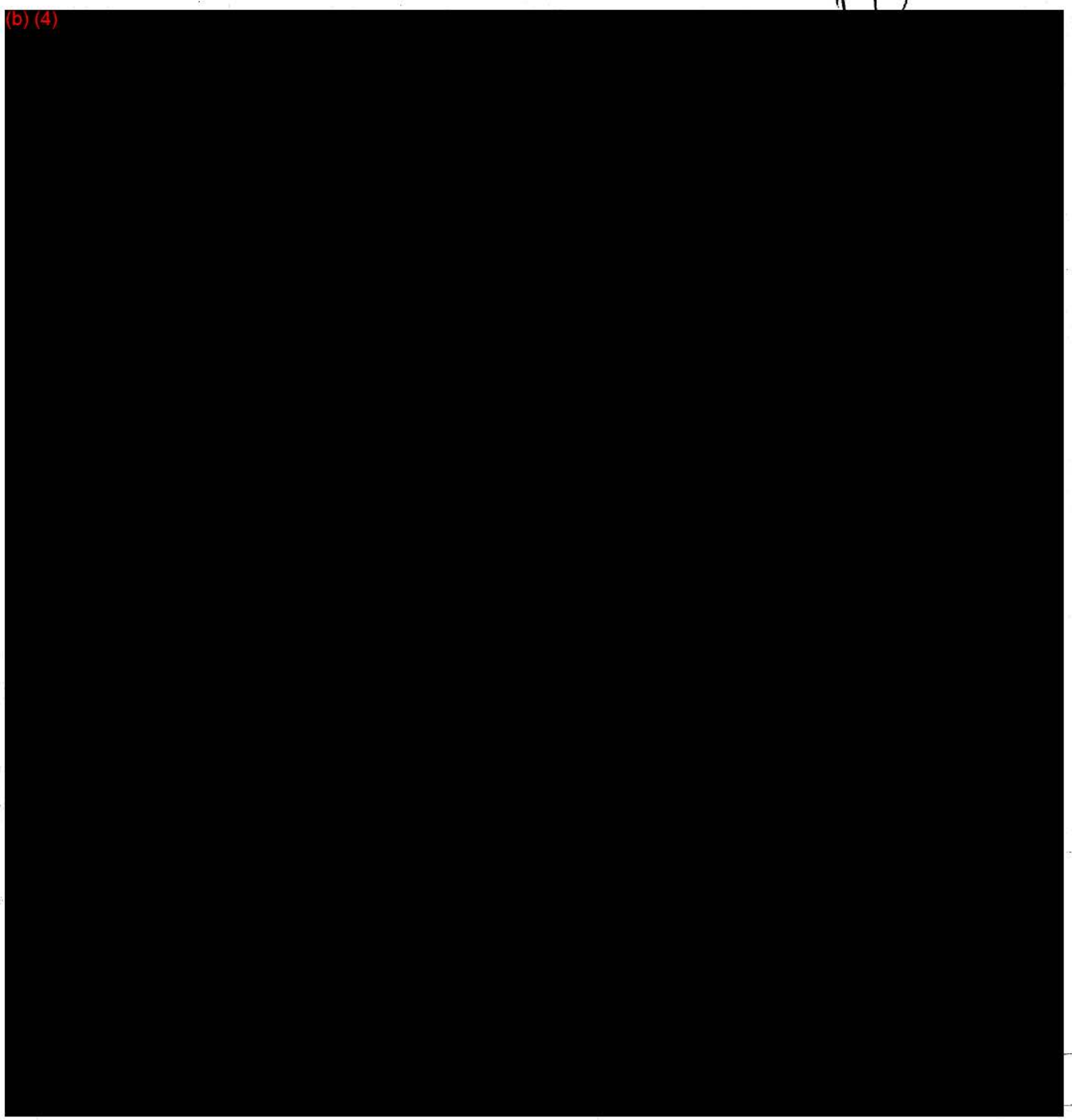

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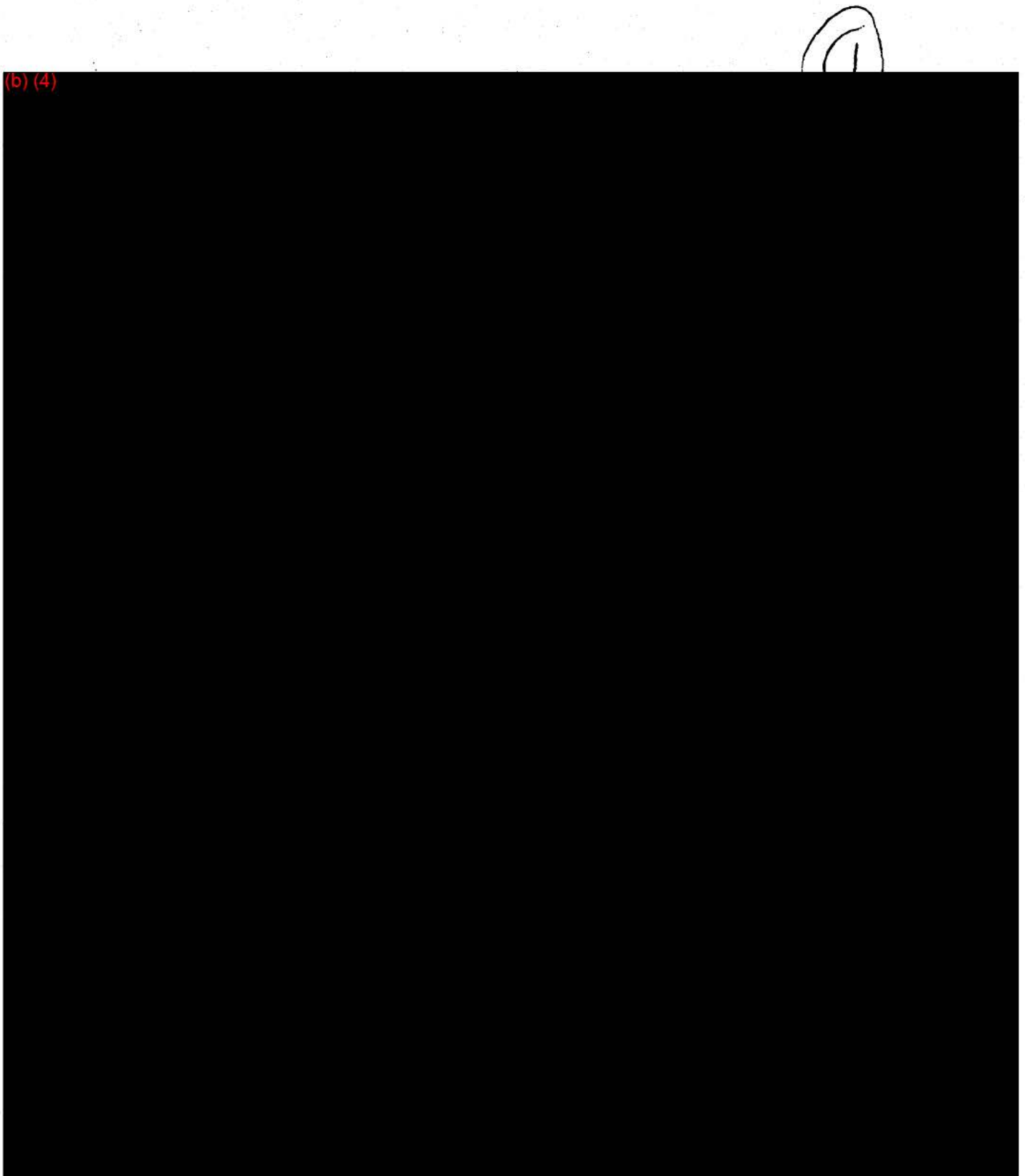

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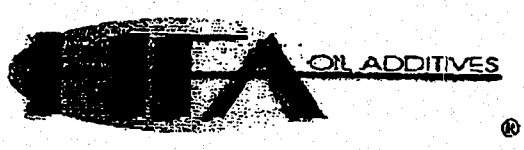

® by WRT bv

MATERIAL SAFETY DATA SHEET

HFA 6129

Revision : 2
Revision date: August 2005 www.wrtbv.com

1.CHEMICAL PRODUCT

Product name: HFA 6129

Product type: H_2S/Mercaptan scavenger

Product description : combination of caustic soda and oxidizing agents in a semi - aqueous solution.

2. COMPOSITION/ INFORMATION ON INGREDIENTS

1. NaOH (30% solution) CAS-nr 1310-73-2
2. Ethanol CAS-nr 64-17-5
3. Cobalt complex

3. HAZARDS IDENTIFICATION

Human health:
- R11 Flammable
- R20/21/22 Toxic by inhalation, contact with skin and if swallowed
- R39 Danger of very serious irreversible effects
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

On skin: Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water. Contaminated clothing should be laundered before re-use.

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SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

In eyes: If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids.
MEDICAL ATTENTION SHOULD BE SOUGHT IMMEDIATELY

If swallowed: Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention. Rinse mouth with water (do not swallow). Never give anything by mouth to an unconscious person.
MEDICAL ATTENTION SHOULD BE SOUGHT IMMEDIATELY

Inhalation: Remove to fresh air. Administer artificial respiration if breathing is stopped. Keep at rest.
MEDICAL ATTENTION SHOULD BE SOUGHT IMMEDIATELY

5. FIRE FIGHTING MEASURES

Extinguishing media: Use water, foam, carbon dioxide, dry chemical (S43)

Protective Clothing: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Cleaning up: Dike and absorb spill with inert materials and collect for disposal in accordance with federal, state or other applicable laws and regulations.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to water-ways.

Personal precaution: Avoid contact with skin and eyes.
Ensure adequate ventilation.
Shut off all ignition sources.
Wear appropriate protective equipment.

7. HANDLING AND STORAGE

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Handling:	Ensure good ventilation/suction at the workplace. Avoid open flames and sources of ignition. Avoid contact with eyes and skin.
Storage:	Ensure that storage and workrooms are adequately ventilated.
Packaging material:	SS, Epoxy coatings, HDPE.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering measures:	Access to eye wash fountain.
Personal protection:	Safety goggles. Protective gloves at prolonged or repeated exposure. Wear approved respirator if exposure likely to exceed MEL/OES.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Colour:	dark blue/green
Odour:	-
Flash point:	26°C
Boiling point:	72°C
Pour point:	- 25°C
Density (15°C)	0,9905 - 0,9925 gr/cm³
Solubility:	hydrocarbons
Viscosity(50°C):	1,346 mm²/s

Note: These data are typical for the product and are not a specification.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions Soluble in water May decompose on exposure to heat In fire CO/CO² may be generated
Conditions to avoid:	Incompatible with strong oxidising substances

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Materials to avoid: -

11.TOXICOLOGICAL INFORMATION

This information is based on knowledge of the present substances and on E.C. toxicological data from similar substances.

Toxicological data:	Oral rat EC_{50} 33 mg/l 24 h Primary skin irritation (rabbit): non irritating Primary mucous membrane: non irritating
Ingestion:	Acute toxicity
Skin contact:	LD_{50} dermal/rat > 1155 mg/kg Can cause dehydration of the skin
Inhalation:	LC_{50} rat/4h > 2,3 mg/l
Eye contact:	Mildly irritating. Will cause slight eye discomfort, but will not injure eye tissue.

12.ECOLOGICAL INFORMATION

This information is based on knowledge of the present substances and on E.C. toxicological data from similar substances.

Persistence and degradability:	Not applicable
Aquatic toxicity:	Marine pollutant Large volumes may penetrate soil and contaminate groundwater

13.DISPOSAL CONSIDERATIONS

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All local and national regulations should be followed.

14.TRANSPORT INFORMATION

UN-nr.: 1993 ADR/IMO: 3.
Packaging Group : III

15.REGULATORY INFORMATION

E.EC Marking and labelling: F (Flammable) and Xn (Harmful)
E.C.
R-Phrases : 11, 20/21/22, 39,51/53
S-Phrases : 16,23.1, 33,35,51, 36/37

16.OTHER INFORMATION

The information contained herein relates only to the specific material identified. WRT BV believes that such information is accurate and reliable as of the date of this material data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. WRT BV urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

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Materials to avoid:

11. TOXICOLOGICAL INFORMATION

This information is based on knowledge of the present substances and on E.C. toxicological data from similar substances.

Toxicological data: Oral rat EC_{50} 33 mg/l 24 h
Primary skin irritation (rabbit): non irritating
Primary mucous membrane: non irritating

Ingestion: Acute toxicity

Skin contact: LD_{50} dermal/rat > 1155 mg/kg
Can cause dehydration of the skin

Inhalation: LC_{50} rat/4h > 2.3 mg/l

Eye contact: Mildly irritating. Will cause slight eye discomfort, but will not injure eye tissue.

12. ECOLOGICAL INFORMATION

This information is based on knowledge of the present substances and on E.C. toxicological data from similar substances.

Persistence and degradability: Not applicable

Aquatic toxicity: Marine pollutant
Large volumes may penetrate soil and contaminate groundwater

13. DISPOSAL CONSIDERATIONS

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(2)

All local and national regulations should be followed.

14.TRANSPORT INFORMATION

UN-nr.: 1993 ADR/IMO: 3.
Packaging Group : II

15.REGULATORY INFORMATION

E.EC Marking and labelling: F (Flammable) and Xn (Harmful)
E.C.
R-Phrases : 11, 20/21/22, 39,51/53
S-Phrases : 16,23.1, 33,35,51, 36/37

16.OTHER INFORMATION

The information contained herein relates only to the specific material identified. WRT BV believes that such information is accurate and reliable as of the date of this material data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. WRT BV urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

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PEMEX REFINACION
SUBDEPARTMENT FOR CONTROL OF ATMOSPHERIC AND INDUSTRIAL SAFETY

MATERIAL SAFETY DATA SHEET
(COKER GASOLINE)

Section I. General Information

HDSS: PR-SN/OR

No. ONU: 1268 (COKER GASOLINE) No. CAS2: ND

Date Done: September 9, 2005 Revised: No. Revised Date: September 9, 2005

BEFORE LOADING, TRANSPORTING OR STORING SUCH PRODUCT, YOU ARE REQUIRED TO READ AND UNDERSTAND THE FOLLOWING REQUIREMENTS;

MANUFATURER:	TECHNICAL ASSISTANCE:
PEMEX REFINACION	DEPARTMENT OF PRODUCTION CONTROL
DEPT. OF OPERATIONS	TEL. 01-55- 1944-8114 (MON-FRI)
Av. Nacional No. 329 Colonia Huasteca	To Inquire about MSDS:
Delagacion Cuahtemoc, Mexico D.F. CP 11311	Department of Industrial Safety
Tel. 01-05- 1944-0000 & 01-55- 1944-0114	Te. 01-55 1944-0113 & 01-55-1944-0157
(Mon. To Fri)	(Mon to Fri)

Section II. General Information about Product

Chemical Family	Petrolum Hydrocarbons	Physical State	Liquid
Chemical Name	Coker Gasoline	Hazard Class	Class 3 flamable liquids
Synonyms	Feedstock Gasoline		
Description of Product:	Coker Gasoline received from Coker Plant directly in PEMEX Cadereyta Refinery, storage at Refinery on shore tanks dedicated.		

Section II	Identification of Components	# ONU	CAS No.	PPT (ppm)	CT (ppm)	IPVS (mg/m3)	a11(ppm)	Hazard Grade NFPA S12	I13	R14	EIE
Gasoline	100% vol	1257	ND	300	500	ND	ND	1	3	0	NA
Aromatics	7.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Olecfins	45	ND	ND	ND	ND	ND	ND	ND	NC	ND	ND
Hydrogen Sulfide	< 50 ppm	1053	+7783-6-4	10	15	100	ND	4	4	0	ND

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SECTION IV	PHYSICAL PROPERTIES		
MOLECULAR WEIGHT.	VARIABLE	pH	ND
BOILING POINT C	33 (initial boiling point) ASTM-D 86	Color	No Color
Fusion Temp. C	ND	Smell	gasoline like character
Combustion point C	ND	Evaporation rate	ND
Flash point C	ND	Soluable in water	insoluable
vapor pressure kPa	7.6 lb/in2	upper & lower explosivity limits	1.3-7.1 (typically)
gumming mg/100 ml	10.0 max	induction period	120 min
nitrogen total ppm	370.0 max		

SAMPLE TEST		TYPICAL FROM TANK	ASTM METHOD
TEST	UNIT	RESULT	
Specific weight 20/4 C	Adminensional	0.7184	D1298
Distillation			D86
Initial boiling point	C	45	
10% distillation point	D	61	
50% distillacion point	C	107	
90% distillacion point	C	146	
90% distillacion point	C	153	
Final boiling point	C	168	
Vapor pressure	lb/in2	7.6	D4953
Total sulfur content	ppm/ wt kgs	8500	D4294
Mercaptanic sulfur	ppm/ wt kgs	1.0	D3227
Hydrogen sulfide liquid	ppm/ wt kgs	< 5	UOP-163
Hydrogen sulfide vapour	ppm/ wt kgs	< 50 (a)..	UOP-163
Degrees C			
Gumming	mg/100 ml	8.2	D381
Induction period	minutes	120	D525
Lead content	g/gal	< 0.01	D3237
Octane #(RON)		70.7	D2699
Octane #(MON)		N/A	D2700
Octane Indez (R+M)/2		N/A	D2699 D2700
Paraffins	% vol	56.08	D 5134
Oleolins	% vol	23.43	D 5134
Naphthenes	% vol	10.57	D 5134
Aromatics	% vol	4.8	D 5134
Not Identified	% vol	5.12	D 5134

(a) Coker Gasoline is treated with additive R-1260 before loading at Cadereyta Refinery in order to have a safe concentration of hydrogen sulfide less than 50 ppm vapour phase. Additive supplier is Productos Rolmex, S. A. de C. V., Vasconcelos 710-1 Pte, Col. Del Valle, NL, México, 66220, (81) 8338-4087 / 5087 / 5215 (fax).
(b) Coker Gasoline is treated with additive R-2213 before loading at Cadereyta Refinery in order to have a better speed of corrosion less than 2A. Additive supplier is Productos Rolmex, S. A. de C. V., Vasconcelos 710-1 Pte, Col. Del Valle, NL, México, 66220, (81) 8338-4087 / 5087 / 5215 (fax).

SECTION IV FIRE AND EXPLOSION RISKS:

FIRE AND EXPLOSION HAZARDS:
THIS MATERIAL HAS BEEN DETERMINED TO BE A FLAMMABLE LIQUID. VAPORS MAY TRAVEL ALONG THE

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GROUND OR BE MOVED BY VENTILATION AND IGNITED BY MANY SOURCES SUCH AS PILOT LIGHTS, SPARKS, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING.FLASHBACK MAY OCCUR ALONG VAPOR TRAIL. FOR ADDITIONAL FIRE RELATED INFORMATION, SEE NFPA 30 OR NORTH AMERICAN EMERGENCY RESPONSE GUIDE 128.

EXTINGUISHING MEDIA:

FOR SMALL FIRES, CLASS B FIRE EXTINGUISHING MEDIA SUCH AS CO2, DRY CHEMICAL, FOAM (AFFF/ATC) OR WATER SPRAY CAN BE USED. FOR LARGE FIRES, WATER SPRAY, FOG OR FOAM (AFFF/ATC) CAN BE USED. FIRE FIGHTING SHOULD BE ATTEMPTED ONLY BY THOSE WHO ARE ADEQUATELY TRAINED AND EQUIPPED WITH PROPER PROTECTIVE EQUIPMENT.

SPECIAL FIRE FIGHTING INSTRUCTIONS:

AVOID USE OF STRAIGHT WATER STREAMS. WATER MAY BE INEFFECTIVE IN EXTINGUISHING LOW FLASH POINT FIRES, BUT CAN BE USED TO COOL EXPOSED SURFACES. AVOID EXCESSIVE WATER SPRAY APPLICATION. WATER SPRAY AND FOAM (AFFF/ATC) MUST BE APPLIED CAREFULLY TO AVOID FROTHING AND FROM AS FAR A DISTANCE AS POSSIBLE. KEEP RUN-OFF WATER OUT OF SEWERS AND WATER SOURCES.

ACCIDENTAL RELEASE MEASURES

ISOLATE AND EVACUATE AREA. SHUT OFF SOURCE IF SAFE TO DO SO. ELIMINATE ALL IGNITION SOURCES. ADVISE NATIONAL RESPONSE CENTER (800-424-8802) IF PRODUCT HAS ENTERED A WATERWAY. NOTIFY LOCAL HEALTH AND POLLUTION CONTROL AGENCIES, IF APPROPRIATE. CONTAIN LIQUID WITH SAND OR SOIL. RECOVER AND RETURN FREE LIQUID TO PROPER CONTAINERS. USE SUITABLE ABSORBENT MATERIALS SUCH AS VERMICULITE, SAND OR CLAY TO CLEAN UP RESIDUAL LIQUIDS.

Section VI: Reaction Risks

Stability	Instability (subtances to avoid)
In normal conditions this product is stable.	Avoid contact with ignition sources, strong oxidants, such as peroxides, nitric acids and perculates.

Decomposition into dangerous components or products

This substances does not decompose at normal temperature

Spontaneous Polimerization/ conditions to avoid

This substance will polimerize if it contains a high oleofin content

SECTION VII. EMERGENCY OVERVIEW

EXTREMELY FLAMMABLE LIQUID AND VAPOR VAPOR MAY CAUSE FLASH FIRE HARMFUL OR FATAL IF SWALLOWED MAY CAUSE LUNG DAMAGE IF SWALLOWED VAPOR HARMFUL CAUSES SKIN IRRITATION CAUSES EYE IRRITATION LONG-TERM EXPOSURE TO VAPOR HAS CAUSED CANCER IN LABORATORY ANIMALS KEEP OUT OF REACH OF CHILDREN TOXIC TO AQUATIC ORGANISMS

IMMEDIATE HEALTH EFFECTS

Eye: Contact with the eyes causes irritation. Symptoms may include pain, tearing, reddening, swelling and impaired vision. Skin: Contact with the skin causes irritation. Skin contact may cause drying or defatting of the skin. Symptoms may include

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pain, :ching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. **Ingestion:** Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death. **Inhalation:** The vapor or fumes from this material may cause respiratory irritation. Symptoms of respiratory irritation may include coughing and difficulty breathing. Breathing this material at concentrations above the recommended exposure limits may cause central nervous system effects. Central nervous system effects may include headache, dizziness, nausea, vomiting, weakness, loss of coordination, blurred vision, drowsiness, confusion, or disorientation. At extreme exposures, central nervous system effects may include respiratory depression, tremors or convulsions, loss of consciousness, coma or death.

DELAYED OR OTHER HEALTH EFFECTS:

Reproduction and Birth Defects:

This material is not expected to cause birth defects or other harm to the developing fetus based on animal data. **Cancer:** Prolonged or repeated exposure to this material may cause cancer. Gasoline has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

Contains benzene, which has been classified as a carcinogen by the National Toxicology Program (NTP) and a Group 1 carcinogen (carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Contains ethylbenzene which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Contains naphthalene, which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

Whole gasoline exhaust has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Risk depends on duration and level of exposure. See Section 11 for additional information.

SECTION VIII. FIRST AID MEASURES

Eye: Flush eyes with water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least 15 minutes. Get medical attention if irritation persists.

Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

Note to Physicians: Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

SECTION IX. FIRE FIGHTING MEASURES

See Section 7 for proper handling and storage.

FIRE CLASSIFICATION:

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(3)

OSHA Classification (29 CFR 1910.1200): Flammable liquid.

NFPA RATINGS:

Health: 1 Flammability: 3 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Tagliabue Closed Cup) < 45 °C (< -49 °F)

Autoignition: > 280 °C (> 536 °F)

Flammability (Explosive) Limits (% by volume in air): Lower: 1.4 Upper: 7.6

EXTINGUISHING MEDIA: Dry Chemical, CO2, AFFF Foam or alcohol resistant foam if >15% volume polar solvents (oxygenates).

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: Use water spray to cool fire-exposed containers and to protect personnel. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION X ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in the vicinity of the spill or released vapor. If this material is released into the work area, evacuate the area immediately. Monitor area with combustible gas indicator.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. All equipment used when handling the product must be grounded. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required. This material is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Petroleum Exclusion. Therefore, releases to the environment may not be reportable under CERCLA.

SECTION XI. HANDLING AND STORAGE

Precautionary Measures: This product presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Never siphon gasoline by mouth.

Use only as a motor fuel. Do not use for cleaning, pressure appliance fuel, or any other such use. Do not store in open or unlabeled containers. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Wash thoroughly after handling. Keep out of the reach of children.

Unusual Handling Hazards: WARNING! Do not use as portable heater or appliance fuel. Toxic fumes may accumulate and cause death.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and

EPAHO105000176

bodies of water.

Static Hazard. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating an accumulation of electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'. Improper filling of portable gasoline containers creates danger of fire. Only dispense gasoline into approved and properly labeled gasoline containers. Always place portable containers on the ground. Be sure pump nozzle is in contact with the container while filling. Do not use a nozzle's lock-open device. Do not fill portable containers that are inside a vehicle or truck/trailer bed.

General Storage Information: DO NOT USE OR STORE near heat, sparks or open flames. USE AND STORE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION XII. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

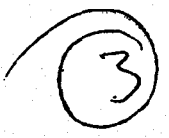
Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Chlorinated Polyethylene (or Chlorosulfonated Polyethylene), Nitrile Rubber, Polyurethane, Viton.
Respiratory Protection: Determine if airborne concentrations are below the recommended exposure limits. If not, wear an approved respirator that provides adequate protection from measured concentrations of this material, such as: Air-Purifying Respirator for Organic Vapors.
When used as a fuel, this material can produce carbon monoxide in the exhaust. Determine if airborne concentrations are below the occupational exposure limit for carbon monoxide. If not, wear an approved positive-pressure air-supplying respirator. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION XIII. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Name: GASOLINE

EPAHO105000177



DOT Hazard Class: 3 (Flammable Liquid)

DOT Identification Number: UN1268

DOT Packing Group: II

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

EPAHO105000178

INSPECTORATE

CERTIFICATE OF ANALYSIS

JOB NO.	07-0225
LAB NO.	C07020803

VESSEL	SUBMITTED SAMPLE	DATE	2/8/2007
CARGO	SOUR GAS		
TERMINAL/PORT	TRANSMONTAIGNE, BROWNSVILLE, TEXAS		
SAMPLE FROM	SHORE TANK 1001		
SAMPLE SUBMITTED BY	TRANSMONTAIGNE, BROWNSVILLE, TEXAS		
ANALYSIS PERFORMED BY	INSPECTORATE AMERICA, CORPUS CHRISTI, TEXAS		
CLIENT(S) REF.			

METHOD	TEST	RESULT
DRAGER	HYDROGEN SULFIDE VAPOR, PPM (DRAGER)	<5

FOR INSPECTORATE: Kathy Pena

KATHY PENA

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2137**

Customer: **Sierra Chemical Corp**

Waste Generator: **Transmontainge Product Service**

Waste Stream Name: **Petroleum (Coker Gas) contact water**

Expiration Date: **4/3/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☑ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

LEE PINSON
Customer Name

Signature

SIERRA CHEMICAL CORP.
Company / Title

6/26/09
Date

☑ Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

Miller Transporters 2138
Prof # 2138

EPAHO105000181

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/4/2007**

Dear **Ed Wickham**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2138

Generator: Miller Transporters
Address: PO Box 386
Channelview, TX 77530

Waste Information

Name of Waste: Non-hazardous plastic or fiber containers or drum liners
TCEQ Waste Code #: 00224061
Container Type:
Detailed Description of Process Generating Waste:
Plastic or fiber containers or drum liners from tank cleaning operations
Color: dark **Odor:** none **pH:** 4-9
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Miller Transporters		
Address:	15885 Wood Drive		
City, State, Zip:	Channelview, TX 77530		
Contact:	Ed Wickham	**Title:**	Washrack Manager
Phone No:	281-457-6348	**Fax No:**	281-457-6028
24/hr Phone:	800-238-6326		
U.S. EPA I.D. No:	TXD981053325		
State I.D.	40614	**SIC Code:**	

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Non Hazardous plastic or fiber containers or drum liners
Detailed Description of Process Generating Waste: plastic or fiber containers or drum liners from tank cleaning operations

Physical State: ☐ Liquid ☒ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: Dark **Odor:** None

Specific Gravity (water=1): 1.2-1.5 **Density:** 9 lbs/gal

Layers: ☒ Single-phase ☒ Multi-phase

Container Type:	☒	**Drum**	☐	**Tote**	☒	**Truck**	☐ **Other (explain)**
Container Size:		55 gal					

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 10 **Other:**
Texas State Waste Code No: 00224061
Proper U.S. DOT Shipping Name: Non RCRA/Non DOT Reglated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >200	**pH** 4-9	**Reactive Sulfides** NAmg/l	**Reactive Cyanides** NAmg/l	**Solids** ~~30-60%~~ 100
Oil&Grease >100mg/l	**TOC** >1500mg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

MILLER TRANSPORTERS Fax:281-457-6028 Apr 3 2007 16:41 P.02

EPAHO105000183

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Fiber or Plastic container	50-75	%
Fiber or plastic Liners	50-75	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Edward B. Wickham **Date:** 3-29-07

Printed Name/Title: Ed Wickham/Washrack Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Robbin Maynard
Date: 4-4-07 (Approved) Rejected
Approval Number: 2138

Process Facility Information:
15

MILLER TRANSPORTERS Fax:281-457-6028 Apr 3 2007 16:41 P.03

EPAHO105000184

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

MILLER TRANSPORTERS Fax:281-457-6028 Apr 3 2007 16:42 P.04

EPAHO105000185

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

MILLER TRANSPORTERS Fax:281-457-6028 Apr 3 2007 16:42 P.05

EPAHO105000186

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2138**

Customer: **Miller Transporters**

Waste Generator: **Miller Transporters**

Waste Stream Name: **Non-hazardous plastic or fiber containers or drum liners**

Expiration Date: **4/4/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

[X] No changes, please recertify.

[ ] Please send new profile as waste stream has changed.

[X] Analysis is NOT required for recertification.

[ ] The following analysis is required for recertification. Please sumbit results of the following tests.

- TCLP Metals
- TCLP Volatiles
- TCLP Semi-volatiles
- Reactivity
- Corrosivity
- Ignitability

Edward B. Wickham
Customer Name

Edward B. Wickham
Signature

Wash Rack Foreman
Company / Title

4-21-09
Date

2139 Mann Eye Institute - Houston
Prof # 2139

EPAHO105000188

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/4/2007**

Dear **Dr. Dana Ondrias**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2139

Generator: Mann Eye Institute - Houston
Address: 5115 Main Street
Houston, TX 77002

Waste Information

Name of Waste: Contaminated soil
TCEQ Waste Code #: CESQ3012
Container Type:
Detailed Description of Process Generating Waste:
TPH contaminated soil dug up during construction
Color: dark **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Mann Eye Institute		
Address:	5115 Main Stree		
City, State, Zip:	Houston, TX 77002		
Contact:	Dana Ondrias	**Title:**	Doctor
Phone No:	713-580-2575	**Fax No:**	713-580-2592
24/hr Phone:			
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Contaminated Soil
Detailed Description of Process Generating Waste: TPH contaminated soil dug up during construction

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: dark **Odor:** hydrocarbon

Specific Gravity (water=1): 1.2 **Density:** 8-9 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☒	**Drum**	☐ **Tote**	☐ **Truck**	☐	**Other (explain)**	
Container Size:		55 gal					

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 10 **Other:** one time
Texas State Waste Code No: CESQ3012
Proper U.S. DOT Shipping Name: Non RCRA/Non DOT Regulated Material

Class:	NA	**UN/NA:**	NA	**PG:**	NA	**RQ:**	NA

Flash Point NA	**pH** NA	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 100%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Soil	100	%
Hydrocarbons	trace	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analytical #7030543

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ____
TCLP Volatiles: ____
TCLP Semi-Volatiles: ____
Reactivity: ____
Corrosivity: ____
Ignitability: ____

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 4-2-07

Printed Name/Title: Dr. Dana Ondrias

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: _____ Date: 4-4-07 (Approved) Rejected Approval Number: 2139	

APR-02-2007 15:40 CES Environmental Service 713 676 1676 P.04
TOTAL P.02

EPAHO105000191

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: (713) 676-1676

Attn: **Dana Carter**

- CERTIFICATE OF RESULTS -

MES Lab#: 7030543
Client Sample ID: Contaminated Soil
Extended ID: Manneye Center

Sample Collect Date: 3/21/2007 @ 10:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 3/21/2007 @ 4:20:00 PM

Test Group / Method

TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Antimony	0.032	1	< 0.032	mg/L	3/26/2007 / 6:02 PM
Arsenic	0.050	5	< 0.050	mg/L	3/26/2007 / 6:02 PM
Barium	0.002	100	**0.837**	mg/L	3/26/2007 / 6:02 PM
Beryllium	0.005	0.08	< 0.005	mg/L	3/26/2007 / 6:02 PM
Cadmium	0.004	1	< 0.004	mg/L	3/26/2007 / 6:02 PM
Chromium	0.007	5	< 0.007	mg/L	3/26/2007 / 6:02 PM
Lead	0.010	5	< 0.010	mg/L	3/26/2007 / 6:02 PM
Nickel	0.015	70	< 0.015	mg/L	3/26/2007 / 6:02 PM
Selenium	0.050	1	< 0.050	mg/L	3/26/2007 / 6:02 PM
Silver	0.002	5	< 0.002	mg/L	3/26/2007 / 6:02 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time
Mercury	0.0002	0.2	**0.0003**	mg/L	3/25/2007 / 7:42 PM

Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL	Result	Units	Analyst: TFR Date / Time
C6 - C12 Hydrocarbons	4	**12**	mg/kg	3/23/2007 / 4:26 AM
>C12 - C28 Hydrocarbons	8	**562**	mg/kg	3/23/2007 / 4:26 AM
>C28 - C36 Hydrocarbons	8	< 8	mg/kg	3/23/2007 / 4:26 AM
Total TPH	20	**574**	mg/kg	3/23/2007 / 4:26 AM

BTEX Method: SW-846 8021B	MDL	Result	Units	Analyst: TFR Date / Time
Benzene	0.5	< 0.5	mg/kg	3/26/2007 / 4:30 AM
Toluene	0.5	< 0.5	mg/kg	3/26/2007 / 4:30 AM
Ethyl benzene	0.5	< 0.5	mg/kg	3/26/2007 / 4:30 AM
M+P-Xylene	0.5	< 0.5	mg/kg	3/26/2007 / 4:30 AM

EPAHO105000192

- CERTIFICATE OF RESULTS -

MES Lab#: 7030543

Client Sample ID: Contaminated Soil
Extended ID: Manneye Center

Sample Collect Date: 3/21/2007 @ 10:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 3/21/2007 @ 4:20:00 PM

o-Xylene	0.5	< 0.5	mg/kg	3/26/2007 / 4:30 AM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director ***Wednesday, March 28, 2007*** **Date**

EPAHO105000193

7030543

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Antimony	< 0.005	107.5	111	3.32	< 0.005	105	81.2	83.6	2.9
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Beryllium	< 0.002	109.6	110	0.73	< 0.002	107	82.1	84.6	3.1
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Nickel	< 0.001	105	106	1.66	< 0.001	104	69.3	74.9	7.7
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC
C6-C12		< 4	94.4	112.2	108.8
C12-C28		< 8	100.7	116.0	113.4

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	CCV %REC
Benzene		< 0.005	87.6	90.3	3.04	107.6
Toluene		< 0.005	78.6	84.1	6.76	105.2
Ethylbenzene		< 0.005	95.4	100.6	5.31	103.6
m+p Xylene		< 0.005	87.6	92.6	5.55	101.8
o-Xylene		< 0.005	90.8	95.8	5.36	101.4

SURROGATE SPIKE RECOVERY FOR BTEX	% REC
4-Bromofluorobenzene	99.9

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery
ML=Minimum Level of Quantitation

Signature: _____
Holland D. Gilmore / Laboratory Director

March 28, 2007

MES - CHAIN OF CUSTODY

1-800-771-4MES
(281) 476-4534
Fax (281)-476-4406

Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536

1

COMPANY NAME: (BILL TO:) CES Environmental
COMPANY ADDRESS: 4904 Griggs
CITY Houston STATE TX ZIP 77021
CONTACT PERSON'S NAME: Dina Carter
CONTACT PERSON'S PHONE: 713-748-9804 FAX #: 713-676-1676

2

YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
Manv		Manneye Center

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	**4** TPH	BTEX	TCLP 11 Metals					NUMBER OF CONTAINERS	PRESERVATIONS	**5** REMARKS
Contaminated Soil	Comp	3/21	10:00am		X	X	X					1		

5 REMARKS

TURNAROUND TIME: Standard

DETECTION LIMITS SPECIAL LIMITS REQUIRED
Yes No
Please circle one. If Yes, please describe below or include separate sheet detailing requirements.

19°C

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):
a. Dina R Carter
b.

RELINQUISHED BY: (Signature) Dina Carter — DATE 3/21 — TIME 1620 — RECEIVED BY: (Signature) Mandy Dr

7

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
			RELINQUISHED BY: (Signature)

DATE | TIME | RECEIVED BY: (Signature)

METHOD OF PAYMENT	SHIPPED BY: (Signature)	COURIER (Signature)	RECEIVED FOR MES BY: (Signature)	DATE	TIME
			Mandy Dr	3/21	1620

8

Sample Remainder Disposal
☐ Return Sample Remainder To Client Via _____
☐ I Request Lab To Dispose Of All Sample Remainders
[Signature] _____ (Date) _____

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample **PINK – Retained by Customer** **WHITE – Returned with Report**

PAGE 04 MES -2814764406 03/28/2007 14:37 EPAHO105000195

Holcomb Env 2140
Prof # 2140

EPAHO105000196

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/9/2007**

Dear **Sam Holcomb (Big)**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2140

Generator: Holcomb Environmental
Address: 3540 Coror
Houston, TX 77022

Waste Information

Name of Waste: Coolant, water and oil mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Coolant, water and oil recovered from various machine shops and mechanic shops
Color: black to cloudy **Odor:** hydrocarbon **pH:** 4-9
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.

4904 Griggs Road **Houston, TX 77021**
Phone: (713) 676-1460 **Fax: (713) 676-1676**
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Holcombn Environmental Services		
Address:	3540 Corder		
City, State, Zip:	Houston, TX 77022		
Contact:	Sam Holcomb (Big)	**Title:**	Owner
Phone No:	281-440-3096	**Fax No:**	281-931-5089
24/hr Phone:	832-443-3819		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Collant, Water, and Oil Mixture
Detailed Description of Process Generating Waste: Coolant, Water and Oil recovered from various machine shops and mechanic shops.

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: Black to Cloudy **Odor:** Hydrocarbon

Specific Gravity (water=1): .9-1.1 **Density:** 8.34 lbs/gal

Layers: ☐ **Single-phase** ☒ **Multi-phase**

Container Type:	☐ **Drum**	☐ **Tote**	☒ **Truck**	☐ **Other (explain)**
Container Size:	____	____	1-2300	____

Frequency: ☒ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Recyclable
Proper U.S. DOT Shipping Name: Recyclable, Coolant, Oil, and Water Mixture
Class: Na **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point >140	**pH** 4-9	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0-3%
Oil&Grease <20,000mg/l	**TOC** Variesmg/l	**Zinc** Namg/l	**Copper** Namg/l	**Nickel** Namg/l

EPAHO105000198

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Coolant	20-40	%
Water	60-80	%
Oil	2-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
~~Generator Knowledge~~ None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 04/09/07

Printed Name/Title: Sam Holcomb Samuel Holcomb

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: [signature] Date: 4-9-07 Approved Rejected Approval Number: 2140	.08/gal <5000 BOD .03/gal for each 5000 BOD

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☒ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000200

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000201

Sunbelt Machine 2141
Prof# 2141

EPAHO105000202

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/9/2007**

Dear **J.D.**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2141

Generator: Sunbelt Machine Works Corporation
Address: 13411 Redfish
Stafford, TX 77477

Waste Information

Name of Waste: Recyclable coolant and oil mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Coolant and oil mixture from the machine shop
Color: varies **Odor:** none **pH:** 6-8
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

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CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Sunbelt Machine Works
Address: 13411 Redfish
City, State, Zip: Stafford, TX 77477
Contact: Craig Scantlin Title: Plant Manager
Phone No: 281-499-0051 Fax No: 281-499-6326
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☑ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Recyclabe Coolant and Oil Mixture
Detailed Description of Process Generating Waste: Coolant & oil mixture from the machine shop.

Physical State: ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: varies Odor: none

Specific Gravity (water=1): 1.00-1.04 Density: 8-8.5 lbs/gal

Layers: ☐ Single-phase ☑ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 1200-2000 ____

Frequency: ☐ Weekly ☐ Monthly ☑ Quarterly ☐ Yearly
Number of Units (containers): 12 Other: Daily
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Non Dot Regulated
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200° F	6-8	NA mg/l	NA mg/l	0-2 %

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	12,000 mg/l	NA mg/l	NA mg/l	NA mg/l

EPAHO105000204

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
water	50 - 75	%
coolant	40 - 50	%
oil	2.0 - 5.0	%
Solids	0 - 2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
~~MSDS on coolant~~

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

Attn: Dan

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: X [signature] Date: X

Printed Name/Title: X Craig Scantlin 4-7-07

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: [signature] Date: 4-9-07 Approved Rejected Approval Number: 2141	$ 250/tote

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☒ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☑ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000206

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000207

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2141**

Customer: **Sunbelt Machine Works Corporation**

Waste Generator: **Sunbelt Machine Works Corporation**

Waste Stream Name: **Recyclable coolant and oil mixture**

Expiration Date: **4/9/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

○ Please send new profile as waste stream has changed.

Sunbelt Machine Works
Customer Name

J.B. Scantlin
Signature

Above / Operations Manager
Company / Title

4-27-09
Date

☒ Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

2142 GATX (Plantersville)
Prof# 2142

EPAHO105000209

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/13/2007**

Dear **Terry Nale**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2142

Generator: GATX (Plantersville)
Address: 13018 Hwy 105
Plantersville, TX 77363

Waste Information

Name of Waste: Calcium ammonium nitrate
TCEQ Waste Code #: 00061192
Container Type:
Detailed Description of Process Generating Waste:
Removal of material prior to cleaning/repairing rail cars
Color: clear-brown **Odor:** mild **pH:** 3-11
Physical State:
Incompatibilities: oxodozer, avoid high temp.
Safety Related Data/Special Handling:
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: GATX (Plantersville)
Address: 13018 Hwy 105
City, State, Zip: Plantersville, TX 77363
Contact: Terry Nale Title: plant manager
Phone No: (936) 894 3483 Fax No:
24/hr Phone:
U.S. EPA I.D. No: TXR000042739
State I.D. 016778 SIC Code:

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Calcium Ammonium Nitrate
Detailed Description of Process Generating Waste: Removal of material prior to cleaning/repairing rail cars

Physical State: ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: clear-brown Odor: mild

Specific Gravity (water=1): 1.5 Density: 12.5 lbs/gal

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55g

Frequency: ☐ Weekly ☑ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 5-10 Other:
Texas State Waste Code No: 00001192
Proper U.S. DOT Shipping Name: non DOT regulated
Class: NA UN/NA: NA PG: na RQ: na

Flash Point >200	pH 3-11	Reactive Sulfides NA mg/l	Reactive Cyanides NA mg/l	Solids 0-2 %
Oil&Grease NA mg/l	TOC NA mg/l	Zinc NA mg/l	Copper NA mg/l	Nickel NA mg/l

EPAHO105000211

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Calcium Ammonium Nitrate	10	%
Water	90	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

— Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

— MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

— oxidizer, avoid high temp.

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] Date: 4/13/07

Printed Name/Title: Terry L. Male Foreman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information: Deepwell Only
Compliance Officer: [signature] Date: 4-13-07 Approved Rejected Approval Number: 2142	1L

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000213

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000214

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

Trade Name: Calcium Ammonium Nitrate Solution **M11110**
Registration No: None

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: J.R. Simplot Company
P.O. Box 70013
Boise, ID 83707
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Calcium Ammonium Nitrate Solution
Common Name: CAN-17 17-0-0
Chemical Type: Solution mixture of inorganic nitrogen salts

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%	TLV	PEL
			Hazardous		
Ammonium Nitrate	6484-52-2	NH_4NO_3	31	N.E.	Not available
			Non-hazardous		
Calcium Nitrate	10124-37-5	$Ca(NO_3)_2$	36	Not applicable	Not available
Water	7732-18-5	H_2O	33	Not listed	Not available

SECTION 3 HAZARDS IDENTIFICATION

Ingestion: No hazard in normal industrial use. Ingestion of large amount may cause systemic ammonia poisoning and nitrate poisoning.
Inhalation: No hazard under normal conditions.
Eye Contact: May be aggravating to eyes.
Skin Absorption: Not absorbed through skin.
Skin Contact: May be aggravating to skin.
Effects of Overdose: Ingestion of large amounts may cause dizziness, abdominal cramps, vomiting, and diarrhea, discomfort to skin and eyes.

SECTION 4 FIRST AID MEASURES

Ingestion: For ingestion of large amounts, give 2-3 glasses of water and induce vomiting. Seek medical attention if condition persists.
Inhalation: If exposed to thermal decomposition gases, evacuate the person from area and, if necessary, give artificial resuscitation. Keep person at rest and call a physician.
Eyes: Flush eyes with fresh running water for 15 minutes. If condition persists, call a physician.
Skin: Wash skin with soap and water. Seek medical attention if condition persists.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Non-flammable liquid. Use media suitable to extinguish source of fire.
Special Fire Fighting Procedures: None in liquid state.
Unusual Fire and Explosion Hazards: None in liquid state. Organic and oxidizable materials can sensitize dry Ammonium Nitrate to a readily explodable state; can detonate if heated under confinement with high pressure.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Low toxicity for fish. Do not contaminate any waterway or any body of water by direct application, cleaning of equipment, or disposal.

Steps to be taken in case material is released or spilled:
Dike area and maximize recovery. Pump into tank or absorb in diatomaceous earth. Sweep up and place into containers for recycle or disposal. Wash area with water. Prevent entry into sewer or watercourses.

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Temperatures should be kept above 32°F to keep solution liquid and pumpable. Do not expose to fire. Store in a well ventilated area. DO NOT ALLOW TO DRY.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Adequate ventilation.
Respiratory Protection: None required under normal conditions.
Protective Clothing: Normal work clothing and impervious gloves.
Eye Protection: Safety glasses with side shields or chemical splash-proof goggles.
Other: Eyewash fountain and safety shower in area.

Name: Calcium Ammonium Nitrate Solution **M11110**
ration No: None

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Salt decomposes @ 350°F	**Solubility in Water:**	Complete
Specific Gravity:	1.518 @ 68°F	**% Volatiles (by volume):**	Not applicable
Flashpoint:	Non-flammable	**Vapor Pressure, mm Hg:**	Not applicable
pH:	Solution 6.0 - 6.5	**Reaction with Water:**	None
Appearance:	Clear solution.		
Extinguishing Media:	Water or media suitable to extinguish source of fire.		

SECTION 10 STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable
Conditions to Avoid:	High temperatures and fire conditions.
Incompatibility (Material to Avoid):	Organic and easily oxidizable matter.
Hazardous Decomposition Products:	Under extreme fire conditions, may liberate hazardous gases of oxides of nitrogen and ammonia.
Hazardous Polymerization:	Will not occur

SECTION 11 TOXICOLOGY INFORMATION

Acute Dermal Toxicity:	LD_{50} (rat) is greater than 5,000 mg/kg--ammonium nitrate. Not acutely toxic by dermal exposure. (TFI Product Testing Results, OECD Guideline 402)
Acute Oral Toxicity:	LD_{50} (rat) is 1,480-1,770 mg/kg--ammonium nitrate; not acutely toxic by oral exposure. (TFI Product Testing Results, OECD Guideline 425)
Acute Inhalation Toxicity:	4-hour LC_{50} (rat) is greater than 88,8000 mg/m^3 –ammonium nitrate; not toxic by inhalation. (TFI Product Testing Results)
Acute Aquatic Toxicity:	Fish 48-hour LC_{50} is 95-102 mg total NH_3/L--ammonium nitrate; daphnia 24-hour EC_{50}: 124.9 mg total NH_3/L--ammonium nitrate. Slightly toxic to aquatic organisms. (TFI Product Testing Results)

SECTION 12 ECOLOGICAL INFORMATION

None listed.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Pump into tank or absorb in diatomaceous earth product, sweep up and place into container for use or disposal. Follow local, state and federal regulations for disposal. Could be used as a fertilizer using good agronomic practices.

SECTION 14 TRANSPORT INFORMATION

Shipping name:	Not regulated by D.O.T		
Hazard Class:	None	**C.A.S. Number:**	See "Ingredients"
Reportable Quantity (RQ):	None	**D.O.T. Number:**	None
Labels Required:	None	**Haz Waste No:**	None
Placard:	None	**EPA Regist No:**	None

SECTION 15 REGULATORY INFORMATION

Carcinogenicity: by IARC?: Yes ( ) No (X) by NTP?: Yes ( ) No (X)

This product contains ammonium nitrate solution which is subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SECTION 16 OTHER INFORMATION

Flash Point (Test Method):	Non-flammable	**Flammable Limits**	**LOWER**	**UPPER**
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

MSDS Version Number: 6 (revisions to Section 11)

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. **NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED.** It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

Reviewed by: The Department of Regulatory Affairs
June 2001 (208) 672-2700

Trac
Regi

CLEANING RECIPE

CIN:	00-0999-00	**Recipe Number:**	0999
Commodity Name:	UREA-AMMONIA-AMMONIUM NITRATE SOLUTION	**Original Date:**	09/06/02

1. **Synonym:** SULFATE OF AMMONIA

2. **Identification #'s:**
   CAS # N/A
   STCC # 2818146
   RCRA N/A

3. **Health Hazard** **Refer to MSDS**
   Reactivity & Incompatibility
   Reactive **Yes** Oxidizers
   Ignitable **No**
   Incompatible with certain storage liners **No**
   Description

4. **Personal Protection:** **Level of Protection:** DD

5. **Wash Solution:** Water (**do not** use caustic, may release ammonia)

6. **Wash Cycle Time:** 1 Hour

Instructions:

App A	Review MSDS
3.2.1	General Service Car Unloading
3.4	Mobile Cleaning Procedures
3.4.6	Manual Detailing
3.5	Inspection After Cleaning

Comments:

Commercial Metal 2143
Prof # 2143

EPAHO10500218

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **5/23/2008**

Dear **Robbie Preston**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2143

Expiration Date 4/13/2009

Generator: Commercial Metal
Address: 2015 Quitman
Houston, TX 77021

Waste Information

Name of Waste: Oily water with metal and sludge
TCEQ Waste Code #: CESQ6031
Container Type: vac box
Detailed Description of Process Generating Waste:
Pit and tank cleanout from metal recycler
Color: dark **Odor:** none **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

2143

CES Environmental Services, Inc.
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Commercial Metal
Address: 2015 Quitman
City: Houston **State:** TX **Zip:** 77021
Contact: **Title:**
Phone Number: **Fax Number:**
24/hr Phone Number:
US EPA ID No: TXCESQG
State ID No: CESQG **SIC Code:** na

SECTION 2: Billing Information - ☐ **Same as Above**

Company: Preston Environmental
Address: 10100 Chapel Hill drive
City: Denham Springs **State:** LA **Zip:** 70727
Contact: Robby Mersiovsky **Title:**
Phone Number: 713.882.7740 **Fax Number:** 225.664.8655

SECTION 3: General Description of the Waste

Name of Waste: Oily water with metal and sludge
Detailed Description of Process Generating Waste:
pit and tank cleanout from metal recycler

Physical State: ☑ **Liquid** ☑ **Sludge** ☐ **Powder**
☐ **Solid** ☐ **Filter Cake** ☑ **Combination**

Color: dark **Odor:** none

Specific Gravity (water=1): 1.1 **Density:** 9.2 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No
Answer "Yes" if your waste contains benzene **AND** if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ **Single-phase** ☑ **Multi-phase**

Container Type: ☐ **Drum** ☐ **Tote** ☐ **Truck** ☑ **Other (explain)**

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Yearly** ☑ **One-Time**
Quantity: 1

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☑ No
If "Yes", then please fill out the UHC Form

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009 ☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes: _____

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No
If "Yes", then please list ALL applicable codes: _____

Texas State Waste Code Number: CESQ6031

Proper US DOT Shipping Name: Non-RCRA Non-DOT regulated material
Class: *na* **UN/NA:** *na* **PG :** *na* **RQ:** *na*

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>160		3-11		<50	mg/l	<50	mg/l	50-80	%
Oil & Grease		**TOC**		**Zinc**		**Copper**		**Nickel**	
>2000	mg/l	na	mg/l	na	mg/l	na	mg/l	na	mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
oily water	85	%
sludge	10	%
metal shavings	5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

none

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

analysis

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	
TCLP Volatiles:	x
TCLP Semi-Volatiles:	x
Reactivity:	
Corrosivity:	
Ignitability:	x

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are ~~representative of~~ all materials described by this document.

Authorized Signature: [signature] As Agent for generator **Date:** 5/12/08

Printed Name/Title: Robert MERSIOVSKY

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Date: ☐ Approved ☐ Rejected

Approval Number:

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory*: *Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory*: *Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory*: *Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/13/2007**

Dear **Robby Meriovsky**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2143

Generator: Commercial Metal
Address: 2015 Quitman
Houston, TX 77021

Waste Information

Name of Waste: Oily water with metal and sludge
TCEQ Waste Code #: CESQ6031
Container Type: vac box
Detailed Description of Process Generating Waste:
Pit and tank cleanout from metal recycler
Color: dark **Odor:** none **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Commercial Metals		
Address:	2015 Quitman		
City, State, Zip:	Houston,Texas 77026		
Contact:	Geaorge Root	**Title:**	Maint Mgr
Phone No:	713-228-7411	**Fax No:**	713-228-8098
24/hr Phone:	same		
U.S. EPA I.D. No:	~~none~~ TXCES06		
State I.D.	~~none~~ CES06	**SIC Code:**	none

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston, TX. 77029		
Contact:	Robby Mersiovsky	**Title:**	Sales
Phone No:	713-882-7740	**Fax No:**	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: oily water with metal and sludge
Detailed Description of Process Generating Waste: pit and tank clean out from metal recycler

Physical State: ☒ Liquid ☒ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☒ Combination

Color: dark **Odor:** none

Specific Gravity (water=1): 1.1 **Density:** 9.2 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: ____ ____ ____ vac-box

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: CESQ6031
Proper U.S. DOT Shipping Name: NON-DOT REGULATED SLUDGE
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
7160	3-11	<50 mg/l	<50 mg/l	50-80 %

Oil&Grease	TOC	Zinc	Copper	Nickel
7200 mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

EPAHO105000226

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oily Water	85%	
Sludge	10%	
Metal Shavings	5%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
see analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ____
TCLP Volatiles: x
TCLP Semi-Volatiles: x
Reactivity: ____
Corrosivity: ____
Ignitability: x

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] as agent for generator **Date:** 4/12/07

Printed Name/Title: Bobby Mersiovsky

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 4-13-07 Approved Rejected

Approval Number: 2143

Additional Information: OSL

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000228

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO: 61731.01

1of 1

Customer: **Select Env.**
Project ID: **Commercia/Metals Pit/TK**
Project Loc: **2015 Quitman**
Charge/P.O.:

Sample ID: **Comm. Metals**
Matrix: **Liquid**
Type: **Composite**

Environ ID: **61731.01**
Sampled: **04-09-07**
Received: **04-09-07**
Reported: **04-12-07**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	TEST BY	DATE	TIME
BTEX								
Benzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	04-12-07	12:18
Toluene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	04-12-07	12:18
Ethylbenzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	04-12-07	12:18
Xylenes	< 0.003	mg/l	--	0.003	SW846.8021B	DMB	04-12-07	12:18
Total BTEX	< 0.006	mg/l			SW846.8021B	DMB	04-12-07	12:18
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	< 499	mg/kg	--	499	TCEQ 1005.03	DB	04-12-07	02:15
DRO (Diesel Range)	2,031	mg/kg	--	499	TCEQ 1005.03	DB	04-12-07	02:15
ORO (Oil Range)	< 499	mg/kg	--	499	TCEQ 1005.03	DB	04-12-07	02:15
TOTAL TPH	2,031	mg/kg	--	499			04-12-07	02:15
RCI								
Reactive Cyanide	< 50	mg/kg	250	50	SW846.7.3.3	LC	04-11-07	09:00
Reactive Sulfide	< 50	mg/kg	500	50	SW846.7.3.4	LC	04-11-07	09:05
Corrosivity (pH)	8.53	su	=>2; =<12.5	--	SW846.9045C	JA	04-12-07	08:00
Ignitability	> 160	°F	> 140	--	SW846.1010	LC	04-11-07	09:30
METALS (RCRA) - TCLP					SW846.1311	MN	04-09-07	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	04-12-07	10:30
Barium	0.06	mg/l	100	0.02	SW846.6010B	JK	04-12-07	10:30
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	JK	04-12-07	10:30
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	04-12-07	10:30
Lead	0.03	mg/l	5.00	0.02	SW846.6010B	JK	04-12-07	10:30
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	04-12-07	10:30
Silver	< 0.05	mg/l	5.00	0.5	SW846.6010B	JK	04-12-07	10:30
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	04-11-07	08:30

Definitions:
TCLP - Toxcisity Charasteric Leaching Procedsu - Standard Units
REG - Regulatory Limit (User Should Confirm LTPH - Total petroleum Hydrocarbons
MQL - Method Quanitation Limit
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO105000229

CHAIN OF CUSTODY

ENVIRON Express Laboratories

Page ____ of ____

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: Robby Mersiovsky	Invoice To: SAME
Company: Select Environmental	Company:
Address: 223 McCarty	Address:
City: Houston State: TX Zip: 77029	City: State: Zip:
Phone: 713-882-7740	Phone:
Fax: 713 672 4531	Fax:
e-Mail: robbym@orpp.com	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #	SDS Present? Yes No
Shipment Sealed? Yes No	Samples Sealed? Yes No
Received on Ice? Yes No	Samples Intact? Yes No
Cooler Temp. (°C) 1°	Preservative Shown? Yes No NA
Hold Time OK? Yes No	Res. Cl2 Check OK? Yes No NA
pH Check OK? Yes No NA	COC & Labels Agree? Yes No

Remarks & Additional Analyses

Project Name: Commercial Metals pit/tank
Project Location: 2015 Quitman
Project No:
Sampler (Print): Robby Mersiovsky
Sampler (Sign):
Sampler Remarks:

[2] Cntr. Type	P
Number	1
Volume	500 ml
[3] Preservative	1

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL EPA TCLP VOLATILES	TOTAL EPA TCLP SEMI-VOLS	TOTAL EPA TCLP RCRA 8 METALS
61731.01	1) Comm. Metals	4/9/07 10:00	A L	C	X	X	X				X
	2)										
	3)										
	4)										
	5)										
	6)										
	7)										
	8)										
	9)										
	10)										

Relinquished By:	Company: SEM	Date/Time: 4/9/07 11:47A	Received By: Company:
Relinquished By:	Company:	Date/Time:	Received By: Company:
Relinquished By:	Company:	Date/Time:	Received By: Company:

[1] **Matrix Key**
S:Soil W:Water WW:Waste Water SL:Sludge SO:Solid SE:Sediment L: Leachate WI:Wipe OR:Organic OL:Oil DS:Drum Solid DL:Drum Liquid O:Other Oily Water

[2] **Container Type Key**
P:Plastic G:Glass V:VOA Glass O:Other _____

[3] **Preservative Key**
1:Ice(<4°C) 2:HCL 3:H2SO4 4:HNO3 5:NaOH 6:NaOH+Zn Acetate 7:Na2S2O3 8:None

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

EPAHO105000230

Schneider National 2144
Ref # 2144

EPAHO105000231

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/30/2007**

Dear **Bill Galena**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2144

Generator: Schneider National Bulk Carriers
Address: 1415A Penn City Rd
Houston, TX 77015

Waste Information

Name of Waste: Non hazardous tank heels
TCEQ Waste Code #: 00076091
Container Type:
Detailed Description of Process Generating Waste:
Removal of heel from RCRA empty containers prior to cleaning
Color: white **Odor:** slight ammonia **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Schneider National Bulk Carriers
Address : 1415A Penn City Rd 1415A Penn City Road
City, State, Zip : Houston TX 77015
Contact : Bill Galena **Title :**
Phone No : (281) 864-6416 **Fax :** (281) 864-6424
24 / HR Phone :
U.S EPA I.D No : TXD982294308
State I.D : 87070 **SIC Code** na

SECTION 2: Billing Information

Company : Schneider National Bulk Carriers
Address : 1415A Penn City Rd 1415A Penn City Road
City, State, Zip : Houston TX 77015
Contact : Bill Galena **Title :**
Phone No : (281) 864-6416 **Fax :** (281) 864-6424

SECTION 3: General Description of the Waste

Name of Waste : Non hazardous tank heels

Detailed Description of Process Generating Waste:

Removal of heel from RCRA empty containers prior to cleaning

Physical State : ☐ Liquid ☐ Sludge ☐ Powder ☑ Solid ☐ Filter Cake ☐ Combination

Color : white **Odor :** slight ammonia

Specific Gravity (Water=1) : 1.2 **Density :** 8.3 lbs / gal

Layers : ☑ Single-Phas ☐ Multi-Phase

Container Type : ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size :

Number Of Units : 2

Texas State Waste Code No : 00076091

Proper U.S. State Waste Code No : Waste, amines, liquid, corrosive, n.o.s. (fatty acid derived amines)

Class : 8 **UN/NA :** 8 **PG :** 8 **RQ :** 8

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
na	na	na mg/l	na mg/l	100 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>100 mg/l	>1000 mg/l	nd mg/l	nd mg/l	nd mg/l

EPAHO105000233

SECTION 4: Physical and Chemical Data

[redacted]	[redacted]	[redacted]
The waste consists of the following materials	**Ranges are acceptable**	**or %**
Armeen TMD	0-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
see MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: William G. Galena **Date:** 4-5-07

Printed Name/Title: William Galena

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert P. Thangada **Additional Information:** $55/dm

Date: 4-9-07 Approved Rejected OS

Approval Number: 2144

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcatego

☐ Oils Subcatego

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000235

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☑ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Matals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000236

5044

1204754 Page: 1/6

Material Safety Data Sheet

AKZO NOBEL

MSDS# 15-0158

Terry

16179

Armee

Section 1. Chemical Product and Company Identification

Product name ARMEEN® TMD

Material Uses : Surfactant.

Supplier/ Manufacturer

AKZO NOBEL SURFACE CHEMISTRY LLC
525 West Van Buren
Chicago, IL 60607-3823

AKZO NOBEL CHEMICALS LTD.
1 City Centre Drive, Suite 318
Mississauga, Ontario L5B 1M2
Canada

In Case of Emergency

CHEMTREC:	800-424-9300
CANUTEC:	613-996-6666
Medical/Handling:	914-693-6946
Product/Technical:	800-906-9977

Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight
Amines, tallow alkyl	61790-33-8	97-100
Amines, ditallow alkyl	68783-24-4	0.001-3

Section 3. Hazards Identification

Physical State Liquid.

Color Yellow. (Light.)

Odor Ammoniacal.

Emergency Overview

DANGER!
CAUSES EYE AND SKIN BURNS.
VERY TOXIC TO AQUATIC ORGANISMS.
MAY BE HARMFUL IF SWALLOWED.
MAY BE HARMFUL TO ENVIRONMENT IF RELEASED IN LARGE AMOUNTS.

Do not get in eyes, on skin or on clothing. Do not ingest. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact of spilled material and runoff with soil and surface waterways.

Possible Carcinogenic Effects

Amines, tallow alkyl: IARC, NTP, OSHA, ACGIH: Not listed.
Amines, ditallow alkyl: IARC, NTP, OSHA, ACGIH: Not listed.

Routes of Entry Absorbed through skin. Dermal contact. Eye contact.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Continued on Next Page

Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Medical Conditions Aggravated by Overexposure	Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Section 5. Fire Fighting Measures

Flammability of the Product	May be combustible at high temperature.
Flash Points	Closed cup: >150°C (302°F).
Products of Combustion	These products are nitrogen oxides (NO, NO_2...).
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill and Leak	Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7. Handling and Storage

Handling	Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact of spilled material and runoff with soil and surface waterways.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Face shield.
Body	Full suit.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Gloves.
Feet	Boots.
Protective Clothing (Pictograms)	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Ingredient Name	Exposure Limits United States

Continued on Next Page

Amines, tallow alkyl	Not available.
Amines, ditallow alkyl	Not available.

Section 9. Physical and Chemical Properties

Physical State	Liquid.
Color	Yellow. (Light.)
Odor	Ammoniacal.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.
Boiling/Condensation Point	290 to 350°C (554 to 662°F)
Melting/Freezing Point	40°C (104°F)
Cloud Point	43°C
Pour Point	41°C
Density	0.813 g/cm³ (38°C / 100.4°F)
Vapor Pressure	<0.1 kPa (<1 mmHg) (at 20°C)
Solubility	Very slightly soluble in cold water.
Dispersion Properties	Not available.
	Viscosity = 42.4SSU @ 45°C; 40.0SSU @ 55°C; 38.3SSU @ 65°C; 37.4SSU @ 75°C.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility with Various Substances	Reactive with OXIDIZING AGENTS, acids.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals

Ingredient Name or Product name	Test	Result	Route	Species
Amines, tallow alkyl	LD50	1950 mg/kg	Oral	Rat

Special Remarks on Toxicity to Animals	Amines, tallow alkyl: INHALATION > 0.033 mg/L 1 hour(s) Rat; highest concentration tested.
Chronic Effects on Humans	MUTAGENIC EFFECTS: Classified None. for human [Amines, tallow alkyl]. Non-mutagenic for bacteria and/or yeast. [Amines, tallow alkyl].
Special Remarks on Chronic Effects on Humans	Amines, tallow alkyl: Chromosomal (DNA) abnormalities will not occur in CHO mammalian cell assay, the In Vivo Cytogenetics Assay in mice, the CHO/HGPRT mammalian cell assay and the Mouse Lymphoma Assay; based on a similar material.
Acute Effects Skin	Corrosive to the skin.
Acute Effects Eyes	Corrosive to the eyes.

Continued on Next Page

Section 12. Ecological Information

Ecotoxicity

Ingredient Name or Product name	Species	Period	Result
Amines, tallow alkyl	Minnows based on data for: (similar material) (LC50)	96 hour(s)	0.11 mg/l
	daphnia based on data for: (similar material) (EC50)	48 hour(s)	0.011 mg/l
	Algae. based on data for: (similar material) (EC50)	72 hour(s)	0.03 mg/l

Biodegradability and Ecotoxicity Remarks Amines, tallow alkyl: 55% @ 28 day(s) CBT. 72% @ 42 day(s) CBT

Biodegradable/OECD Readily biodegradable.

Products of Degradation These products are nitrogen oxides (NO, NO_2...).

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

Section 14. Transport Information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
DOT Classification	UN2735	Amines, liquid, corrosive, n.o.s. (Fatty acid derived amines)	8 -	III		-
TDG Classification	UN2735	AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty acid derived amines)	8 -	III		Special Provisions Classified in Accordance with UN Recomendations
IMDG Class	UN2735	AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty acid derived amines)	8 -	III		-
IATA-DGR Class	UN2735	Amines, liquid, corrosive, n.o.s. (Fatty acid derived amines)	8 -	III		-

Continued on Next Page

Section 15. Regulatory Information

HCS Classification Corrosive Material

U.S. Federal Regulations

TSCA: All intentionally present components are listed on the TSCA inventory.

DSL: All intentionally present components are listed on the DSL.

CERCLA: Hazardous substances.: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 Form R Reporting Requirements
No products were found.

SARA 313 Supplier Notification
No products were found.

State Regulations No products were found.

California prop. 65: No products were found.

WHMIS (Canada) Class E: Corrosive liquid.

CEPA DSL: Amines, tallow alkyl; Amines, ditallow alkyl

European Union

Component	EC Number	EC Status	EC Annex
Amines, tallow alkyl	263-125-1	Not available.	Not available.
Amines, ditallow alkyl	272-181-0	Not available.	Not available.

Other International Lists Australia (NICNAS): Amines, tallow alkyl; Amines, ditallow alkyl

Japan (MITI): Amines, tallow alkyl

Korea (TCCL): Amines, tallow alkyl

Philippines (RA6969): Amines, tallow alkyl

Section 16. Other Information

Hazardous Material Information System (U.S.A.)

Health	3
Fire Hazard	1
Reactivity	0
Personal Protection	

National Fire Protection Association (U.S.A.)

Other Information Armeen® is a registered trademark of Akzo Nobel or affiliated companies and is registered in one or more countries including the United States.

Validation Date	12/29/2003.	**Validated by**	Gabrielle Brita
Previous Validation Date	No Previous Validation.	**Print Date**	12/29/2003.
		Phone Number	312-544-7038

Notice to Reader

Continued on Next Page

South Coast 2145
Prof # 2145

EPAHO10500242

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/11/2007**

Dear **Darryl Poe**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2145

Generator: South Coast Terminals (East Ave S)
Address: 9317 East Avenue S
Houston, TX 77012

Waste Information

Name of Waste: Waste glycol
TCEQ Waste Code #: 93382071
Container Type:
Detailed Description of Process Generating Waste:
Removal of material prior to tank cleaning
Color: clear-brown **Odor:** none **pH:** 3-11
Physical State:
Incompatibilities: oxidizer
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: South Coast Terminals (East Ave. S)
Address: 9317 East Ave. S
City, State, Zip: Houston, TX 77012
Contact: Marcus Title: Plant Manager
Phone No: 713-928-7451 Fax No:
24/hr Phone:
U.S. EPA I.D. No: TXD087991734
State I.D. 33541 SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: South Coast
Address: 7401 Wallisville Rd.
City, State, Zip: Houston, TX 77020
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Waste Glycol
Detailed Description of Process Generating Waste: Removal of material prior to tank cleaning

Physical State: ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: clear-brown Odor: none

Specific Gravity (water=1): 1.15 Density: 9.6 lbs/gal

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☑ Truck ☐ Other (explain)
Container Size: 5000 g.

Frequency: ☐ Weekly ☑ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1 Other:
Texas State Waste Code No: 93382071
Proper U.S. DOT Shipping Name: Not Non DOT regulated
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	NA mg/l	NA mg/l	0-2 %

Oil & Grease	TOC	Zinc	Copper	Nickel
NA mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

EPAHO105000244

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	20 - 30	%
Glycol Mixtures	70 - 80	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

— Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

— MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

— Oxidizer

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☑ **generator knowledge and/or** ☐ **analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.**

Authorized Signature: Daryle Poe **Date:** 4/5/07

Printed Name/Title: DARYLE POE HSE MNG.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rebecca Chavez

Date: 4-9-07 **Approved** **Rejected**

Approval Number: 2145

Process Facility Information: MUST BE Deepwelled for high TOC's. charge #0.20/gal plus #425 trans.

OL

EPAHO105000245

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☑ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000246

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000247

Oxid
T-074

material must be deepwelled due to very high TOC

060

Material Safety Data Sheet[1]

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: I-12

Chemical Family: Alcohols
Chemical Name: Glycol Mixture
Formula: Mixture

MANUFACTURER:
Oxid L.P.
101 Concrete St.
Houston, Texas 77012
TEL. 713 923-9136
FAX: 713 924-6417

EMERGENCY TELEPHONE NUMBER:
713-923-9136

CHEMTREC
USA 800-424-9300
INTERNATIONAL 202-483-7616(COLLECT)

2. COMPOSITION/INFORMATION ON INGREDIENTS

	WT %	CAS NO.
Ethylene Glycol	75% +/- 5%	107-21-1
Diethylene Glycol	15% +/- 5%	111-46-6
Triethylene Glycol	1-2%	112-27-6
1,4-Dioxane	0-5%	123-91-1
Water	10% +/- 5%	

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Colorless liquid

POTENTIAL HEALTH EFFECTS:

[1] The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY, OR GUARANTY, EXPRESSED OR IMPLIED IS MADE REGARDING PERFORMANCE, STABILITY, OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or Local laws.

EPAHO105000248

EYE: Mildly irritating

SKIN CONTACT: Mildly irritating.

SKIN ABSORPTION: Unlikely to occur. Repeated skin exposure to large quantities may result in absorption of harmful amounts.

INGESTION: Amounts ingested incidental to industrial handling are not likely to cause injury. Ingestion of larger amounts, however, could cause serious injury, even death.

INHALATION: No hazard in normal industrial use, at normal handling temperatures. Moderately toxic at high temperatures.

CHRONIC EFFECTS: A by-product when EG is heated in the presense of a mineral acid, 1,4-dioxane is listed by The National Toxicology Program as reasonably anticipated to be carcinogenic.

4. FIRST AID MEASURES

EYES : Flush eyes with water for at least 15 minutes. Get medical attention immediately.

SKIN: Flush skin well with water after contact. Wash contaminated clothing before reuse. If irritation persists, contact a physician.

INGESTION: Get medical attention immediately.

INHALATION: No adverse effects anticipated by breathing small amounts during proper industrial handling. Immediately consult medical help if problems arise.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Combustion may generate toxic carbon oxides

FLASH POINT (°F): >200 PMCC

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide or dry chemical.

FIRE AND EXPLOSION HAZARDS: None

FIRE-FIGHTING EQUIPMENT: Wear complete protective equipment including a positive

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pressure self-contained breathing apparatus in any enclosed space or other exposure to vapors.

6. ACCIDENTAL RELEASE MEASURES

Use appropiate personnel protective equipment measures during clean-up. For small spills, use a solid absorbent and shovel into disposal container. For large spills, dike the area to facilitate salvage or disposal. Shut-off leak if able to do so. Avoid runoff into storm sewers which are not connected to waste treatment facilities. Follow applicable government regulations.

7. HANDLING AND STORAGE:

Product should be stored apart from oxidizing agents, or other strong reactive materials.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Have appropriate NIOSH approved respirator available.

SKIN PROTECTION: Wear rubber or neoprene gloves.

EYE PROTECTION: Use safety glasses or chemical splash goggles.

EXPOSURE GUIDELINES: OSHA PEL and ACGIH TLV are 50 ppm Ceiling for ethylene glycol vapor.

ENGINEERING CONTROLS: Use good general ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless liquid.
ODOR: NONE
BOILING POINT: 270° F
VAPOR PRESSURE (mmHg): 0.12 mmHg @ 25°C
SOLUBILITY IN WATER: Completely miscible
SPECIFIC GRAVITY: 1.15 @ 20/20°C

10. STABILITY AND REACTIVITY

STABILITY: Avoid extreme heat
INCOMPATIBILITY: Avoid contact with oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic carbon oxides are formed by thermal decomposition.

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11. TOXICOLOGICAL INFORMATION

Ethylene Glycol is classified by the U.S. DOT as an environmentally hazardous substance. Also, see Section 3.

1,4-Dioxane: ACGIH TLV substance; the ACGIG TWA is 25 ppm or 90 mg/m3; ACGIH skin designation; OSHA Table Z-1- A air contaminant; the OSHA transitional PEL is 100 ppm or 360 mg/m3; OSHA transitional and final rule skin designation: the OSHA TWA is 25 ppm or 90 mg/m3; IARC possible carcinogen; inadequate human evidence; sufficient animal evidence; NFPA health rating is 2; NFPA flammability rating is 3; NFPA reactivity rating is 1.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Incineration is the preferred method where permitted under appropiate federal, state, or local regulations. This product when spilled or disposed of is a non-hazardous solid waste as defined in Resource Conservation Recovery Act Regulations (40CFR261).

14. TRANSPORT INFORMATION

Transportation and hazardous material description

Ethylene glycol is DOT-regulated only if you ship 5000 lbs. or more in one container. Proper shipping name:

RQ, Environmentally Hazardous Substance, liquid, n.o.s. (Contains Ethylene Glycol), 9, UN 3082, PGIII

15. REGULATORY INFORMATION

OSHA

This document has been prepared in accordance with the MSDS requirements of the OSHA HAZARD COMMUNICATION STANDARD, 29 CFR, 1910.1200.This product is not hazardous under the criteria of the OSHA Hazard Communication Standard.

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SARA Title III
This product contains the following substances subject to the reporting requirements of Section 313:

Ethylene Glycol	RQ - 5000 lbs
1,4-Dioxane	RQ - 100 lbs

TOXIC SUBSTANCE CONTROL ACT:
This product or its components is/are listed on the Toxic Substances Control Act (TSCA) inventory.

DOT
Ethylene glycol is listed as an Environmentally Hazardous Substance per 49 CFR, 172.101, Appendix A. (See Item 14, above.)

California Proposition 65
No materials listed

16. OTHER INFORMATION

HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	1
	REACTIVITY	0

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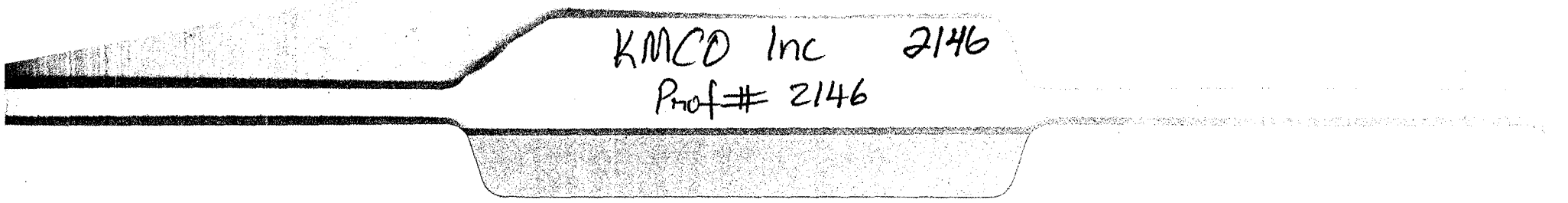

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CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/11/2007**

Dear **Bill Glushko**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2146

Generator: KMCO, Inc.
Address: 16503 Ramsey Rd.
Crosby, TX 77532

Waste Information

Name of Waste: SIB oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Off-spec product
Color: amber-dark **Odor:** pungent **pH:** 3-11
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: KMCO
Address: 16503 Ramsey Road
City, State, Zip: Crosby, TX 77532
Contact: Bill Glushko Title: Plant Manager
Phone No: 281-328-3501 Fax No:
24/hr Phone:
U.S. EPA I.D. No: NA
State I.D. NA SIC Code: NA

SECTION 2: Billing Information – [X] Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: SLB Oil
Detailed Description of Process Generating Waste: Off spec product

Physical State: [X] Liquid [ ] Sludge [ ] Powder [ ] Solid [ ] Filter Cake [ ] Combination

Color: Amber - Dark Odor: pungent

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Layers: [X] Single-phase [ ] Multi-phase

Container Type: [ ] Drum [ ] Tote [X] Truck [ ] Other (explain)
Container Size: 600+

Frequency: [ ] Weekly [ ] Monthly [X] Quarterly [ ] Yearly
Number of Units (containers): 1 Other:
Texas State Waste Code No: N/A - RECYCLE
Proper U.S. DOT Shipping Name: Flammable liquid, n.o.s.
Class: 3 UN/NA: UN1993 PG: II RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>120	3-11	NR mg/l	NA mg/l	0-2 %

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
MCP 1397	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on [X] generator knowledge and/or [ ] analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: n/a - per Matt Bowman **Date:** 4-5-07

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert R Thaugarden Additional Information: No charge

Date: 4-9-07 Approved Rejected

Approval Number: 2146 REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

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(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

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ExxonMobil

MATERIAL SAFETY DATA BULLETIN

497
1.2

MCP 1397

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MCP 1397
SUPPLIER: EXXONMOBIL CHEMICAL COMPANY
SYNTHETICS DIVISION
2195 ROUTE 27
EDISON, NJ 08818

24 - Hour Emergency (call collect):	609-737-4411	
Product and MSDS Information:	732-321-6048	
CHEMTREC:	800-424-9300	202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: SULFURIZED ISOBUTYLENE

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.

OTHER POTENTIALLY HAZARDOUS INGREDIENTS:

Substance Name	Wt%
SULFURIZED ALKENE	100

See Section 15 for European Label Information.

See Section 8 for exposure limits (if applicable).

ExxonMobil **MATERIAL SAFETY DATA BULLETIN**

3. HAZARDS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.
EFFECTS OF OVEREXPOSURE: Respiratory irritation, dizziness, nausea, loss of consciousness. Prolonged repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.
EMERGENCY RESPONSE DATA: Amber Liquid. Material is combustible. Exposure to fire can generate highly toxic fumes. DOT ERG No. : 128 . SEC: 2

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use mouth to mouth resuscitation.
INGESTION: Do not induce vomiting. Get medical assistance.
NOTE TO PHYSICIANS: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep fire exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is combustible. Exposure to fire can generate highly toxic fumes. Flash Point C(F): 81(178) (ASTM D-93). Flammable limits - LEL: NE, UEL: NE.
NFPA HAZARD ID: Health: 2, Flammability: 2, Reactivity: 0
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Sulfur oxides.

ExxonMobil **MATERIAL SAFETY DATA BULLETIN**

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up with spark-resistant shovel and remove to appropriate waste disposal facility in accordance with current applicable laws and regulations.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.
PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: Use in well ventilated area away from all ignition sources. Avoid sparking conditions. Ground and bond all transfer equipment.
STORAGE: Store in a cool area away from all ignition sources. Store in a cool area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use local exhaust over heating operations. Use in well ventilated area. Ventilation desirable and equipment should be explosion proof.
RESPIRATORY PROTECTION: Use appropriate respiratory protective equipment during heating operations.
EYE PROTECTION: Normal industrial eye protection practices should be employed.
SKIN PROTECTION: If prolonged or repeated skin contact is likely, impervious gloves should be worn. Good personal hygiene practices should always be followed.
EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid
COLOR: Amber
ODOR: Mercaptan
ODOR THRESHOLD-ppm: NE
pH: NA

(Section continued next page)

ExxonMobil **MATERIAL SAFETY DATA BULLETIN**

BOILING POINT C(F): NE
MELTING POINT C(F): NA
FLASH POINT C(F): 81(178) (ASTM D-93)
FLAMMABILITY: NE
AUTO FLAMMABILITY: NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: NE
VAPOR DENSITY: NE
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 1.03
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: NE
VISCOSITY AT 40 C, cSt: 5.3
VISCOSITY AT 100 C, cSt: 1.7
POUR POINT C(F): < -64(-83)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Heat, sparks, flame and build up of static electricity.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Sulfur oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---
ORAL TOXICITY (RATS): Practically non-toxic.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.
EYE IRRITATION (RABBITS): Practically non-irritating. Eye irritation scores: 6.0 at 24 hours, 3.3 at 48 hours, 2.3 at 72 hours
SKIN IRRITATION (RABBITS): Practically non-irritating. Primary irritation score: 0.8/8
OTHER ACUTE TOXICITY DATA: ***DOT skin corrosivity (4 hours): Negative ***

---GENETIC TOXICOLOGY (SUMMARY)---
***Mouse Lymphoma (L5178Y/TK+/-) Assay: Positive. ***Negative Ames Test.

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ExxonMobil **MATERIAL SAFETY DATA BULLETIN**

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: After 28 days, 3.3% of this material was converted to CO2 in the OECD 301B (Modified Sturm) test.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT:

SHIPPING NAME:	Combustible Liquid, n.o.s. (contains SULFURIZED ISOBUTYLENE)
HAZARD CLASS & DIV:	COMBUSTIBLE LIQUID
ID NUMBER:	NA1993
ERG NUMBER:	128
PACKING GROUP:	PG III
STCC:	NE
DANGEROUS WHEN WET:	No
POISON:	No
LABEL(s):	NA
PLACARD(s):	Combustible
PRODUCT RQ:	NA
MARPOL III STATUS:	NA

In accordance with 49 CFR 173.150(f)(2), non-bulk quantities of this material (<119 gallons per container) may be shipped as non regulated for USA domestic shipments.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

(Section continued next page)

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ExxonMobil **MATERIAL SAFETY DATA BULLETIN**

IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, METI, and DSL.

EU Labeling:

Symbol: Not applicable.

Risk Phrase(s): Not applicable.

Safety Phrase(s): S24-62.
Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains: Sulfurized Isobutylene.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES:
FIRE CHRONIC

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS

*** NO REPORTABLE INGREDIENTS ***

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA 2	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

EPAHO105000264

ExxonMobil **MATERIAL SAFETY DATA BULLETIN**

16. OTHER INFORMATION

Precautionary Label Text:

CONTAINS SULFURIZED HYDROCARBONS

CAUTION!

COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE NOSE, THROAT AND LUNG IRRITATION, DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS. LOW VISCOSITY MATERIAL-IF SWALLOWED, MAY BE ASPIRATED AND CAN CAUSE SERIOUS OR FATAL LUNG DAMAGE.

PROLONGED, REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

Keep away from heat and flame. Avoid contact with skin or clothing. Avoid breathing vapor. Keep container closed. Use with adequate ventilation.

FIRST AID: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician immediately. In case of contact, wash skin with soap and water. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse. If swallowed, seek immediate medical attention. Do not induce vomiting. Only induce vomiting at the instruction of a physician.

For industrial use only. Not intended or suitable for use in or around a household or dwelling.

Empty container may contain product residue, including flammable or explosive vapors. Do not cut, puncture, or weld on or near container. All label warnings and precautions must be observed until container has been thoroughly cleaned or destroyed.

Refer to product Material Safety Data Bulletin for further safety and health information.

USE: EXTREME PRESSURE ADDITIVE

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS.

INGREDIENT	CAS NUMBER
1-PROPENE, 2-METHYL-, SULFURIZED	68511-50-2

****

For Internal Use Only: MHC: 0 1* 0* 0 1, MPPEC: C, TRN: 6013973-00, REQ: CHEMICAL PRODUCTS, SAFE USE: C
EHS Approval Date: 20APR1999

(Section continued next page)

EPAHO105000265

ExxonMobil **MATERIAL SAFETY DATA BULLETIN**

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Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Exxon Mobil Corporation and its affiliated companies assume no responsibility for accuracy of information unless the document is the most current available from an official ExxonMobil distribution system. Exxon Mobil Corporation and its affiliated companies neither represent nor warrant that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

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Date Printed Thursday, March 07, 2002

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676
www.cesenvironmental.com

Fax

To:	Andy Anderson	**From:**	Matt Bowman
Fax:	409-835-1491	**Pages:**	9
Phone:		**Date:**	June 27, 2006
Re:	SIB MSDS	**cc:**	

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

- **Comments:**

Attached is the MSDS for which you requested.

Matt

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **-2146**

Customer: **KMCO, Inc.**

Waste Generator: **KMCO, Inc.**

Waste Stream Name: **SIB oil**

Expiration Date: **4/9/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box) Please Send MSDS

(No changes, please recertify.)

Please send new profile as waste stream has changed.

KMCO L.P. / Bill Gilchrist
Customer Name

Signature

KMCO / ENV mgr
Company / Title

4/29/09
Date

(Analysis is NOT required for recertification.)

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

5-6-09
Matt said this profile does not need to be recertified.
Robin

1738
1.0

ExxonMobil

6022362-00 MCP 2236
MATERIAL SAFETY DATA BULLETIN

---

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MCP 2236
SUPPLIER: EXXONMOBIL CHEMICAL COMPANY
SYNTHETICS DIVISION
2195 ROUTE 27
EDISON, NJ 08818

24 - Hour Health and Safety Emergency (call collect): 609-737-4411

24 - Hour Transportation Emergency:
CHEMTREC: 800-424-9300 202-483-7616

Product and Technical Information: 732-321-6048

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: SULFURIZED ISOBUTYLENE

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

OTHER INGREDIENTS:

Substance Name	Approx. Wt%
SULFURIZED ISOBUTYLENE	100

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

This product is considered hazardous according to regulatory guidelines (See Section 15).

EMERGENCY OVERVIEW: Clear Brown Liquid. Material is combustible.
Exposure to fire can generate highly toxic fumes. DOT ERG No. :

POTENTIAL HEALTH EFFECTS: Low viscosity material-if swallowed may enter the lungs and cause lung damage. Prolonged repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Respiratory irritation, dizziness, nausea, loss of consciousness.

POTENTIAL ENVIRONMENTAL EFFECTS: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

For further health effects/toxicological data, see Section 11.

---

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with bag-valve-mask device or use mouth-to-mouth resuscitation.
INGESTION: Do not induce vomiting. Get medical assistance.
NOTE TO PHYSICIANS: Material if ingested may be aspirated into the lungs and can cause chemical pneumonitis. Treat appropriately.

---

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep fire exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is combustible. Exposure to fire can generate highly toxic fumes.
Flash Point C(F): 84(183) (ASTM D-93).
Flammable Limits (approx.% vol.in air) - LEL: NE, UEL: NE
NFPA HAZARD ID: Health: 2, Flammability: 2, Reactivity: 0

---

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up with spark-resistant shovel and remove to

appropriate waste disposal facility in accordance with current applicable laws and regulations.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.
PERSONAL PRECAUTIONS: See Section 8

---

7. HANDLING AND STORAGE

HANDLING: Use in well ventilated area away from all ignition sources. Avoid sparking conditions. Ground and bond all transfer equipment.
STORAGE: Store in a cool area away from all ignition sources. Store in a cool area.
EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

---

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

This product does not contain any components which have recognized exposure limits.

VENTILATION: Use local exhaust over heating operations. Use in well ventilated area. Ventilation desirable and equipment should be explosion proof.
RESPIRATORY PROTECTION: Use appropriate respiratory protective equipment during heating operations.
EYE PROTECTION: Normal industrial eye protection practices should be employed.
SKIN PROTECTION: If prolonged or repeated skin contact is likely, impervious gloves should be worn. Good personal hygiene practices should always be followed.

---

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid
COLOR: Clear Brown
ODOR: Sulfur
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C(F): NE
MELTING POINT C(F): NA
FLASH POINT C(F): 84(183) (ASTM D-93)
FLAMMABILITY (solids): NE

AUTO FLAMMABILITY C(F): NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: NE
VAPOR DENSITY: NE
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 1.095
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: NE
VISCOSITY AT 40 C, cSt: NE
VISCOSITY AT 100 C, cSt: 2.0
POUR POINT C(F): NE
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

---

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Heat, sparks, flame and build up of static electricity.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Sulfur oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

---

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.
EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: 0 or greater but 6 or less). ---Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

---

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

In the absence of specific environmental data for this product, this assessment is based on information for representative products.

ECOTOXICITY:

Acute LC/EC50: Algae: Harmful ---Based on testing of similar products (EC50: >10-100 ppm).

MOBILITY: Not established.

PERSISTENCE AND DEGRADABILITY: Not readily biodegradable. Based upon test data for a similar product.

BIOACCUMULATIVE POTENTIAL: Not established.

---

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

---

14. TRANSPORT INFORMATION

USA DOT:

SHIPPING NAME:	Combustible Liquid, n.o.s. (contains SULFURIZED ISOBUTYLENE)
HAZARD CLASS & DIV:	COMBUSTIBLE LIQUID
ID NUMBER:	NA1993
ERG NUMBER:	128
PACKING GROUP:	PG III
STCC:	NE
DANGEROUS WHEN WET:	No
POISON:	No
LABEL(s):	NA
PLACARD(s):	Combustible
PRODUCT RQ:	NA
MARPOL III STATUS:	NA

In accordance with 49 CFR 173.150(f)(2), non-bulk quantities of this material (<119 gallons per container) may be shipped as non regulated for USA domestic shipments.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

---

15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.

EU Labeling: Product is dangerous as defined by the European Union Dangerous Substances/Preparations Directives.

Symbol: Not applicable.

Risk Phrase(s): R52/53.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s): S24-61-62.
Avoid contact with skin. Avoid release to the environment. Refer to special instructions/Safety data sheets. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, METI, and DSL.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES:
FIRE CHRONIC ACUTE

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS

*** NO REPORTABLE INGREDIENTS ***

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

USE: EXTREME PRESSURE ADDITIVE

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Precautionary Label Text:

CONTAINS SULFURIZED HYDROCARBONS

CAUTION!

COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE NOSE, THROAT AND LUNG IRRITATION, DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS. LOW VISCOSITY MATERIAL-IF SWALLOWED, MAY BE ASPIRATED AND CAN CAUSE SERIOUS OR FATAL LUNG DAMAGE.

PROLONGED, REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

Keep away from heat and flame. Avoid contact with skin or clothing. Avoid breathing vapor. Keep container closed. Use with adequate ventilation.

FIRST AID: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician immediately. In case of contact, wash skin with soap and water. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse. If swallowed, seek immediate medical attention. Do not induce vomiting. Only induce vomiting at the instruction of a physician.

For industrial use only. Not intended or suitable for use in or around a household or dwelling.

Empty container may contain product residue, including flammable or explosive vapors. Do not cut, puncture, or weld on or near container.

All label warnings and precautions must be observed until container has been thoroughly cleaned or destroyed.

Refer to product Material Safety Data Bulletin for further safety and health information.

****
For Internal Use Only: MHC: 0* 1* 0* 0* 1*, MPPEC: C, TRN: 6022362-00, REQ: CHEMICAL PRODUCTS, SAFE USE: C
EHS Approval Date: 03OCT2002
****

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Exxon Mobil Corporation and its affiliated companies assume no responsibility for accuracy of information unless the document is the most current available from an official ExxonMobil distribution system. Exxon Mobil Corporation and its affiliated companies neither represent nor warrant that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

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For further information, contact:
Mobil Chemical Products International, Inc.
2, rue des Martinets
BP 270
92505 RUEIL MALMAISON CEDEX, France

2147 Miller Transporters
Prof # 2147

EPAHO105000277

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/11/2007**

Dear **Ed Wickham**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2147

Generator: Miller Transporters
Address: PO Box 386
Channelview, TX 77530

Waste Information

Name of Waste: Wood pallets
TCEQ Waste Code #: Recyle
Container Type: flatbed truck
Detailed Description of Process Generating Waste:
Wood pallets
Color: l. brown to d. brown **Odor:** none **pH:** na
Physical State:
Incompatibilities: open flame
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Miller Transporters
Address : 14855 Wood Drive
City, State, Zip : Channelview TX 77530
Contact : Ed Wickham Title :
Phone No : 281-457-6348 Fax : 281-457-6348
24 / HR Phone :
U.S EPA I.D No : TXD981053325
State I.D : 41061 4 SIC Code NA

SECTION 2: Billing Information

Company : Miller Transporters
Address : P.O. Box 386
City, State, Zip : Channelview TX 7530
Contact : Ed Wickham Title :
Phone No : 281-457-6348 Fax :

SECTION 3: General Description of the Waste Wood Pallets
Name of Waste : Wood Pallets

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☑ Solid ☐ Filter Cake ☐ Combination

Color : light Brown to dark Brown Odor : NONE
Specific Gravity (Water=1) : N/A Density : N/A lbs / gal
Layers : ☑ Single-Phas ☐ Multi-Phase
Container Type : ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain) Flatbed Truck
Container Size :
Number Of Units : 100
Texas State Waste Code No : Recycle
Proper U.S. State Waste Code No : Non RCRA/non DOT Regulated material (wood)
Class : N/A UN/NA : N/A PG : N/A RQ : N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	N/A	N/A mg/l	N/A mg/l	100 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

EPAHO105000279

SECTION 4: Physical and Chemical Data

Wood - 100%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Open Flame

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ✓

TCLP Volatilies : ✓

TCLP Semi-Volatiles : ✓

Reactivity : ✓

Corrosivity : ✓

Ignitability : ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : not required Date : _____

Printed Name / Title : _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer : Robert Ranger	
Date : 4-11-17 Status : (Approved) Rejected	Recommended Treatment: REC
Approval Number : 2147	

EPAHO105000280

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Matals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000281

Kinder Morgan 2148
Prof # 2148

EPAHO105000282

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8-4-09
LAB
T-34

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **4/11/2007**

Dear **Jonny Salinas**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2148

Generator: Kinder Morgan
Address: 906 Clinton Dr
Galena Park, TX 77547

Waste Information

Name of Waste: TPH contaminated soil
TCEQ Waste Code #: 00253011
Container Type:
Detailed Description of Process Generating Waste:
Oil contaminated soil from a cleanup area
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Kinder Morgan
Address: 906 ~~Kinder~~ Clinton Drive
City, State, Zip: Galena Park, TX 77547
Contact: Lance Wiley Title: Environmental Manager
Phone No: 713-920-2436 Fax No:
24/hr Phone:
* U.S. EPA I.D. No: TXD026481523
* State I.D. 30573 SIC Code: NA

SECTION 2: Billing Information – [X] Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: TPH cont. Soil
* Detailed Description of Process Generating Waste: Oil contaminated soil from a clean up area

Physical State: [ ] Liquid [ ] Sludge [ ] Powder [X] Solid [ ] Filter Cake [ ] Combination

Color: Dark Odor: Hydrocarbon

Specific Gravity (water=1): NA Density: NA lbs/gal

Layers: [X] Single-phase [ ] Multi-phase

Container Type: [X] Drum [ ] Tote [ ] Truck [ ] Other (explain)
Container Size: 55 ____ ____ ____

Frequency: [ ] Weekly [ ] Monthly [X] Quarterly [ ] Yearly
Number of Units (containers): 10 Other: ____

* Texas State Waste Code No: 00253011
Proper U.S. DOT Shipping Name: Non DOT regulated Material
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
7150	3-11	C.25 mg/l	C.25 mg/l	100%
Oil&Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
NA mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

EPAHO105000285

SECTION 4: Physical and Chemic[illegible]ata

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Dirt, sand, rocks	90 - 100	%
Absorbent	5 - 10	%
oil	0 - 3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity:
Corrosivity:
Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on [X] generator knowledge and/or [X] analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Lance Wiley **Date:** 4-10-07

Printed Name/Title: Lance Wiley

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Robert Arenas Date: 4-11-07 (Approved) Rejected Approval Number: 2148	15

EPAHO105000286

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000287

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000288

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

Kinder Morgan
P O Box 486
Galena Park, TX 77547-0486

Phone: (713) 920-6436
Fax: (713) 472-7660

Attn: **Lance Wiley**

- CERTIFICATE OF RESULTS -

MES Lab#: 7030782
Client Sample ID: Soil / Oil #1
Extended ID: Oil / Tar Soil

Sample Collect Date: 3/27/2007 @ 2:00:00 PM **Sample Type:** Comp
Sample Receipt Date: 3/28/2007 @ 6:40:00 PM

Test Group / Method

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	3/29/2007 / 3:00 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25	< 0.25	mg/kg	3/30/2007 / 12:40 PM

CORROSIVITY: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		7.72		3/29/2007 / 9:20 AM

IGNITABILITY Method: SW-846 1010	MDL	RL	Result	Units	Analyst: DEB Date / Time
Flashpoint		150	>150	deg F	3/29/2007 / 10:40 AM

TCLP Benzene Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: TFR Date / Time
Benzene	0.005	0.5	< 0.005	mg/L	3/30/2007 / 3:45 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	3/30/2007 / 2:45 PM
Barium	0.0005	100	0.641	mg/L	3/30/2007 / 2:45 PM
Cadmium	0.002	1	0.003	mg/L	3/30/2007 / 2:45 PM
Chromium	0.002	5	0.032	mg/L	3/30/2007 / 2:45 PM
Lead	0.005	5	0.134	mg/L	3/30/2007 / 2:45 PM
Selenium	0.024	1	< 0.024	mg/L	3/30/2007 / 2:45 PM
Silver	0.002	5	< 0.002	mg/L	3/30/2007 / 2:45 PM

EPAHO105000289

- CERTIFICATE OF RESULTS -

MES Lab#: 7030782
Client Sample ID: Soil / Oil #1
Extended ID: Oil / Tar Soil

Sample Collect Date: 3/27/2007 @ 2:00:00 PM **Sample Type:** Comp
Sample Receipt Date: 3/28/2007 @ 6:40:00 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	3/29/2007 /	9:42 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director **Date** *Monday, April 02, 2007*

EPAHO105000290

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

Kinder Morgan
P O Box 486
Galena Park, TX 77547-0486

Phone: (713) 920-8436
Fax: (713) 472-7660

Attn: **Lance Wiley**

- CERTIFICATE OF RESULTS -

MES Lab#: 7030783
Client Sample ID: Soil / Oil #2
Extended ID: Oil / Tar Soil

Sample Collect Date: 3/27/2007 @ 2:00:00 PM **Sample Type:** Comp
Sample Receipt Date: 3/28/2007 @ 6:40:00 PM

Test Group / Method

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	3/29/2007 / 3:00 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25	**6.46**	mg/kg	3/30/2007 / 12:40 PM

CORROSIVITY: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**7.58**		3/29/2007 / 9:20 AM

IGNITABILITY Method: SW-846 1010	MDL	RL	Result	Units	Analyst: DEB Date / Time
Flashpoint		150	>150	deg F	3/29/2007 / 11:00 AM

TCLP Benzene Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: TFR Date / Time
Benzene	0.005	0.5	< 0.005	mg/L	3/30/2007 / 4:22 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	3/30/2007 / 2:51 PM
Barium	0.0005	100	**0.947**	mg/L	3/30/2007 / 2:51 PM
Cadmium	0.002	1	< 0.002	mg/L	3/30/2007 / 2:51 PM
Chromium	0.002	5	< 0.002	mg/L	3/30/2007 / 2:51 PM
Lead	0.005	5	< 0.005	mg/L	3/30/2007 / 2:51 PM
Selenium	0.024	1	< 0.024	mg/L	3/30/2007 / 2:51 PM
Silver	0.002	5	< 0.002	mg/L	3/30/2007 / 2:51 PM

EPAHO105000291

- CERTIFICATE OF RESULTS -

MES Lab#: 7030783
Client Sample ID: Soil / Oil #2
Extended ID: Oil / Tar Soil

Sample Collect Date: 3/27/2007 @ 2:00:00 PM **Sample Type:** Comp
Sample Receipt Date: 3/28/2007 @ 6:40:00 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	3/29/2007 / 9:38 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Monday, April 02, 2007
Date

EPAHO105000292

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

Kinder Morgan
P O Box 486
Galena Park, TX 77547-0486

Phone: (713) 920-8436
Fax: (713) 472-7660

Attn: **Lance Wiley**

- CERTIFICATE OF RESULTS -

MES Lab#: 7030784
Client Sample ID: Soil / Oil #3
Extended ID: Oil / Tar Soil

Sample Collect Date: 3/27/2007 @ 2:00:00 PM **Sample Type:** Comp
Sample Receipt Date: 3/28/2007 @ 6:40:00 PM

Test Group / Method

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	3/29/2007 / 3:00 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25	**8.15**	**mg/kg**	3/30/2007 / 12:40 PM

CORROSIVITY: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**7.81**		3/29/2007 / 9:20 AM

IGNITABILITY Method: SW-846 1010	MDL	RL	Result	Units	Analyst: DEB Date / Time
Flashpoint		150	>150	deg F	3/29/2007 / 11:20 AM

TCLP Benzene Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: TFR Date / Time
Benzene	0.005	0.5	< 0.005	mg/L	3/30/2007 / 4:58 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	3/30/2007 / 3:03 PM
Barium	0.0005	100	**0.522**	mg/L	3/30/2007 / 3:03 PM
Cadmium	0.002	1	**0.003**	mg/L	3/30/2007 / 3:03 PM
Chromium	0.002	5	**0.004**	mg/L	3/30/2007 / 3:03 PM
Lead	0.005	5	**0.174**	mg/L	3/30/2007 / 3:03 PM
Selenium	0.024	1	< 0.024	mg/L	3/30/2007 / 3:03 PM
Silver	0.002	5	< 0.002	mg/L	3/30/2007 / 3:03 PM

EPAHO105000293

- CERTIFICATE OF RESULTS -

MES Lab#: 7030784
Client Sample ID: Soil / Oil #3
Extended ID: Oil / Tar Soil

Sample Collect Date: 3/27/2007 @ 2:00:00 PM **Sample Type:** Comp
Sample Receipt Date: 3/28/2007 @ 6:40:00 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	3/29/2007 /	9:40 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Monday, April 02, 2007

Holland D. Gilmore, Laboratory Director **Date**

EPAHO105000294

7030782 - 7030784

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

7030782

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	97.7
Toluene-d8	97.5
4-Bromofluorobenzene	102.8

7030783

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	98.1
Toluene-d8	97.0
4-Bromofluorobenzene	101.4

7030784

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	96.9
Toluene-d8	99.8
4-Bromofluorobenzene	106.4

VOLATILES	MS %REC	MSD %REC	%RSD	CCV %REC	MB mg/L	LCS %REC	LCSD %REC	%RSD
Benzene	99.4	94	1.4	90.8	< 0.005	97.8	95.6	0.6

EPAHO105000295

7030782 - 7030784
Page 2

QA/QC REPORT CONTINUED

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	8.01	8.06	0.60

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	< 0.25	< 0.25	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD	STD %REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	106

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
Rec=Percent Recovery

Signature: _____
Holland D. Gilmore / Laboratory Director

April 2, 2007

EPAHO105000296

MES - CHAIN OF CUSTODY

Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
1-800-771-4MES
(281) 476-4534
Fax (281)-476-4406

1

COMPANY NAME: (BILL TO:) Kinder Morgan
COMPANY ADDRESS: 906 Clinton Dr
CITY Galena Park STATE Tx ZIP 77547
CONTACT PERSON'S NAME: Lance Wiley
CONTACT PERSON'S PHONE: 713-920-8436 FAX #: 713-472-7660

2

YOUR PROJECT NO.: — YOUR P.O. #: — YOUR PROJECT NAME: Oil/Tar ~~dirt~~ Soil
PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	Benzene	RCI	Metals					NUMBER OF CONTAINERS	PRESERVATIONS	REMARKS
Soil / oil #1	Comp	3/27/07	2:PM	S	X	X	X					1	—	TURNAROUND TIME: Rush
Soil / oil #2	Comp	3/27/07	2:00PM	S	X	X	X					1	—	DETECTION LIMITS SPECIAL LIMITS REQUIRED Yes No Please circle one, if Yes, please describe below or include separate sheet detailing requirements.
Soil / oil #3	Comp	3/27/07	2:00PM	S	X	X	X					1	—	
					TCLP									Recve 3°C
														On Ice

4 PARAMETERS FOR ANALYSIS

5 REMARKS

6 PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): ROBERTO LUNA Roberto Luna

RELINQUISHED BY: (Signature) DATE TIME RECEIVED BY: (Signature) Allison Diamond

7 RELINQUISHED BY: (Signature) Allison Diamond DATE 3/28/07 TIME 1855 RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) DATE TIME RECEIVED BY: (Signature)

METHOD OF PAYMENT SHIPPED BY: (Signature) COURIER (Signature) RECEIVED FOR MES BY: (Signature) DATE 3/28 TIME 1840

8 Sample Remainder Disposal
☐ Return Sample Remainder To Client Via _____
☒ Request Lab To Dispose Of All Sample Remainders
(Signature) Roberto L (Date) 03/27/07

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

TBC Brianadd 2116
Prof # 2116

EPAHO10500298

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/23/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2116

Generator: TBC Brianadd
Address: 235 Fariss St.
Houston, TX 77054

Waste Information

Name of Waste: Water and oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Diesel and water from diesel spill
Color: dark **Odor:** hydrocarbon **pH:** 7
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC-Brinadd
Address: 235 Farris
City, State, Zip: Houston, TX 77054
Contact: Richard Mack Title: oper. mgr
Phone No: 713-664-4911 Fax No: 713-664-6128
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: CVG Services
Address: 10707 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title:
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: waterandoil
Detailed Description of Process Generating Waste: Diesel / Water from Diesel Spill

Physical State: ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Dark Odor: Hydrocarbon

Specific Gravity (water=1): 1 Density: 8 lbs/gal

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☒ Tote ☐ Truck ☐ Other (explain)
Container Size: ____ 900gal ____ ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 3 Other: ____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Recyclable Hydrocarbon / Water Mixture
Class: 0 UN/NA: 0 PG: 0 RQ: 0

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
200°F	7	0 mg/l	0 mg/l	0 %

Oil&Grease	TOC	Zinc	Copper	Nickel
0 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO105000300

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	85 - 95	%
Oil	5 - 15	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** _____

Printed Name/Title: Zac McKaughan (agent for TBC)

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rahhen Khanna

Additional Information: _____

Date: 3-23-07 Approved Rejected

Approval Number: 2116

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☑ YES ☐

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☑ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000302

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000303

TBC Brianadd 2117
Prof # 2117

EPAHO10500304

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/22/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2117

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: Hysal superfine
TCEQ Waste Code #: CESQ3192
Container Type: pallet
Detailed Description of Process Generating Waste:
Unused product
Color: white **Odor:** none **pH:** na
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DG

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com 2117
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC-Brinadd
Address: 5035 McHard Street
City, State, Zip: Houston, TX 77053
Contact: Rick Warmack Title: oper. mgr
Phone No: 713-641-4911 Fax No: 713-641-6128
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: CNG Services
Address: 10100 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: office mgr
Phone No: 936-483-3666 Fax No: 936-483-3074

SECTION 3: General Description of the Waste

Name of Waste: Hysal Superfine
Detailed Description of Process Generating Waste: Unused Product

Physical State: ☐ Liquid ☐ Sludge ☒ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: White Odor: Mild

Specific Gravity (water=1): 2.18 NA Density: NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Pallet
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 4 Other: ____
Texas State Waste Code No: CES@3197
Proper U.S. DOT Shipping Name: Not Regulated
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
ND	NA	0 mg/l	0 mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
0 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO105000306

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Hysol Superfin	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

NA

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: /
TCLP Volatiles: /
TCLP Semi-Volatiles: /
Reactivity: /
Corrosivity: /
Ignitability: /

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: 2/12/07

Printed Name/Title: Lee McHugh

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Thayer

Date: 3-21-07 (Approved) Rejected

Approval Number: 2117

Additional Information: _____

IS

EPAHO105000307

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If "Yes", complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000308

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000309

TBC-BRINADD

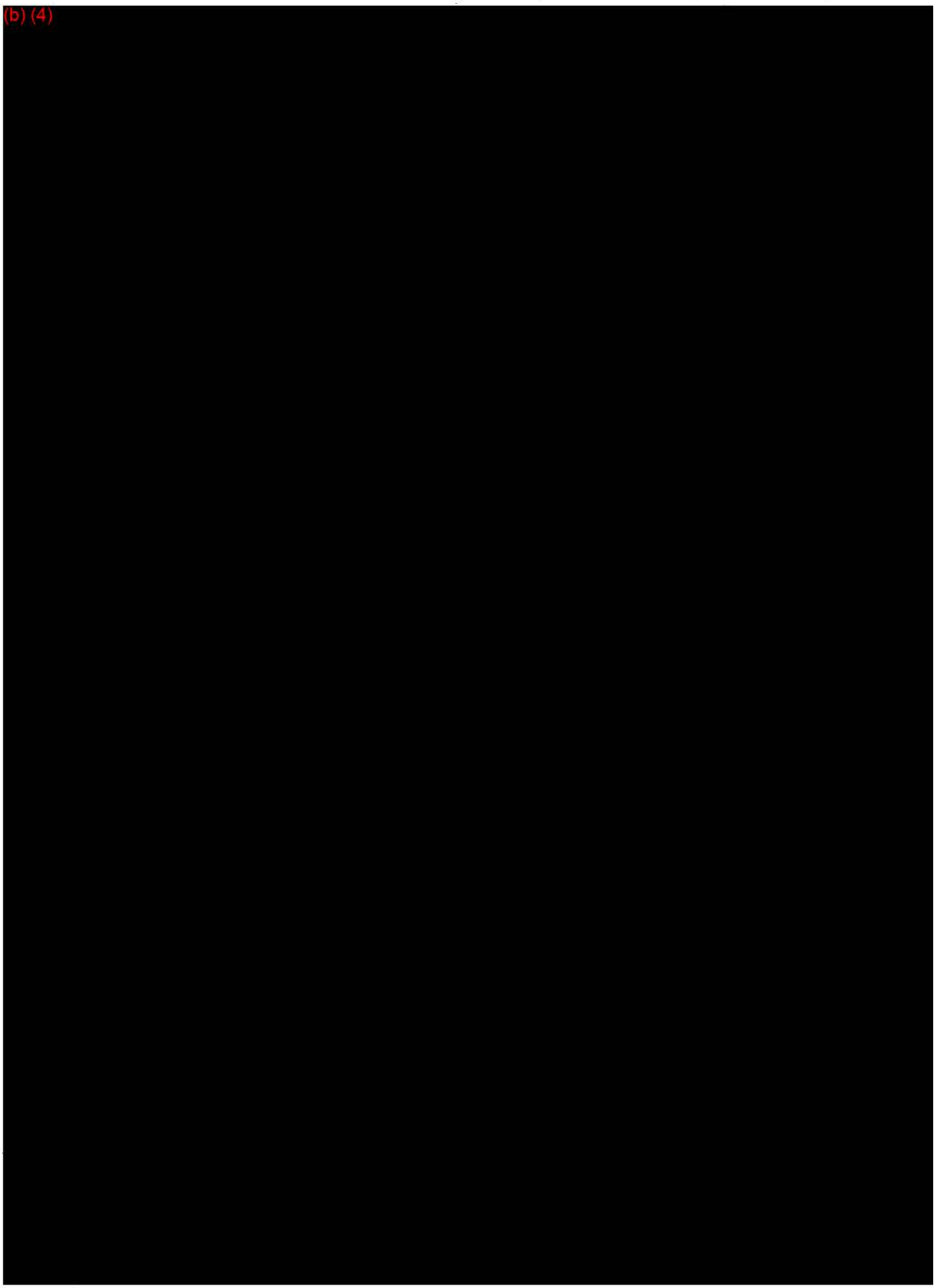
A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

(b) (4)

[redacted]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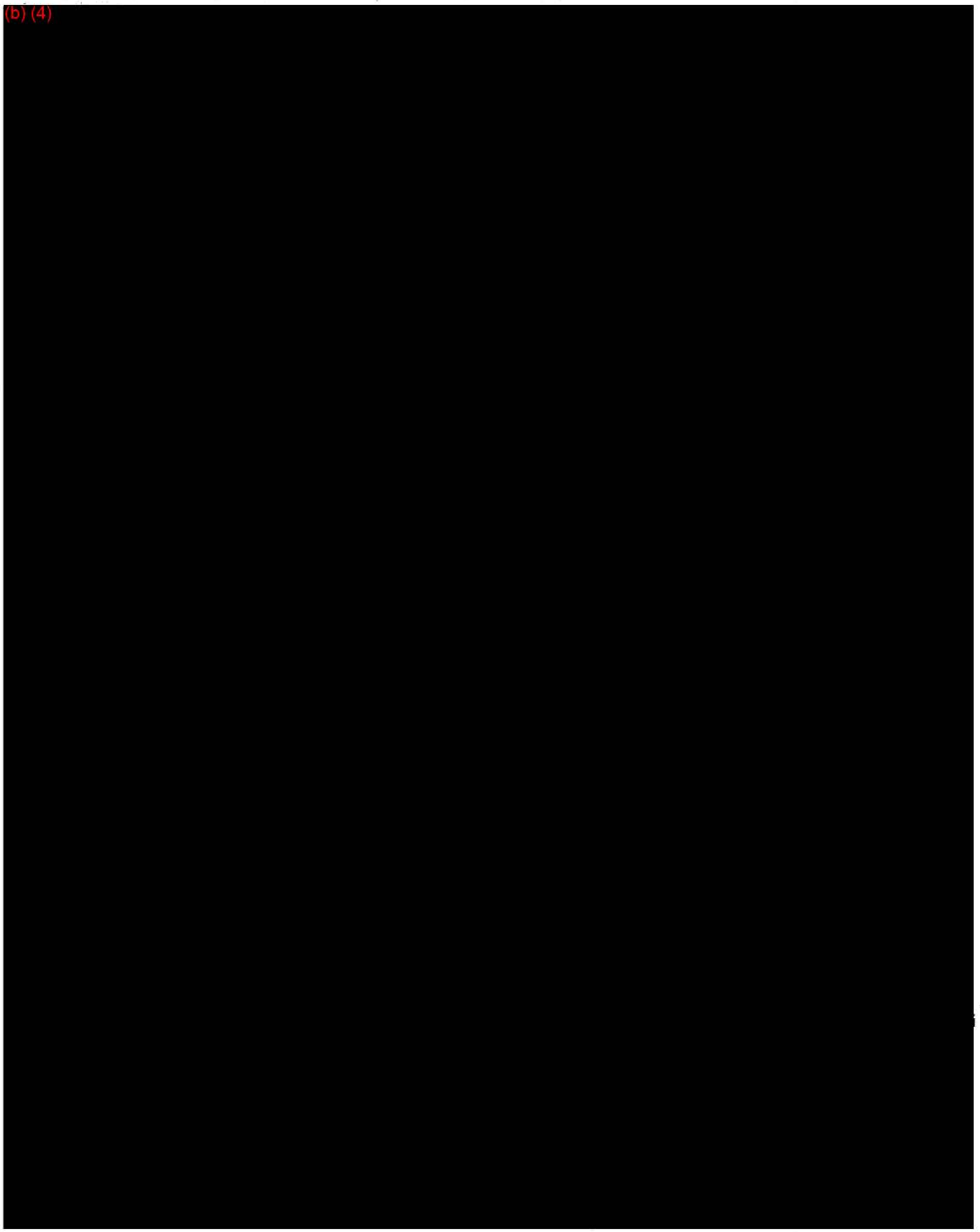
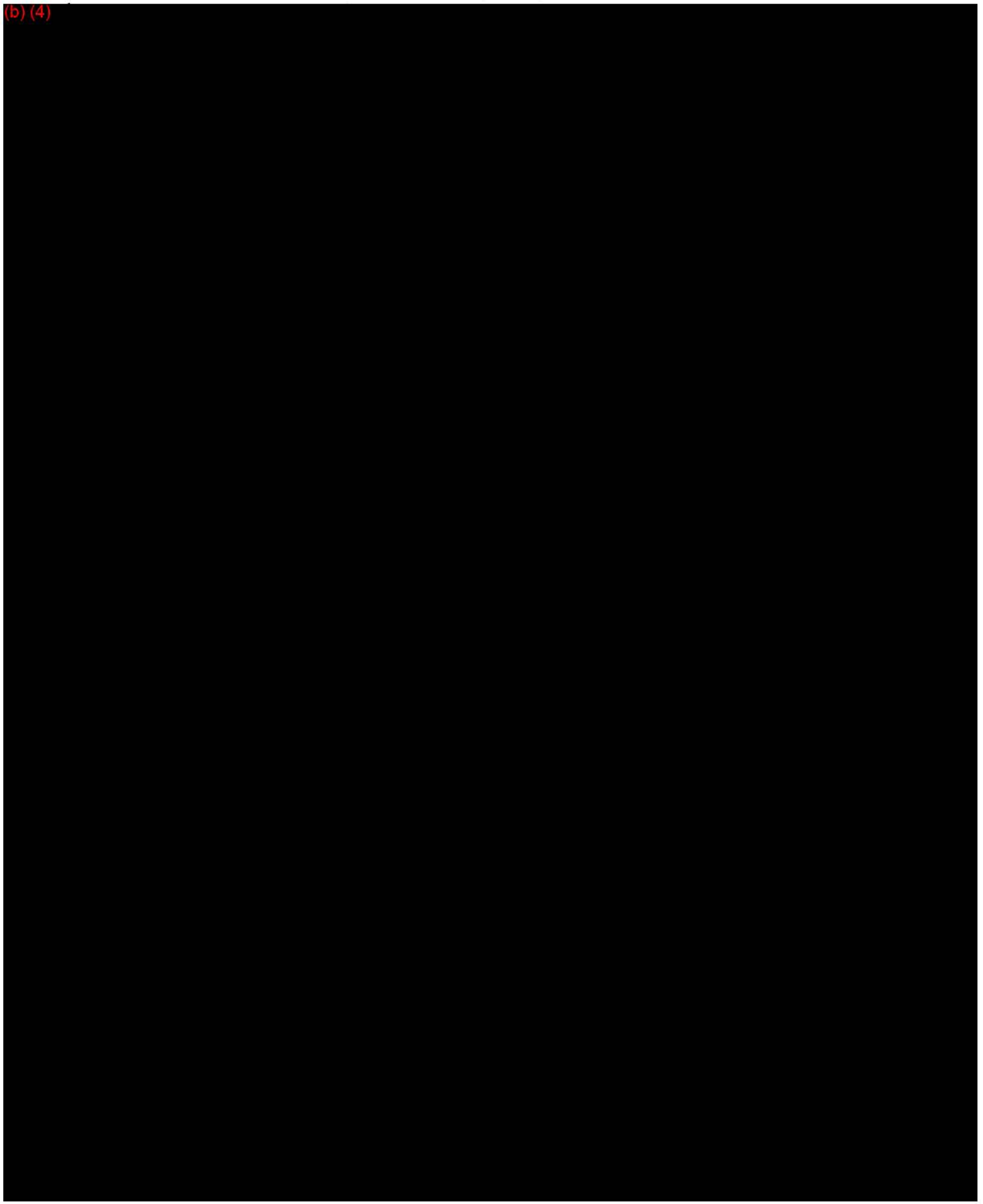
(b) (4)



(b) (4)



(b) (4)

GSF Energy, LLC 2118

Prof # 2118

EPAHO105000315

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/22/2007**

Dear **Gary Valdez**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2118

Generator: GSF Energy, LLC
Address: 9416 Ley Rd
Houston, TX 77078

Waste Information

Name of Waste: Empty drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Recyclable empty drums
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : GSF Energy, LLC
Address : 9416 Ley Rd 9416 Ley Rd
City, State, Zip : Houston TX 77078
Contact : Gary Valdez **Title :**
Phone No : (713) 633-9320 **Fax :** (713) 635-7935
24 / HR Phone :
U.S EPA I.D No : na
State I.D : na **SIC Code** na

SECTION 2: Billing Information

Company : GSF Energy, LLC
Address : 9416 Ley Rd 9416 Ley Rd
City, State, Zip : Houston TX 77078
Contact : Gary Valdez **Title :**
Phone No : (713) 633-9320 **Fax :** (713) 635-7935

SECTION 3: General Description of the Waste

Name of Waste : Empty drums

Detailed Description of Process Generating Waste:

Recyclable empty drums

Physical State : ☐ Liquid ☐ Sludge ☐ Powder ☑ Solid ☐ Filter Cake ☐ Combination

Color : varies **Odor :** none

Specific Gravity (Water=1) : na **Density :** na lbs / gal

Layers : ☑ Single-Phas ☐ Multi-Phase

Container Type : ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size :

Number Of Units : 20

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : na **UN/NA :** na **PG :** na **RQ :** na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
na	na	na mg/l	na mg/l	100 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
na mg/l	na mg/l	na mg/l	na mg/l	na mg/l

EPAHO105000317

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty metal drums	0-100	%
Empty plastic drums	0-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : x
TCLP Volatilies : x
TCLP Semi-Volatiles : x
Reactivity : x
Corrosivity : x
Ignitability : x

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : N/A **Date :** 3/22/2007

Printed Name / Title : not required /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 3/22/2007 **Status :** Approved Rejected

Approval Number : 2118

Special Pricing / Analytical Info:

REC

Recommended Treatment:

R

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ **YES** ☑ **NO**

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Matals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000319

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcatego

☐ Oils Subcatego

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000320

S-03

UNION CARBIDE CORPORATION
A Subsidiary of The Dow Chemical Company

MATERIAL SAFETY DATA SHEET

Product Name: SELEXOL(TM) SOLVENT
MSDS#: 1814

Effective Date: 07/18/2000

Union Carbide urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: 1) Notify its employees, agents, contractors and others whom it knows or believes will use this material of the information in this MSDS and any other information regarding hazards or safety; 2) Furnish this same information to each of its customers for the product; and 3) Request its customers to notify their employees, customers, and other users of the product of this information.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 IDENTIFICATION

Product Name	SELEXOL(TM) SOLVENT
Chemical Name	Mixture
Chemical Family	Polyethylene Glycol Ether
Formula	CH3O(C2H4O)nCH3
Synonym	None

1.2 COMPANY IDENTIFICATION

Union Carbide Corporation
A Subsidiary of The Dow Chemical Company
39 Old Ridgebury Road
Danbury, CT 06817-0001

1.3 EMERGENCY TELEPHONE NUMBER

24 hours a day: CHEMTREC 1-800-424-9300.
Number for non-emergency questions concerning MSDS (732) 563-5522
Additional information on this product may be obtained by calling the Union Carbide Corporation Customer Service Center at 1-800-568-4000.

Copyright© 2000, Union Carbide Chemicals & Plastics Technology Corporation.
SELEXOL is a trademark of Union Carbide.

Mar 21 07 08:19a McCarty Road GSF Energy 7136357935 p.1

2. COMPOSITION INFORMATION

Component	CAS #	Amount (%W/W)
Mixture of dimethyl ether of polyethylene glycol	24991-55-7	> 97 %

3. HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Appearance Transparent yellow

Physical State Liquid

Odor Mild

Hazards of product WARNING! HARMFUL IF SWALLOWED.
CAUSES SKIN IRRITATION.

MAY CAUSE DAMAGE TO TESTES.
MAY CAUSE DIZZINESS AND DROWSINESS.

3.2 POTENTIAL HEALTH EFFECTS

Effects of Single Acute Overexposure

Inhalation Short-term harmful health effects are not expected from vapor generated at ambient temperature.

Eye Contact May cause irritation, experienced as stinging with excess blinking and tear production.

Skin Contact Prolonged or repeated contact may cause discomfort and local redness.

Skin Absorption No evidence of harmful effects from available information.

Swallowing Slightly toxic. May cause abdominal discomfort, nausea, vomiting and diarrhea. Dizziness and drowsiness may occur. Weakness and incoordination may occur.

Chronic, Prolonged or Repeated Overexposure

Effects of Repeated Overexposure Drying and cracking of the skin may result from prolonged exposure to this material because of its defatting action. Repeated oral administration to rats causes testicular injury.

Other Effects of Overexposure None currently known.

Medical Conditions Aggravated by Exposure

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

See Section 12 for Ecological Information.

4. FIRST AID PROCEDURES

4.1 INHALATION

No emergency care anticipated.

4.2 EYE CONTACT

Immediately flush eyes with water and continue washing for several minutes. Remove contact lenses, if worn. Obtain medical attention

4.3 SKIN CONTACT

Remove contaminated clothing. Wash skin with soap and water. If contact has been prolonged, obtain medical attention. Wash clothing before reuse.

4.4 SWALLOWING

If patient is fully conscious, give two glasses of water. Induce vomiting. This should be done only by medical or experienced first-aid personnel. Obtain medical attention.

4.5 NOTES TO PHYSICIAN

There is no specific antidote. Treatment of overexposure should be directed at the control of

symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Flash Point - Closed Cup: *Pensky-Martens Closed Cup ASTM D 93* **135 °C 275 °F**

Flash Point - Open Cup: *Cleveland Open Cup ASTM D 92* **165.6 °C 330 °F**

Autoignition Temperature: *Not currently available.*

Flammable Limits In Air:

Lower	*Not determined.*
Upper	*Not determined.*

5.2 EXTINGUISHING MEDIA

Extinguish fires with water spray or apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

5.3 EXTINGUISHING MEDIA TO AVOID

No information currently available.

5.4 SPECIAL FIRE FIGHTING PROCEDURES

No information currently available.

5.5 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Use self-contained breathing apparatus and protective clothing.

5.6 UNUSUAL FIRE AND EXPLOSION HAZARDS

See Section 8.3 - Engineering Controls

5.7 HAZARDOUS COMBUSTION PRODUCTS

Burning can produce the following products: Carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled. Carbon dioxide in sufficient concentrations can act as an asphyxiant.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled:
Absorb small spills with any commercial absorbent. Clean area with soap and water. Dike large spills and place material in salvage containers. Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers.

Personal Precautions: Wear suitable protective equipment. See Section 8.2 - Personal Protection.

7. HANDLING AND STORAGE

7.1 HANDLING

General Handling
Do not swallow.
Avoid contact with skin and clothing.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

FOR INDUSTRY USE ONLY.

Ventilation
General (mechanical) room ventilation is expected to be satisfactory.

7.2 STORAGE

Store in accordance with good industrial practices. Storage information may be obtained from product-specific Union Carbide Storage and Handling Guides, or by calling a Union Carbide Customer Service Representative.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS

None established by OSHA, ACGIH or UCC.

8.2 PERSONAL PROTECTION

Respiratory Protection:	None expected to be needed.
Ventilation:	General (mechanical) room ventilation is expected to be satisfactory.
Eye Protection:	Monogoggles
Protective Gloves:	Neoprene Nitrile (NBR)
Other Protective Equipment:	Eye Bath, Safety Shower Full protective clothing

8.3 ENGINEERING CONTROLS

PROCESS HAZARD: Sudden release of hot organic chemical vapor or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under a vacuum, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Further information is available in a technical bulletin entitled "Ignition Hazards of Organic Chemical Vapor."

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Transparent yellow

pH: 9.54

Solubility in Water (by weight): 100 %

Odor: Mild

Flash Point - Closed Cup: *Pensky-Martens Closed Cup ASTM D 93* **135 °C 275 °F**

Flash Point - Open Cup: *Cleveland Open Cup ASTM D 92* **165.6 °C 330 °F**

Molecular Weight: 270 g/mol

Boiling Point (760 mmHg): 241 °C 466 °F

Freezing Point: -28 °C -18 °F

Specific Gravity (H2O = 1): 1.036

Vapor Pressure at 20°C: 0.08 kPa 0.6 mmHg

Vapor Density (air = 1): 9.3

Evaporation Rate (Butyl Acetate = 1): 0.1

Melting Point: *Not determined.*

10. STABILITY AND REACTIVITY

10.1 STABILITY/INSTABILITY Stable

Incompatible Materials: Avoid contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorates, concentrated oxygen, permanganates) which can generate heat, fires, explosions and the release of toxic fumes.

10.2 HAZARDOUS POLYMERIZATION Will Not Occur.

10.3 INHIBITORS/STABILIZERS Not applicable.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Peroral

Rat; female = 7.5 ml/kg

TBC Brianadd 2119
Prof # 2119

EPAHO10500328

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/23/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2119

Generator: TBC Brianadd
Address: 235 Fariss St.
Houston, TX 77054

Waste Information

Name of Waste: Oily rags and booms
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Oily rags and booms used to contain an oily water spill
Color: dark **Odor:** hydrocarbon **pH:** 7
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

Attn: Dan 8pgp

DD

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC-Brinadd
Address: 235 Ferris
City, State, Zip: Houston, TX 77054
Contact: Rick Wormack Title: oper mgr
Phone No: 713-664-4911 Fax No: 713-664-6128
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: CKG Services
Address: 10707 Honea Egypt
City, State, Zip: Montgomery TX 77316
Contact: Traci Fisher Title:
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Oily Rags Booms
Detailed Description of Process Generating Waste: Oily Rags & Booms used to contain an oily water spill

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: Dark Odor: hydrocarbon

Specific Gravity (water=1): NA Density: NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1-5 Other:
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Recyclable Oily Rags & Booms
Class: 0 UN/NA: 0 PG: 0 RQ: 0

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
200F	7	0 mg/l	0 mg/l	0 %

Oil&Grease	TOC	Zinc	Copper	Nickel
0 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO105000330

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Rags	90	%
Hydrocarbon Diesel fuel	10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: —
TCLP Volatiles: —
TCLP Semi-Volatiles: —
Reactivity: —
Corrosivity: —
Ignitability: —

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willfu omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** _____

Printed Name/Title: Zac McKaughan Cogent for NBC

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 3-23-07 Approved Rejected _____

Approval Number: 2119 _____

EPAHO105000331

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000332

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000333

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2119**

Customer: **CKG Services Conroe**

Waste Generator: **TBC Brianadd**

Waste Stream Name: **Oily rags and booms**

Expiration Date: **3/23/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

☒ Analysis is NOT required for recertification.

☐ The following analysis is required for recertification. Please sumbit results of the following tests.

- TCLP Metals
- TCLP Volatiles
- TCLP Semi-volatiles
- Reactivity
- Corrosivity
- Ignitability

Eric Fleck
Customer Name

Signature

CKG Services
Company / Title

4/15/09
Date

Chemical Transport 2120
Prof # 2120

EPAHO105000335

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/22/2007**

Dear **Dale Ward**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2120

Generator: Chemical Transport
Address: 1300 South 16th Street
LaPorte, TX 77572

Waste Information

Name of Waste: Sump sludge
TCEQ Waste Code #: 00061021
Container Type:
Detailed Description of Process Generating Waste:
Slludge generated from the cleaning residues from traailers, material treated with bleach reduce sulfides
Color: black/brown **Odor:** mild oil like **pH:** 4-9
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Chemical Transport		
Address:	1300 South 16th Street		
City, State, Zip:	LaPorte, TX 77572		
Contact:	Dale Ward	**Title:**	Manager
Phone No:	281-471-7233	**Fax No:**	281-471-7536
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD987983780		
State I.D.	39162	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Sump Sludge
Detailed Description of Process Generating Waste: Sludge generated from the cleaning residues from trailers, material treated with bleach to reduce sulfides

Physical State: ☐ Liquid ☒ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Black/Brown **Odor:** Mild Oil like

Specific Gravity (water=1): 1.1-1.3 **Density:** 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☐ Drum	☐ Tote	☒ Truck	☐ Other (explain)
Container Size:			2000 g	

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:**
Texas State Waste Code No: 00061021
Proper U.S. DOT Shipping Name: Non-RCRA: Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >140	**pH** 4-9	**Reactive Sulfides** <20mg/l	**Reactive Cyanides** 0mg/l	**Solids** 30-60%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO105000337

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Sand, Dirt and Rocks	45-60	%
Water	35-50	%
Oil	1-3	%
Sodium Hypochlorite	2-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analysis Environ 50673.01

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ____
TCLP Volatiles: ____
TCLP Semi-Volatiles: ____
Reactivity: ____
Corrosivity: ____
Ignitability: ____

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] **Date:** 21 MAR 07

Printed Name/Title: ROBERT A. REICHERT PRESIDENT CHEMICAL TRANSPORT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 3-22-07 Approved Rejected

Approval Number: 2120

Additional Information: 275.00 / DM Flat Fee
min 8 Drums
ISL

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO

If "Yes", complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☒ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000339

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000340

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Fax Transmittal

Total Number of Pages (Including cover sheet): 5

Date: 3-21-07

To: Dale 281-471-7536
Chemical Transport

From: Gary Brauckman
CES Environmental Services, Inc.
Mobile: (713) 417-5737

Notes: Dale:

Please review. Make changes as necessary, sign & return. Call me if you have any questions.

Thank You,

Gary

EPAHO105000341

ENVIRON EXPRESS LABORATORIES, INC.
401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

RECEIVED
JUN 27 2005
BY:

ORIGINAL

Sold To: CES Environmental Srvs., Inc.
4904 Griggs Road
Houston, TX 77021

Invoice Number: 50673

Invoice Date: Jun 21, 2005

POSTED
6-27-05

Customer PO	Payment Terms	Due Date	Sales Rep ID
	Net 30 Days	7/21/05	

Quantity	Item	Description	Unit Price	Extension
1.00	VOC TCLP	Volatile Organic Cpds.	105.00	105.00
1.00	SVOC TCLP	Semivolatile Organic Cpds.TCLP	215.00	215.00
1.00	METALS - RCRA 8	Metals (Total)	95.00	95.00
1.00	RCI	Reactivity, Corrosivity, Ignitiability	75.00	75.00
		.....		
		ENVIRON ID 50673.01		
		Requested By: Gary Brauchman		
		Proj. Chem. Transport		
		Rec'd. 6/1/05		

TOTAL 490.00

Remit to :
Environ Express Laboratories
401 N. 11th Street
La Porte, Texas 77571-3115

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO: 50673.01

Customer: **CES Env. Svcs.** | Sample ID: **Sump sludge** | Environ ID: **50673.01**
Project ID: **Chemical Transport** | Sampled: **05-31-05**
Project Loc: **La Porte, TX** | Matrix: **Sludge** | Received: **06-01-05**
Charge/P.O.: | Type: **Grab** | Reported: **06-08-05**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
RCI								
Reactive Cyanide	< 20	mg/kg	250	20	SW846.7.3.3	DB	06-02-05	15:10
Reactive Sulfide	< 20	mg/kg	500	20	SW846.7.3.4	DB	06-06-05	08:00
Corrosivity (Ph)	6.67	su	=>2; =<12.5	--	SW846.9045C	MN	06-01-05	13:40
Ignitability	> 160	°F	> 140	--	SW846.1010	DB	06-02-05	11:00
METALS (RCRA) - TCLP					SW846.1311	MN	06-01-05	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	06-02-05	11:10
Barium	0.20	mg/l	100	0.02	SW846.6010B	DB	06-02-05	11:10
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	06-02-05	11:10
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	06-02-05	11:10
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	DB	06-02-05	11:10
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	06-02-05	11:10
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	06-02-05	11:10
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	06-01-05	08:40
VOC - TCLP (Dilution Factor: 5.0)					SW846.1311	MN	06-01-05	
Benzene	< 0.03	mg/l	0.5	0.03	SW846.8260B	CR	06-07-05	14:49
2-Butanone (MEK)	< 0.13	mg/l	200.0	0.13	SW846.8260B	CR	06-07-05	14:49
Carbon tetrachloride	< 0.03	mg/l	0.5	0.03	SW846.8260B	CR	06-07-05	14:49
Chlorobenzene	0.27	mg/l	100	0.03	SW846.8260B	CR	06-07-05	14:49
Chloroform (Trichloromethane)	0.10	mg/l	6.0	0.03	SW846.8260B	CR	06-07-05	14:49
1,2-Dichloroethane (EDC)	< 0.03	mg/l	0.5	0.03	SW846.8260B	CR	06-07-05	14:49
1,1-Dichloroethene	< 0.03	mg/l	0.7	0.03	SW846.8260B	CR	06-07-05	14:49
Tetrachloroethene	< 0.03	mg/l	0.7	0.03	SW846.8260B	CR	06-07-05	14:49
Trichloroethene	< 0.03	mg/l	0.5	0.03	SW846.8260B	CR	06-07-05	14:49
Vinyl chloride	< 0.05	mg/l	0.2	0.05	SW846.8260B	CR	06-07-05	14:49
SVOC - TCLP (Conc. Factor: 50)					SW846.1311	MN	06-01-05	
1,4-Dichlorobenzene	< 0.10	mg/l	7.5	0.10	SW846.8270C	JAC	06-06-05	16:12
2,4-Dinitrotoluene	< 0.10	mg/l	0.13	0.10	SW846.8270C	JAC	06-06-05	16:12
Hexachlorobenzene	< 0.10	mg/l	0.13	0.10	SW846.8270C	JAC	06-06-05	16:12
Hexachlorobutadiene	< 0.10	mg/l	0.50	0.10	SW846.8270C	JAC	06-06-05	16:12
Hexachloroethane	< 0.10	mg/l	3.0	0.10	SW846.8270C	JAC	06-06-05	16:12
2-Methylphenol (o-Cresol)	< 0.10	mg/l	(200)	0.10	SW846.8270C	JAC	06-06-05	16:12
3&4-Methylphenol (m&p-Cr	< 0.10	mg/l	(o+m+p)	0.10	SW846.8270C	JAC	06-06-05	16:12
Nitrobenzene	< 0.10	mg/l	2.0	0.10	SW846.8270C	JAC	06-06-05	16:12
Pentachlorophenol	< 0.20	mg/l	100	0.20	SW846.8270C	JAC	06-06-05	16:12
Pyridine	< 0.10	mg/l	5.0	0.10	SW846.8270C	JAC	06-06-05	16:12
2,4,5-Trichlorophenol	< 0.10	mg/l	400	0.10	SW846.8270C	JAC	06-06-05	16:12
2,4,6-Trichlorophenol	< 0.10	mg/l	2.0	0.10	SW846.8270C	JAC	06-06-05	16:12

TCLP VOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
1,2-Dichloroethane-d4 (SS)	0.044	88	76-114
Toluene-d8 (SS)	0.049	98	80-120
4-Bromofluorobenzene (SS)	0.044	88	80-120

TCLP SVOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Nitrobenzene-d5	0.036	72	35-114
2-Fluorobiphenyl	0.038	76	43-116
Terphenyl-d14	0.044	88	33-141
Phenol-d5	0.068	68	21-100
2-Fluorophenol	0.044	44	10-100
2,4,6-Tribromophenol	0.056	56	10-123

Definitions:
TCLP - Toxcisity Charasteric Leaching Procedure
REG - Regulatory Limit (User Should Confirm Lin
MQL - Method Quanitation Limit
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight
su - Standard Units
VOC - Volatile Organic Compounds
SVOC - Semivolatile Organic Compounds
TPH - Total petroleum Hydrocarbons

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO105000343

Page 1 of 1

ENVIRON
Express Laboratories

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308

Results To: Gary Brauchman	Invoice To:
Company: CES Environmental	Company:
Address:	Address:
City: H State: TX Zip: 77021	City: State: Zip:
Phone: 713-676-1960	Phone:
Fax: 713-676-1676	Fax:
e-Mail:	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 (5)

LAB LOT #	COC Present? (Yes) No
Shipment Sealed? (Yes) No	Samples Sealed? (Yes) No
Received on Ice? (Yes) No	Samples Intact? (Yes) No
Cooler Temp. (°C): 20	Preservative Shown? (Yes) No NA
Hold Time OK? (Yes) No	Res. Cl2 Check OK? Yes No (NA)
pH Check OK? Yes No (NA)	COC & Labels Agree? (Yes) No

Remarks & Additional Analyses

Project Name: Chemical Transport
Project Location: LaPorte
Project No:
Sampler (Print): Joe Carrillo
Sampler (Sign): for Joecarrillo
Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	COMP/GRAB [2]	BTEX (8021)	TPH (TX1005)	MTBE	PAH	VOLATILES	SEMI-VOLS	RCRA METALS	TOTAL / TCLP / SPLP	[2] Cntr. Type	Number	Volume	[3] Preservative
													P	1	QT	NA
50673.01	1) Chemical Transport Sump Sludge	5-31-05 4:00 pm	SL						✓	✓	✓	Pest				
	2)															
	3)															
	4)															
	5)															
	6)															
	7)															
	8)															
	9)															
	10)															

Relinquished By: Gary	Company: CES	Date/Time: 6-1-05 1:10	Received By:	Company: 6/1/05 1:19
Relinquished By:	Company:	Date/Time:	Received By:	Company:
Relinquished By:	Company:	Date/Time:	Received By:	Company:

[1] Matrix Key
S:Soil W:Water WW:Waste Water SL:Sludge SO:Solid SE:Sediment L: Leachate WI:Wipe OR:Organic OL:Oil DS:Drum Solid DL:Drum Liquid O:Other _____

[2] Container Type Key
P:Plastic G:Glass V:VOA Glass O:Other _____

[3] Preservative Key
1:Ice(<4°C) 2:HCL 3:H2SO4 4:HNO3 5:NaOH 6:NaOH+Zn Acetate 7:Na2S2O3 8:None

EPAHO10500344

Texmark Chemicals, In2121
Prof # 2121

EPAHO105000345

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/22/2007**

Dear **Linda Salinas**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2121

Generator: Texmark Chemicals, Inc.
Address: 900 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Empty drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Empty product drums
Color: various **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

6-12

SECTION 1: Generator Information

Company:	Texmark Chemicals, Inc.		
Address:	900 Clinton Drive		
City, State, Zip:	Galena Park, TX 77547		
Contact:	Linda Salinas	**Title:**	Environmental Manager
Phone No:	713-455-1206	**Fax No:**	713-455-8959
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	NA		
State I.D.	NA	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:			
Address:	P.O. Box 67		
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Empty Drums
Detailed Description of Process Generating Waste: Empty Product Drums

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: various **Odor:** none

Specific Gravity (water=1): 1.4 **Density:** 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☒	**Drum**	☐ **Tote**	☐ **Truck**	☐	**Other (explain)**	
Container Size:		55 g					

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 35-40 **Other:**
Texas State Waste Code No: NA-Recyclable Material
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class:	NA	**UN/NA:**	NA	**PG:**	NA	**RQ:**	NA

Flash Point NA	**pH** NA	**Reactive Sulfides** NAmg/l	**Reactive Cyanides** NAmg/l	**Solids** 100%
Oil&Grease NAmg/l	**TOC** NAmg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
RCRA Empty Metal Drums	50-100	%
RCRa Empty Poly Drums	50-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: 3/20/07

Printed Name/Title: Linda Salinas/Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 3-22-07 (Approved) Rejected REC

Approval Number: 2121

EPAHO105000348

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

JR GB

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2121**

Customer: **Texmark Chemicals, Inc.**

Waste Generator: **Texmark Chemicals, Inc.**

Waste Stream Name: **Empty drums**

Expiration Date: **3/22/2009**

yes

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

- TCLP Metals
- TCLP Volatiles
- TCLP Semi-volatiles
- Reactivity
- Corrosivity
- Ignitability

✓

Linda Salinas
Customer Name

Signature

Texmark Chemicals, Inc./Environmental Manager
Company / Title

3/24/09
Date

Enterprise Products 2122
Prof # 2122

EPAHO105000352

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/22/2007**

Dear **Mike Tomerlin**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2122

Generator: Enterprise Products Operating, L.P.
Address: 10207 FM 1942, Attn: Rachel Wheaton
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Empty drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Empty drums and buckets
Color: various **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Enterprise Products
Address: 10207 FM 1942
City, State, Zip: Mont Belvieu, TX 77580
Contact: Mike Tomerlin Title: Environmental Mgr.
Phone No: 281-385-4200 Fax No:
24/hr Phone:
U.S. EPA I.D. No: NA
State I.D. NA SIC Code: NA

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Empty Drums
Detailed Description of Process Generating Waste: Empty drums & buckets

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: Varie Odor: None

Specific Gravity (water=1): NA Density: NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 5-55

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 10 Other:
Texas State Waste Code No: N/A - Recycle
Proper U.S. DOT Shipping Name: NON-RCRA / NOA-DOT Reg Material
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	N/A	N/A mg/l	N/A mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

EPAHO105000354

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty drum & buckets	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A - Per Matt Bowman **Date:** 3-21-07

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Rabhan Thapa Date: 3-22-07 (Approved) Rejected Approval Number: 2122	REC

EPAHO105000355

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000356

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000357

Enterprise Products 2123
Prof # 2123

EPAHO10500358

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/23/2007**

Dear **Mike Tomerlin**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2123

Generator: Enterprise Products Operating, L.P.
Address: 10207 FM 1942, Attn: Rachel Wheaton
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Used solvent product
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Solvent used to decontaminate process equipment and used in manufacturing of MTBE. Solvent contains spoogs.
Color: white to yellow **Odor:** slight **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Enterprise Products		
Address:	10207 FM 1942		
City, State, Zip:	Mont Belvieu, TX 77580		
Contact:	Mike Tomerlin	**Title:**	Environmental Manager
Phone No:	281-385-4455	**Fax No:**	281-385-4532
24/hr Phone:	281-385-4200		
U.S. EPA I.D. No:	TXT490013455		
State I.D.	31038	**SIC Code:**	2869

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Used Solvent Product
Detailed Description of Process Generating Waste: Solvent used to decontaminate process equipment used in manufacturing of MTBE. Sovlent contains spooge. **PRODUCT MUST BE USED AS A SOLVENT IN ANY FUTURE APPLICATIONS!!!!

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: White to Yellow **Odor:** Slight

Specific Gravity (water=1): .95 **Density:** 7.5 lbs/gal

Layers: ☒ **Single-phase** ☐ **Multi-phase**

Container Type:	☒	**Drum**	☐ **Tote**	☐ **Truck**	☐	**Other (explain)**	
Container Size:		55					

Frequency: ☐ **Weekly** ☒ **Monthly** ☐ **Quarterly** ☐ **Yearly**
Number of Units (containers): 35 **Other:**
Texas State Waste Code No: N/A-Product/Recyclable
Proper U.S. DOT Shipping Name: Flammable liquids, n.o.s. (xylene, toluene),
Class: 3 **UN/NA:** UN1993 **PG:** PG II **RQ:** N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>120	3-11	N/Amg/l	N/Amg/l	0-2%

Oil&Grease	TOC	Zinc	Copper	Nickel
N/Amg/l	N/Amg/l	N/Amg/l	N/Amg/l	N/Amg/l

EPAHO105000360

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
xylene	5-10	%
toluene	1-5	%
water	90-95	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: x
TCLP Volatiles: x
TCLP Semi-Volatiles: x
Reactivity: x
Corrosivity: x
Ignitability: x

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 3/22/07

Printed Name/Title: Mike Tomerlin/Field Environmental Lead

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: _____ Date: 3-23-07 (Approved) Rejected Approval Number: 2123	Trans-hourly Recycl. #85 Idrums *MATERIAL should be mixed with light ends and used as a solvent

EPAHO105000361

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000362

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000363

BAKA ENERGY, INC.
17314 S.H. 249, Ste. 250
Houston, TX 77064
Tel : (281) 955-8600
Fax: (281) 955-8883

Product Data Sheet

AV-1

Physical Property	ASTM test method	Typical Results
API Gravity @ 60°F		28 - 30
Flash, PMCC, °F		125 - 135
Sulfur		nil
Ash		nil
Water, PPM		100 - 200
Benzene, wt. %		0.01
KB Value		80 - 85
Freeze Pt. °F		below -60
Aromatics, wt. %		95 +
Color		Water White to Pale Yellow
Distillation, °F	D-86	
IBP		328
5%		332
10%		334
50%		342
90%		370
95%		390
EP		480

EPAHO105000364

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply on hot surface.

SPECIAL FIREFIGHTING PROCEDURES: Water spray maybe ineffective. Water may be used to cool closed containers to prevent pressure build-up & possible auto-ignition when exposed to extreme heat. If water is used fog nozzles are preferable.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Inhalation: Anesthetic. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconscious coma.
Skin or eye contact: Primary irritation.

PRIMARY ROUTE(S) OF ENTRY:	X DERMAL	X INHALATION

EMERGENCY AND FIRST AID PROCEDURES
Eyes: Flush with water for 15 minutes. Call physician
Skin: Wash with soap and water, remove contaminated clothes
Inhalation: Remove from exposure, restore breathing call physician.

SECTION VI - REACTIVITY DATA

Product stability	X STABLE	UNSTABLE

CONDITIONS TO AVOID May produce hazardous fumes when heated to decomposition

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED
Remove all sources of ignition. Avoid breathing vapors. Ventilate area. Add absorbant and scoop into disposal containers. Wash or steam clean area.

WASTE DISPOSAL METHOD Dispose in accordance with local, state, and federal regulations. Do not incinerate closed containers.

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION
Provide general dilution or local exhaust ventilation in volume & pattern to keep TLV of most hazardous ingredient in Section II below acceptable limit..

PROTECTIVE GLOVES: Required for repeated or prolonged contact

RESPIRATORY PROTECTION: NIOSH approved respirator if mist core is high
EYE PROTECTION: Chemical safety glasses/face mask

OTHER PROTECTIVE EQUIPMENT: NONE

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORING:
Do not store above 120F. Store large quantities in buildings designed and protected for storage of NFPA Class II flammable or combustible liquid.

OTHER PRECAUTIONS: Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Do not flame cut, braze or weld.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply on hot surface.

SPECIAL FIREFIGHTING PROCEDURES: Water spray maybe ineffective. Water may be used to cool closed containers to prevent pressure build-up & possible auto-ignition when exposed to extreme heat. If water is used fog nozzles are preferable.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Inhalation: Anesthetic. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconscious coma.
Skin or eye contact: Primary irritation.

PRIMARY ROUTE(S) OF ENTRY:	X DERMAL	X INHALATION

EMERGENCY AND FIRST AID PROCEDURES
Eyes: Flush with water for 15 minutes. Call physician
Skin: Wash with soap and water, remove contaminated clothes
Inhalation: Remove from exposure, restore breathing call physician.

SECTION VI - REACTIVITY DATA

Product Stability	X STABLE	UNSTABLE

CONDITIONS TO AVOID May produce hazardous fumes when heated to decomposition

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED
Remove all sources of ignition. Avoid breathing vapors. Ventilate area. Add absorbant and scoop into disposal containers. Wash or steam clean area.

WASTE DISPOSAL METHOD Dispose in accordance with local, state, and federal regulations. Do not incinerate closed containers.

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION
Provide general dilution or local exhaust ventilation in volume & pattern to keep TLV of most hazardous ingredient in Section II below acceptable limit.

PROTECTIVE GLOVES: Required for repeated or prolonged contact

RESPIRATORY PROTECTION: NIOSH approved respirator if mist core is high
EYE PROTECTION: Chemical safety glasses/face mask

OTHER PROTECTIVE EQUIPMENT: NONE

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORING:
Do not store above 120F. Store large quantities in buildings designed and protected for storage of NFPA Class II flammable or combustible liquid.

OTHER PRECAUTIONS: Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Do not flame cut, braze or weld.

SI Warehousing 2124
Prof# 2124

EPAHO105000367

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/23/2007**

Dear **Mike Nassive**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2124

Generator: SI Warehousing
Address: 16643 Jacintoport Blvd
Houston, TX 77015

Waste Information

Name of Waste: Empty drums / totes
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Empty drums / totes from operations
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: SF WAREHOUSING
Address: 16643 JACINTOPORT BLVD
City, State, Zip: HOUSTON, TX 77015
Contact: MIKE NASSIVE Title: WAREHOUSE MGR.
Phone No: 281-452-9000 Fax No:
24/hr Phone:
U.S. EPA I.D. No: N/A
State I.D. N/A SIC Code:

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: EMPTY DRUMS / TOTES
Detailed Description of Process Generating Waste: EMPTY DRUMS / TOTES FROM OPERATIONS

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: VARIES Odor: NONE

Specific Gravity (water=1): N/A Density: N/A lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☒ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 250 - 400

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 100 Other:
Texas State Waste Code No: N/A - RECYCLEE
Proper U.S. DOT Shipping Name: NON DOT REGULATED EMPTY DRUMS
Class: UN/NA: PG: RQ:

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	N/A	N/A mg/l	N/A mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

EPAHO105000369

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty Drum (poly + metal)	100	%
empty totes	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: MIKE NASSIVE Date: 3/22/07

Printed Name/Title: [signature]

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: [signature] Date: 3-23-07 (Approved) Rejected Approval Number: 2124	

EPAHO105000370

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000371

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000372

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2124**

Customer: **SI Warehousing**

Waste Generator: **SI Warehousing**

Waste Stream Name: **Empty drums / totes**

Expiration Date: **3/23/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☑ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

SI Warehousing
Customer Name

Mike Vassiles
Signature

Operation Supervisor
Company / Title

7-16-09
Date

☑ Analysis is NOT required for recertification.

☐ The following analysis is required for recertification. Please sumbit results of the following tests.

- TCLP Metals
- TCLP Volatiles
- TCLP Semi-volatiles
- Reactivity
- Corrosivity
- Ignitability

EPAHO105000373

TBC Brianadd 2125
Prof # 2125

EPAHO105000374

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/26/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2125

Generator: TBC Brianadd
Address: 235 Fariss St.
Houston, TX 77054

Waste Information

Name of Waste: Defoam green
TCEQ Waste Code #: CESQ1191
Container Type:
Detailed Description of Process Generating Waste:
Unused / out of date material
Color: green **Odor:** mild **pH:** na
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC Brinadd
Address: 235 Farris
City, State, Zip: Houston, TX 77054
Contact: Rick Loarmack Title: oper mgr
Phone No: 713 676-4911 Fax No: 713-676-6128
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CWB Services
Address: 10707 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: Office mgr
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Defoam Green
Detailed Description of Process Generating Waste: unused/out of date material

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color Green Odor: Mild

Specific Gravity (water=1): 1 Density: 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 3 Other:
Texas State Waste Code No: CESQ1191
Proper U.S. DOT Shipping Name: Combustible liquids, NOS
Class: 3 UN/NA: 1993 PG: III RQ: 7

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	NA	mg/l	mg/l	%
Oil&Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
mg/l	mg/l	mg/l	mg/l	mg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
2(2-Butoxyenthoxy)ethanol	70	%
Sorbitan Monooleate	1-30	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] **Date:** 3/26/07

Printed Name/Title: Zac McKaughan (agent to TBC)

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 3-26-07 Approved Rejected

Approval Number: 2125

Additional Information: IL

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000378

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000379

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL COMPANY, LLC

Defoam Green

Profile

EEC Classification: Not Classified
Hazard Symbol: Xi
Risk Phrases: R36, R 37, R38
Safety Phrases: S23-28
Not classified as dangerous for transportation
Marine Pollutant: Not Classified As A Marine Pollutant
HMIS Code: Health: 1 Fire: 2 Reactivity: 0

Composition/Information On Ingredients

COMMON NAME	%
2 (2-Butoxyethoxy) ethanol	~70
Sorbitan Monooleate	~1-30

Hazards Indentification

Physical/Chemical: No specific hazard under normal conditions of use, but can form peroxides on prolonged storage if air is present.
Fire/Explosion: Is combustible and will burn if involved in a fire. Vapor Clouds or mists of products would be explosive.
Hazardous Reactions: If involved in a fire, Carbon Dioxide and Carbon Monoxide.

Health Hazard Data

Routes of Entry: Eye, Inhalation, Skin, Ingestion.

Fire Fighting Measures

Extinguishing Media: Carbon dioxide, dry powder, water spray or polar resistant foam.

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
(713) 877-2769

MATERIAL SAFETY DATA SHEET

Product: Defoam Green **Revision: 5**
Product Code: **Issue Date: 03/10/2005**

U.S. DEPARTMENT OF LABOR, Occupational Safety and Health Administration Form Approved OMB No. 1218-0072, may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

SECTION I - PRODUCT IDENTITY

(As used on label and list)

DEFOAM GREEN

CAS # 112-34-5
CAS # 1338-43-8

EMERGENCY TELEPHONE NUMBER: **(713) 664-4911**
INFORMATION TELEPHONE NUMBER: **(713) 877-2769**

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	OSHA PEL-TWA	ACGIH TLV-TWA	Symbol / R Phrases	%
2 (2-Butoxyethoxy) ethanol	Not established	Not established	Xi / R36	~70
Sorbitan monooleate	Not established	Not established	Not hazardous/(91/155/EEC)	~1-30

SECTION III - HAZARDS IDENTIFICATION - MOST IMPORTANT HAZARDS

Adverse Human Health Effects:
May cause irritation to the skin and eyes. Ingestion may cause irritation to the GI tract. Inhalation may cause irritation to the respiratory system and CNS depression. Chronic exposure may damage kidneys and central nervous system. May cause cyanosis, acidosis, and quick shallow breathing.

Environmental:
Presents no particular risk to the environment provided disposal requirements are followed.

Physical / Chemical:
No specific hazard under normal conditions of use, but can form peroxides on prolonged storage if air is present (see Section XII).

Fire / Explosion:
Is combustible and will burn if involved in a fire. Vapor clouds or mists of product would be explosive.

SECTION IV - FIRST AID MEASURES

Inhalation:
Remove patient from exposure to fresh air, give oxygen or artificial respiration, if needed. Keep warm and rest. Obtain immediate medical attention if ill effects occur.

Skin Contact:
Remove contaminated clothing. Wash skin with soap and water. If symptoms (irritation, or blistering) occur, obtain medical attention.

Eye Contact:
Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15-20 minutes. Obtain immediate medical attention.

Ingestion:
Do not induce vomiting. Wash out mouth with water and give 200-300 ml (1/2 pint) of water to drink. Obtain immediate medical attention.

Further Medical Attention:
Symptomatic treatment. Any supportive therapy as indicated. Administration of Sodium Bicarbonate may be of value to treat acidosis. Monitor kidney and liver function and arterial blood gases closely.

SECTION V - FIRE FIGHTING MEASURES

Extinguishing Media:
Carbon dioxide, dry powder, water spray or polar resistant foam.

Fire Fighting Protective Equipment:
Self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Do not allow to enter drains, sewers, or water ways. Contain spillages with sand, earth or any suitable absorbent material. Transfer to container for disposable. Wash the spillage area with water.

Spills on Streets:
Avoid contamination of waterways (in the case of inland waters) and inform the appropriate authority in the event of accidental spillage.

SECTION VII- HANDLING AND STORAGE

(A) Handling:
Avoid contact with skin or eyes. Provide adequate ventilation, including appropriate local extraction, to ensure that the define occupational exposure limit is not exceeded.

(B) Storage:

Suitable Containers:
Mild steel or stainless steel, polythene.

EPAHO105000382

Unsuitable Containers:
Copper, aluminum, zinc, copper alloy, zinc alloy, and aluminum alloy.

Storage Temperature:
Ambient.

SECTION VIII- EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective clothing, gloves and eye/face protection.

Occupational Exposure Limits:
No occupational exposure limits assigned.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Chemical State:	Liquid
Color:	Green
Odor:	Mild
pH:	No data
Boiling Point:	Greater than 110 degrees Celsius (230 F)
Flash Point:	61 degrees Celsius (142 F) PMCC
Auto Ignition Temperature:	No data
Explosive Properties:	No data
Oxidizing Properties:	No data
Vapor Pressure (Pascal's):	Less than 120 at 25 degrees Celsius.
Solubility (water):	Soluble in all proportions.
Freezing Point:	Less than -10 degrees Celsius.
Specific Gravity:	1
Vapor Density (Air = 1)	Not Determined
Viscosity: (mpals):	Not Determined.

SECTION X – STABILITY AND REACTIVITY

Stability:
Stable

Hazardous Reactions:
If involved in a fire, Carbon dioxide and Carbon monoxide.

Forms peroxides on prolonged if air is present. This should not be a problem unless the product is distilled.

Hazardous Decomposition Products:
None known.

Hazardous Polymerization:
Will Not Occur

SECTION XI – TOXICOLOGICAL INFORMATION

Defoam Green

Inhalation:
Can cause irritation at high concentration. High concentration of the mist might be slightly irritating to the upper respiratory tract.

Skin Contact:
Mild irritant following a single application to rabbit skin.

Eye Contact:
Might cause eye irritation.

Ingestion:
Low oral toxicity but ingestion may cause irritation.

Long Term Exposure:
An inhalation studies in animals has shown that repeated exposures produce no significant effects.

Short term tests have shown that it is unlikely to be a carcinogenic risk to humans.
LD_{50} (ORAL RAT) = 6.6g/Kg.

SECTION XII – ECOLOGICAL INFORMATION

Environmental Fate and Distribution:
Liquid with low volatility.
The product is soluble in water.
The product has low potential for bioaccumulation.

Persistence and Degradation:

Biodegradation: Each component has been tested according to OECD 306 seawater Biodegradation.

Sorbitan Monooleate	78% biodegradable
Butyl Diethoxal	65.10% biodegradable

Bioaccumulation: Tested to OECD 117

	Log Pow
Sorbitan Monooleate	>6
Butyl Diethoxal	1.7

Aquatic Toxicity:

Skeletonema Costatum	EC50 after 72 hours = 180mg/L^{-1}
Acartia Tonsa	LC50 after 48 hours = 140 mg/L^{-1}
Corophium Volutator	LC50 after 10 days = 14223.62 mg/kg^{-1}

SECTION XIII– DISPOSAL CONSIDERATIONS

Can be incinerated or, if on absorbent, can be sent to a landfill. Treat as ordinary waste. Disposal should be in accordance with local, state, or national legislation.

EPAHO105000384

Defoam Green

SECTION XIV– TRANSPORT INFORMATION

Not classified as dangerous for transport.

Marine pollutant : Not classified as a Marine Pollutant.

Schedule B Number: 2909.44.0000

SECTION XV–REGULATORY INFORMATION

EEC Classification:			Not Classified			
Hazard Symbol:			Xi			
Risk Phrases:			R36, R37, R38			
Safety Phrases:			S23-28			
HMIS Code:	Health:	1	Fire:	2	Reactivity:	0

SECTION XVI–OTHER INFORMATION

This data sheet was prepared in accordance the Directive 9/155/EEC.

Use: Oilfield Defoam

LEGEND INFORMATION

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
TLV - Threshold Limit Value
PEL - Permissible Exposure Limit
TWA - Time Weighted Average
STEL - Short Term Exposure Limit
NTP - National Toxicology Program
IARC - International Agency for Research on Cancer
N/A - Not Applicable

SECTION XVII - REVISIONS

March 10, 2005 Rev 5	1.) Update Section III & Section IV. 2.) Supercedes March 9, 2004 Rev 4
March 9, 2004 Rev 4	1.) Added Stability and Hazard Polymerization
January 30, 2004 Rev 3	2a.) Supercedes August 29, 2000 Rev 2 b.) Update of Flashpoint. c.) Review of all information.
August 29, 2000 Rev 2	3.) Addition of Schedule B Number
July 17, 2000	4.) Creation of MSDS.

DISCLAIMER: The information herein is given in good faith but not warranty, expressed or implied, is made.

EPAHO105000385

Vertex Recovery, LP 2126

EPAHO10500386

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/26/2007**

Dear **Brandi Bradley**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2126

Generator: Vertex Recovery, LP
Address: 200 Atlantic Pipeline Road
Baytown, TX 77520

Waste Information

Name of Waste: Oily water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Oily water from daily operations. Oil from machinery and equipment.
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: VERTEX RECOVERY
Address: 200 ATLANTIC PIPELINE Rd.
City, State, Zip: Baytown, TX 77520
Contact: Baily Kirk Title:
Phone No: 877-342-4790 Fax No:
24/hr Phone:
U.S. EPA I.D. No: N/A
State I.D. N/A SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: VERTEX RECOVERY
Address: 2323 Clear Lake City Blvd # 180-184
City, State, Zip: Houston, TX 77062
Contact: Brandi Bradley Title:
Phone No: 281-538-9802 Fax No:

SECTION 3: General Description of the Waste

Name of Waste: oily water
Detailed Description of Process Generating Waste: oily water from daily operations. oil from machinery and equipment.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Dark Odor: Hydrocarbon

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 5000 ____

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 2 Other: ____
Texas State Waste Code No: NA - Recycle
Proper U.S. DOT Shipping Name: Non Dot regulated oil + water Mixture
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	3-11	N/A mg/l	N/A mg/l	0-1 %

Oil&Grease	TOC	Zinc	Copper	Nickel
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

EPAHO105000388

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
water	95 - 99	%
oil	1 - 5	%
dirt/sand	0 - 0.5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on [X] generator knowledge and/or [ ] analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: NA - Pe. Matt Bowman **Date:** 3/26/07

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Barbara Boyer Date: 3-26-07 (Approved) Rejected Approval Number: 2126	Charge #0.09/gal (TOC > 5,000 + solid > 2%)

EPAHO105000389

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000390

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000391

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2126**

Customer: **Vertex Recovery, LP**

Waste Generator: **Vertex Recovery - Baytown**

Waste Stream Name: **Oily water**

Expiration Date: **3/26/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

(X) No changes, please recertify.

( ) Please send new profile as waste stream has changed.

George Crow
Customer Name

Signature

VP
Company / Title

3/24/09
Date

(X) Analysis is NOT required for recertification.

( ) The following analysis is required for recertification. Please sumbit results of the following tests.

- TCLP Metals
- TCLP Volatiles
- TCLP Semi-volatiles
- Reactivity
- Corrosivity
- Ignitability

✓

South Coast Terminals 2127
Prof # 2127

EPAHO10500393

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/27/2007**

Dear **Darryl Poe**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2127

Generator: South Coast Terminals (La Porte)
Address: 10900 Strang Rd.
La Porte, TX 77571

Waste Information

Name of Waste: Empty drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Empty drums from various operations
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: South Coast Terminals
Address: 10900 Strang Rd.
City, State, Zip: LaPorte, TX 77571
Contact: Dan Phan Title: Foreman
Phone No: 281-842-1286 Fax No:
24/hr Phone:
U.S. EPA I.D. No: ~~TXD 981611486~~ NA
State I.D. ~~37710~~ NA SIC Code: NA NA

SECTION 2: Billing Information – ☐ Same as Above

Company: South Coast Terminals
Address: 7401 Wallisville
City, State, Zip: Houston, TX 77020
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Empty Drum
Detailed Description of Process Generating Waste: Empty drums from various operations

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: Various Odor: none

Specific Gravity (water=1): NA Density: NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 50 Other:
Texas State Waste Code No: NA - Recycle
Proper U.S. DOT Shipping Name: Empty drum
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	NA	NA mg/l	NA mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

EPAHO105000395

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty Drum	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on [X] generator knowledge and/or [ ] analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A - per Matt Bowman **Date:** 3-26-07

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Robert Thangue Date: 3-27-07 Approved Rejected Approval Number: 2127	REC

EPAHO105000396

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000397

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2127**

Customer: **South Coast Terminals (Wallisville)** ✓

Waste Generator: **South Coast Terminals (La Porte)**

Waste Stream Name: **Empty drums**

Expiration Date: **3/27/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

South Coast Terminals
Customer Name

Rebecca Adams
Signature

HSE Manager
Company / Title

3/30/09
Date

☒ Analysis is NOT required for recertification.

☐ The following analysis is required for recertification. Please sumbit results of the following tests.

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

South Coast Terminals 2128
Prof # 2128

EPAHO105000399

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/27/2007**

Dear **Darryl Poe**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2128

Generator: South Coast Terminals (La Porte)
Address: 10900 Strang Rd.
La Porte, TX 77571

Waste Information

Name of Waste: RCRA empty containers
TCEQ Waste Code #: 99023191
Container Type: CY box
Detailed Description of Process Generating Waste:
RCRA empty container last containing TDI
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: South Coast Terminals
Address: 10900 Strang Road
City, State, Zip: LaPorte, TX 77571
Contact: Dan Pham Title: Plant Manager
Phone No: 281-842-1286 Fax No:
24/hr Phone:
U.S. EPA I.D. No: ~~TXD981611486~~ NA
State I.D. ~~37710~~ NA SIC Code: N/A

SECTION 2: Billing Information – ☐ Same as Above

Company: South Coast Terminals
Address: 7401 Wallisville Rd
City, State, Zip: Houston, TX 77020
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: RCRA Empty Containers
Detailed Description of Process Generating Waste: RCRA empty containers last containing TDI

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: Varied Odor: None

Specific Gravity (water=1): N/A Density: N/A lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) CY Box
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1 Other: ____
Texas State Waste Code No: 99023191
Proper U.S. DOT Shipping Name: Non-hazardous waste solid.
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
72+	N/A	N/A mg/l	N/A mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

EPAHO105000401

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
RCRA EMPTY containers	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
STANDARD PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 3/26/07

Printed Name/Title: DAN Upham, Foreman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Barbara Thompson Date: 3-27-07 (Approved) Rejected Approval Number: 2128	RTC 15

EPAHO105000402

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000403

Dan Pham

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2128**

Customer: **South Coast Terminals (Wallisville)**

Waste Generator: **South Coast Terminals (La Porte)**

Waste Stream Name: **RCRA empty containers** ✓

Expiration Date: **3/27/2009**

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☒ No changes, please recertify.

☐ Please send new profile as waste stream has changed.

South Coast Terminals
Customer Name

Belinda Adame
Signature

HSE Manager
Company / Title

3/30/09
Date

☒ Analysis is NOT required for recertification.

☐ The following analysis is required for recertification. Please sumbit results of the following tests.

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

Lubrizol – Bayport 2129
Prof # 2129

EPAHO105000405

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/28/2007**

Dear **Jan McClain**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2129

Generator: Lubrizol - Bayport
Address: 12801 Bay Area Blvd. (Attn: Frank Hejtmanek)
Pasadena, TX 77507

Waste Information

Name of Waste: Product - Tank B167 lube oil additives
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Various lube oil product blend residuals blended together into storage tank from line flushing operations
Color: tan **Odor:** oil **pH:** 4-11
Physical State:
Incompatibilities: MSDS
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	The Lubrizol Corporation		
Address:	12801 Bay Area Boulevard		
City, State, Zip:	Pasadena, TX 77507		
Contact:	Jan McClain	**Title:**	EH&S Coordinator
Phone No:	(832) 260-7601	**Fax No:**	(832) 260-7701
24/hr Phone:	Same		
U.S. EPA I.D. No:	TXD000642348		
State I.D.	30325	**SIC Code:**	N/A

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: PRODUCT - Tank B167 Lube Oil Additives
Detailed Description of Process Generating Waste: Various lube oil product blend residuals blended together into storage tank from line flushing operations

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: Tan **Odor:** Oil

Specific Gravity (water=1): 1.0 **Density:** 7.5 lbs/gal

Layers: ☐ **Single-phase** ☒ **Multi-phase**

Container Type:	☐	**Drum**	☐	**Tote**	☒	**Truck**	☐ **Other (explain)**
Container Size:						5,000 gal	

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** One-Time
Texas State Waste Code No: N/A - Product
Proper U.S. DOT Shipping Name: Non-DOT Regulated Material
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point >140	**pH** 4-11	**Reactive Sulfides** <50mg/l	**Reactive Cyanides** <50mg/l	**Solids** <1%
Oil&Grease 1000000mg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO105000407

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Lube Oil Additive Products	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
See MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
See MSDS

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: N/A - Product
TCLP Volatiles: N/A - Product
TCLP Semi-Volatiles: N/A - Product
Reactivity: N/A - Product
Corrosivity: N/A - Product
Ignitability: N/A - Product

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A **Date:** 3/28/2007

Printed Name/Title: No Signature Required - PRODUCT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information:

Date: 3-28-07 Approved Rejected REC

Approval Number: 2129

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000409

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000410

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713 676-1676

Fax Transmittal

Total Number of Pages (Including cover sheet): 5

Date: 3/25/2007

To: Jim McClain (832) 260-7604

From: **Sean Easton**
CES Environmental Services, Inc.
Mobile Phone: (713) 416-4160

Notes: For Your Records We Should Have Approval w/in 2 DAYS.
Thanks,
Sean

2130 Turneco Oil Services
Ref # 2130

EPAHO10500412

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/29/2007**

Dear **Gerald Fisher**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2130

Generator: Turneco Oil Services
Address: 8214 Coastway
Houston, TX 77075

Waste Information

Name of Waste: Recyclable oil / filters
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Recyclable oil / filters
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TURNECO Oil & Recycling Service
Address: 8214 COASTWAY
City, State, Zip: HOU. TX. 77075
Contact: GERALD S. FISHER Title:
Phone No: (713) 598 6257 Fax No: (713) 991 6414
24/hr Phone:
U.S. EPA I.D. No:
State I.D. N/A SIC Code: N/A

SECTION 2: Billing Information – ☐ Same as Above

Company: TURNECO Oil & Recycling
Address: 8214 COASTWAY
City, State, Zip: HOU. TX. 77075
Contact: GERALD S. FISHER Title:
Phone No: (713) 598 6257 Fax No: (713) 991 6414

SECTION 3: General Description of the Waste

Name of Waste: RECYCLABLE OIL FILTERS
Detailed Description of Process Generating Waste: ____

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: VARIES Odor: NONE

Specific Gravity (water=1): ~~1~~ NA Density: ~~NA~~ lbs/gal

Layers: ☐ Single-phase ☑ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: ____ ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 2 Other: ____
Texas State Waste Code No: RECYCLE
Proper U.S. DOT Shipping Name: RECYCLABLE OIL FILTERS
Class: ____ UN/NA: ____ PG: ____ RQ: ____

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	NA	0 mg/l	0 mg/l	90 %

Oil&Grease	TOC	Zinc	Copper	Nickel
71000 mg/l	NA mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO105000414

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oil filters	90-99	
Oil	1-10	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

___ STANDARD PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

___ NONE

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

___ NONE

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] **Date:** 03-14-07

Printed Name/Title: GERALD S. FISHER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 3-29-07 Approved Rejected

Approval Number: 2130

Additional Information: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000416

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000417

2131 Telsa Power & Automation

Prof # 2131

EPAHO10500418

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/28/2007**

Dear **Frank Baker**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2131

Generator: Telsa Power & Automation
Address: 6510 Bourgeois Road
Houston, TX 77066

Waste Information

Name of Waste: Used oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Used motor oil and hydraulic oil derived from equipment fluid changes
Color: black/amber **Odor:** oil like **pH:** NA
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

GB

SECTION 1: Generator Information

Company:	Tesla Power & Automation		
Address:	6510 Bourgeois Road		
City, State, Zip:	Houston, TX 77066		
Contact:	Frank Baker	**Title:**	Manager
Phone No:	281-569-0573	**Fax No:**	281-444-1290
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Used Oil
Detailed Description of Process Generating Waste: Used Motor Oil and hydraulic oil derived from equipment fluid changes

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Black/amber **Odor:** oil like

Specific Gravity (water=1): .85 **Density:** 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☒	**Drum**	☐ **Tote**	☐ **Truck**	☐	**Other (explain)**	
Container Size:		55 g					

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1 **Other:**
Texas State Waste Code No: NA-Recyclable Material
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >140	**pH** NA	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** <3%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

SECTION 4; Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Unit or %
Motor Oil	50-100	%
Hydraulic Oil	50-100	%
Water	0-60	%
Rust Scale, dirt etc.	0-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Chlor-D-Tect Upon Arrival

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Frank E Baker **Date:** 3-26-2007

Printed Name/Title: Safety/QA Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Thyden Additional Information:

Date: 3-28-07 (Approved) Rejected RFC

Approval Number: 2131

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Arrow Recycling 2132
Prof # 2132

EPAHO105000424

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/30/2007**

Dear **Carolyn**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2132

Generator: Arrow Recycling
Address: 7311 Decker Dr.
Baytown, TX

Waste Information

Name of Waste: Fix a flat
TCEQ Waste Code #: CESQ2191
Container Type:
Detailed Description of Process Generating Waste:
Unused / out of date material
Color: green **Odor:** slight **pH:** 8-10
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

Attn: Dan
4pgs

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

FAXED 3-15-07

SECTION 1: Generator Information

Company: A.R.R.O.W.
Address: 1311 Decker Dr.
City, State, Zip: Baytown, TX
Contact: Carolyn Title:
Phone No: 281-838-3037 Fax No:
24/hr Phone:
U.S. EPA I.D. No: ~~N/A~~ TX CESQG
State I.D. ~~N/A~~ CESQG SIC Code: N/A

SECTION 2: Billing Information – ☐ Same as Above

Company: CMG Services
Address: 16210 Hoea Egypt Rd
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: office mgr.
Phone No: 936-483-3602 Fax No: 936 483-3607

SECTION 3: General Description of the Waste

Name of Waste: Fixafat
Detailed Description of Process Generating Waste: Unused / out of date material

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color Green Odor: Slight

Specific Gravity (water=1): 1.1 Density: ~~N/A~~ lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 Other:
Texas State Waste Code No: CESQ2191
Proper U.S. DOT Shipping Name: Not Regulated
Class: ~~0~~ NA UN/NA: ~~0~~ NA PG: ~~0~~ NA RQ: ~~0~~ NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	8-10.0	~~0~~ mg/l	~~0~~ mg/l	~~0~~ %
Oil&Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
~~0~~ mg/l	~~0~~ mg/l	~~0~~ mg/l	~~0~~ mg/l	~~0~~ mg/l

EPAHO105000426

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Ethylene Glycol	40-60	%
Water	35-55	%
Calcium Carbonate	<5	%
Sodium Carbonate	<5	%
Polysaccharide	<5	%
Diethylene Glycol	<3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: Ø
TCLP Volatiles:
TCLP Semi-Volatiles:
Reactivity:
Corrosivity:
Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 3/14/07

Printed Name/Title: Tom McClanahan

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert W Thompson

Date: 3-30-07 Approved Rejected

Approval Number: 2132

Additional Information: _____

OL

EPAHO105000427

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000428

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000429

RKG Arrow

Custom Blending Int'l, Inc.
Material Safety Data Sheet

COMPANY IDENTIFICATION

Trademame: U.S. TIRE-TECH, INC. TIRESMART™

Manufacturer
Custom Blending Int'l, Inc.
2217 Garden Road
Pearland, TX 77581
281-485-3120

Distributor
U.S. Tire-Tech, Inc
2217-I Garden Roa
P.O. Box 320
Pearland, TX 77588 0320
281-485-7524

Important Numbers
Product Information: 800-847-3832
Medical Emergency: 281-485-3120

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
*Ethylene Glycol	107-21-1	40-60
Water	7732-18-5	35-55
Twaron® Fibers	[illegible]	[illegible]
Calcium Carbonate	471-34-1	< 5
Sodium Carbonate	497-19-8	< 5
Polysaccharide	72121-88-1	< 5
Diethylene Glycol	111-46-6	< 3
Rubber *(only in Merge 3000 product)*		< 5

* Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendmer and Reauthorization Act of 1986 and 40 CFR part 372.

HAZARDS IDENTIFICATION

Potential Health Effects

Inhalation of Ethylene Glycol Vapor: Drowsiness. Narcosis.

Attention: If the material is dried, the product could release airborne respirable fibrils. Animal studi s indicate that prolonged overexposure to such fibrils has the potential for lasting lung damage.

Skin: Minimally irritating.

Eye: May cause slight eye irritation.

Ingestion: Can produce dizziness, headache, blindness. 500 ml could be fatal.

Carcinogenicity: None.

Signs and Symptoms of Exposure:
Central nervous system effects, particularly dizziness and an oscillatory movement of the eyeballs.

Aggravated by Exposure: Information not available.

Carcinogenicity Information:

None of the components present in this material at concentrations equal to or greater than 0.1% are liste by IARC, NTP, OSHA, or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

SKIN CONTACT
Flush skin with water after contact. Wash contaminated clothing before reuse.

EYE CONTACT
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION
If swallowed, immediately give 2 glasses of water and induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

INHALATION
Move to well ventilated area.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point	:	None
Method	:	Cleveland Open Cup - COC

Hazardous gases/vapors produced in fire are oxides of carbon.

Extinguishing Media

Water Spray, Foam, CO2, Dry Chemical.

Fire Fighting Instructions

Wear self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up.
Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Soak up with sawdust, sand, oil dry or other absorbent material. Minimize dust generation.

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing vapors, mist, and dust.
Minimize airborne fibrous dust by not allowing product to dry out.
Avoid contact with eyes, skin, or clothing.
Wash clothing after use.
Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

EPAHO105000431

Custom Blending Int'l, Inc.
Material Safety Data Sheet

HANDLING AND STORAGE - Continued

Handling (Physical Aspects)

Keep away from heat, sparks, and flames.

Storage

Keep container in a cool place.
Store in a well ventilated place.
Keep container tightly closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

EYE/FACE PROTECTION
Wear safety glasses or coverall chemical splash goggles.

RESPIRATORS
Where there is a potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

PROTECTIVE CLOTHING
Where there is a potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

Applicable Exposure Limits

Ethylene Glycol	
PEL (OSHA)	: None Established
TLV (ACGIH)	: Ceiling: 39.4 ppm, 100 mg/m3, aerosol, A4
Aramid Fibers	
PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
Calcium Carbonate	
PEL (OSHA)	: 15 mg/m3, total dust, 8 Hr. TWA 5 mg/m3, respirable dust, 8 Hr. TWA
TLV (ACGIH)	: 10 mg/m3, total dust, 8 Hr. TWA
Sodium Carbonate	
PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
Diethylene Glycol	
PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
Rubber	
PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established

EPAHO105000432

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PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point	: > 285° F (> 141° C)
Specific Gravity	: 1.1 - 1.23 (Water 1.0)
Melting Point	: Not Applicable.
Vapor Pressure	: 0.06 mm Hg
Vapor Density	: > 1 (Air = 1.0)
Evaporation Rate	: > 0.01 (Butyl Acetate = 1.0)
Color	: Green
Odor	: Slight
pH	: 8.0 to 10.0
Freezing Point	: -31° F (-35° C)
Solubility in Water	: High solubility
Form	: Liquid

STABILITY AND REACTIVITY

Chemical Stability: Stable.

Decomposition: Decomposition will not occur.

Polymerization: Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

ETHYLENE GLYCOL
Eye: Animal testing indicates this material is a mild eye irritant.

Skin: LD50, rabbit: > 20 ml/kg
Animal testing indicates this material is a mild skin irritant.

Ingestion: LD50, female rat: 4000 mg/kg
Repeated exposure caused: Histopathological changes of the kidneys, bone marrow. Kidney effects with oxalate crystal deposition. Altered hematology. Decrease body weight. Long-term exposure caused: Kidney effects with oxalate crystal deposition. Histopathological changes of the kidneys, liver, blood vessels, testes, and sperm. Decreased body weight.

Inhalation: No deaths occurred in animals exposed to saturated vapors of the compound. Repeated exposure caused: Histopathological changes of liver and lungs. Eye irritation. Clouding of the eye (cornea opacity).

Carcinogenic, Developmental, Reproductive, and Mutagenic Effects:
To animal testing this material has not caused carcinogenicity. Reproductive data on adult animals show: Interference with reproduction only at levels which produce other toxic effects in the adult animal. Tests have shown this material to cause developmental toxicity in animals. This material has not produced genetic damage in bacterial cultures. There are reports indicating that this material does not produce genetic damage in some animal or mammalian cell culture tests; however, there are reports in the literature that suggest positive results.

DIETHYLENE GLYCOL

Skin absorption LD50	:	11.9 ml/kg (13,324 mg/kg) in rabbit
Oral LD50	:	20,760 mg/kg in rats

The compound is not a skin irritant, but an eye irritant. The effects in animals from single high doses by ingestion include lethargy, incoordination, tubular necrosis, abnormal kidney functions, increased urine output, altered enzyme levels and activity, and liver degeneration. Repeated ingestion exposures caused severe injury to the kidneys, liver damage, and crystalline deposits in the retina, kidney and liver. Long term ingestion exposure to high doses caused

Custom Blending Int'l, Inc.
Material Safety Data Sheet

TOXICOLOGICAL INFORMATION - Continued

bladder stones and histologic changes in the pancreas. Tests in some animals demo strate carcinogenic activity, possibly due to the chronic irritation produced by the bladder stones that occurred in the animals. Tests in bacterial or mammalian cell cultures demonstrate no mutagenic activity. Tests in some animals in icate that the compound may have developmental toxicity, but only at dose levels that are also maternally toxic. One ublished study has indicated some reproductive toxicity in mice given high oral doses.

ECOTOXICOLOGICAL INFORMATION

Ecotoxicological Information

Aquatic Toxicity
Ethylene Glycol
96-Hour LC50, Fathead Minnow: 49,000 mg/L

Diethylene Glycol
96-hour LC50, Mosquito Fish: >32,000 mg/L

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, Sta /Provincial, and Local regulations.

TRANSPORTATION INFORMATION

Shipping Information

DOT
Proper Shipping Name : None. Not Regulated.

Note: Packages containing less than 5,000 lbs Ethylene Glycol are not regulated by DOT, IMO (for water), or IATA/ICAO (for air).

Shipping Information - Canada

TDG Class : Not Regulated.
ICAO : International Civil Aviation Organization classification not required.

REGULATORY INFORMATION

U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : Yes
Fire : No
Reactivity : No
Pressure : No

TSCA Inventory Status : Reported/Included.

LISTS:
SARA Extremely Hazardous Substance: No
CERCLA Hazardous Material : No
SARA Toxic Chemical : Yes

Canadian Regulation

This is not a WHMIS Controlled Product.

EPAHO105000434

Custom Blending Int'l, Inc.
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OTHER INFORMATION
NFPA, NPCA-HMIS

NFPA Rating
Health : 1
Flammability : 1
Reactivity : 0

NPCA-HMIS Rating
Health : 2
Flammability : 1
Reactivity : 0

The data in this Material Safety Data Sheet relates only to the specific material designated h rein and does not relate to use in combination with any other material. Custom Blending Int'l, Inc.

2217 Garden Road
P.O. Box 320
Pearland, TX 77588-0320
(281) 485-3120
(281) 485-0589 Fax

End of MSDS

EPAHQ105000435

Praxair 2133
Prof # 2133

EPAHO10500436

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/30/2007**

Dear

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2133

Generator: Praxair, Inc. (1800 Grant Avenue)
Address: 1800 Grant Avenue (PO Box 1461, Zip 77592)
Texas City, TX 77590

Waste Information

Name of Waste: Diesel fuel product
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Unused diesel fuel
Color: clear **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: halogens, strong acids, alkalies, and oxidizers
Safety Related Data/Special Handling:
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Praxair, Inc.		
Address:	1800 Grant Avenue (P.O. Box 1461 Zip 77592)		
City, State, Zip:	Texas City, TX 77590		
Contact:	Earl Didone	**Title:**	Plant Technician
Phone No:	409-643-5635	**Fax No:**	
24/hr Phone:	281-802-2767		
U.S. EPA I.D. No:	NA		
State I.D.	NA	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Invoice Auditing Department Praxair Inc		
Address:	P.O. Box 808		
City, State, Zip:	Tonawanda, NY 14151-0808		
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Diesel Fuel Product
Detailed Description of Process Generating Waste: Unused diesel fuel

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: clear **Odor:** hydrocarbon

Specific Gravity (water=1): .82-.85 **Density:** 8-8.5 lbs/gal

Layers: ☒ **Single-phase** ☐ **Multi-phase**

Container Type:	☐	**Drum**	☒	**Tote**	☐ **Truck**	☐	**Other (explain)**
Container Size:		____		300 gal	____		____

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☒ **Yearly**
Number of Units (containers): 4 **Other:** ____
Texas State Waste Code No: Product
Proper U.S. DOT Shipping Name: Diesel Fuel
Class: 3 **UN/NA:** NA1993 **PG:** III **RQ:** NA

Flash Point ~~>52~~ 125	**pH** NA	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** ~~0-1%~~ 0-2%
Oil&Grease <100mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO105000438

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Diesel Fuel	98-100	%
Soil	0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
halogens, strong acids, alkalies, and oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A **Date:** 3-30-07

Printed Name/Title: None Needed for product

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert Thrasher Date: 3-30-07 Approved Rejected Approval Number: 2133	$.10/gal

EPAHO105000439

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000440

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000441

MATERIAL SAFETY DATA BULLETIN

NO. 2 DIESEL FUEL (0.05 WT% S)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME NO 2 DIESEL FUEL (0 05 WT% S)
SUPPLIER MOBIL OIL CORP
NORTH AMERICA MARKETING AND REFINING
3225 GALLOWS RD.
FAIRFAX, VA 22037

24 - Hour Emergency (call collect)	609-737-4411	
Product and MSDS Information	800-662-4525	609-224-4644
CHEMTREC	800-424-9300	202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS HYDROCARBONS AND ADDITIVES

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH

Substance Name	Wt%
DIESEL FUEL (68334-30-5)	100

See Section 15 for European Label Information.

See Section 8 for exposure limits (if applicable)

3. HAZARDS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD Product assessed in accordance with OSHA 29 CFR 1910 1200 and determined to be hazardous
EFFECTS OF OVEREXPOSURE Respiratory irritation, dizziness, nausea, loss of consciousness Prolonged, repeated skin contact may result in skin irritation or more serious skin disorders Low viscosity material-if swallowed may enter the lungs and cause lung damage Note This product contains polycyclic aromatic hydrocarbons, some of which have been reported to cause skin cancer in humans under conditions of poor personal hygiene, prolonged repeated contact, and exposure to sunlight Toxic effects are unlikely to occur if good personal hygiene is practiced
EMERGENCY RESPONSE DATA. Clear (May Be Dyed) Liquid Material is combustible DOT ERG No -128

4. FIRST AID MEASURES

EYE CONTACT Flush thoroughly with water If irritation occurs, call a physician

SKIN CONTACT Remove contaminated clothing Dry wipe exposed skin and cleanse yourself with waterless hand cleaner and follow by washing thoroughly with soap and water. For those providing assistance, avoid further contact to yourself or others Wear impervious gloves Launder contaminated clothing separately before reuse Discard contaminated articles that cannot be laundered

INHALATION Remove from further exposure If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with bag-valve-mask device or use mouth-to-mouth resuscitation

INGESTION Seek immediate medical attention Do not induce vomiting

NOTE TO PHYSICIANS. Material if aspirated into the lungs may cause chemical pneumonitis Treat appropriately

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA Carbon dioxide, foam, dry chemical and water fog

SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep fire exposed containers cool If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop leak Water spray may be used to flush spills away from exposures Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply

SPECIAL PROTECTIVE EQUIPMENT For fires in enclosed areas, fire fighters must use self-contained breathing apparatus

UNUSUAL FIRE AND EXPLOSION HAZARDS Material is combustible Flash Point C(F) > 52(125) (ASTM D-93). Flammable limits - LEL 0 6%, UEL 7 0%

NFPA HAZARD ID Health 1, Flammability 2, Reactivity 0

HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES· Report spills as required to appropriate authorities U S Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks Report spill to Coast Guard toll free number (800) 424-8802 In case of accident or road spill notify CHEMTREC (800) 424-9300

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED· Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal

ENVIRONMENTAL PRECAUTIONS. Prevent spills from entering storm sewers or drains and contact with soil

PERSONAL PRECAUTIONS See Section 8

EPAHO105000443

7. HANDLING AND STORAGE

HANDLING Harmful in contact with or if absorbed through the skin Avoid inhalation of vapors or mists PORTABLE CONTAINERS approved for storing fuel must be placed on the ground and the nozzle must stay in contact with the container when filling to prevent build up and discharge of static electricity.

STORAGE Store in a cool area A flammable atmosphere can be produced in storage tank headspaces even when stored at a temperature below the flashpoint Monitor and maintain headspace gas concentrations below flammable limits Ensure that there are no ignition sources in the area immediately surrounding filling and venting operations Avoid sparking conditions Ground and bond all transfer equipment Store in a cool area

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION Use in well ventilated area Ventilation desirable and equipment should be explosion proof

RESPIRATORY PROTECTION· No special requirements under ordinary conditions of use and with adequate ventilation

EYE PROTECTION If splash with liquid is possible, chemical type goggles should be worn

SKIN PROTECTION Impervious gloves must be worn If contact is likely all impervious clothing must be worn

EXPOSURE LIMITS· *This product does not contain any components which* have recognized exposure limits

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details

APPEARANCE Liquid
COLOR Clear (May Be Dyed)
ODOR Hydrocarbon
ODOR THRESHOLD-ppm NE
pH NA
BOILING POINT C(F): > 149(300)
MELTING POINT C(F): NA
FLASH POINT C(F) > 52(125) (ASTM D-93)
FLAMMABILITY NE
AUTO FLAMMABILITY NE
EXPLOSIVE PROPERTIES. NA
OXIDIZING PROPERTIES NA
VAPOR PRESSURE-mmHg 20 C: 0 5
VAPOR DENSITY > 2.0
EVAPORATION RATE· NE
RELATIVE DENSITY, 15/4 C 0.82-0.87
SOLUBILITY IN WATER Negligible
PARTITION COEFFICIENT NE
VISCOSITY AT 40 C, cSt > 1 0
VISCOSITY AT 100 C, cSt NE
POUR POINT C(F) < -7(20)
FREEZING POINT C(F) NE
VOLATILE ORGANIC COMPOUND: NE
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.) Stable
CONDITIONS TO AVOID Heat, sparks, flame and build up of static electricity
INCOMPATIBILITY (MATERIALS TO AVOID) Halogens, strong acids, alkalies, and oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.
HAZARDOUS POLYMERIZATION Will not occur

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS) Practically non-toxic (LD50 greater than 2000 mg/kg) ---Based on testing of similar products and/or the components

DERMAL TOXICITY (RABBITS) Practically non-toxic (LD50 greater than 2000 mg/kg) ---Based on testing of similar products and/or the components

INHALATION TOXICITY (RATS) Practically non-toxic (LC50 greater than 5 mg/l) ---Based on testing of similar products and/or the components

EYE IRRITATION (RABBITS) Practically non-irritating (Draize score greater than 6 but 15 or less) ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS) Practically non-irritating (Primary Irritation Index greater than 0 5 but less than 3) ---Based on testing of similar products and/or the components

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Repeated dermal application to rats for 13 weeks was carried out with aromatic oils similar to some of the components of this product Resulting effects included increased mortality and decreased body and thymus weights Severe skin irritation was also observed at the site of application

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

Repeated dermal application to pregnant rats was carried out using aromatic oils similar to some of the components used in this product Results included maternal toxicity, decreased fetal body weights and decreased fetal survival in some cases No fetal malformations were observed

---CHRONIC TOXICOLOGY (SUMMARY)---

Expected to be carcinogenic in lifetime mouse skin painting bioassays

---OTHER TOXICOLOGY DATA---

Skin cleansing studies with aromatic oils show that toxic effects are not likely to occur in humans if good personal hygiene practices are used. Overexposure to diesel exhaust fumes may result in eye irritation, headaches, nausea, and respiratory irritation Animal studies involving lifetime exposure to high levels of diesel exhaust have produced variable results, with some studies indicating a potential for lung cancer Limited evidence from epidemiological studies suggest an association between long-term occupational exposure to diesel engine emissions and lung cancer Diesel engine exhaust typically consists of gases and particulates, including carbon dioxide, carbon monoxide, nitrogen compounds, oxides of sulfur, and hydrocarbons Diesel exhaust composition will vary with fuel, engine type, load cycle, engine maintenance, tuning and exhaust gas treatment Use of adequate ventilation and/or respiratory protection in the presence of diesel exhaust is recommended to minimize exposures

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS Not established

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL Product is suitable for burning for fuel value in compliance with applicable laws and regulations

RCRA INFORMATION Disposal of unused product may be subject to RCRA regulations (40 CFR 261) due to the characteristic(s)/chemical(s) listed below Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity, or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP)

FLASH > 52(125) C(F)

14. TRANSPORT INFORMATION

NOTE The flash point of this material is > 125F Regulatory classifications vary as follows

DOT Flammable Liquid OR Combustible Liquid - (49CFR 173 120(b)(2))
OSHA Combustible Liquid
IATA/IMO- Flammable Liquid

USA DOT-

SHIPPING NAME	Diesel Fuel
HAZARD CLASS & DIV	COMBUSTIBLE LIQUID
ID NUMBER-	NA1993
ERG NUMBER	128
PACKING GROUP:	PG III
STCC	NE
DANGEROUS WHEN WET-	No
POISON	No
LABEL(s)	NA
PLACARD(s)	Combustible
PRODUCT RQ	NA
MARPOL III STATUS-	NA

In accordance with 49 CFR 173 150(f)(2), non-bulk quantities of this material (<119 gallons per container) may be shipped as non regulated for USA domestic shipments

RID/ADR

HAZARD CLASS	3
HAZARD SUB-CLASS	31(c)
LABEL	3
DANGER NUMBER -	30
UN NUMBER	1202
SHIPPING NAME	Gas Oil
REMARKS	NA

IMO

HAZARD CLASS & DIV	3.3
UN NUMBER	1202
PACKING GROUP	PG III
SHIPPING NAME	Gas Oil
LABEL(s)-	Flammable Liquid
MARPOL III STATUS-	NA

ICAO/IATA

HAZARD CLASS & DIV	3
ID/UN Number-	1202
PACKING GROUP-	PG III
SHIPPING NAME.	Gas Oil
SUBSIDIARY RISK	NA
LABEL(s)	Flammable Liquid

15. REGULATORY INFORMATION

Governmental Inventory Status All components comply with TSCA, and EINECS/ELINCS

EU Labeling

Symbol Xn Harmful

Risk Phrase(s) R10-40-65
Flammable Possible risks of irreversible effects Harmful may cause lung damage if swallowed

Safety Phrase(s) S24-2-36/37-61-62
Avoid contact with skin. Keep out of the reach of children Wear suitable protective clothing and gloves Avoid release to the environment Refer to special instructions/Safety data sheets If swallowed, do not induce vomiting seek medical advice immediately and show this container or label

Contains Gas oil - unspecified

U S Superfund Amendments and Reauthorization Act (SARA) Title III
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES:
FIRE CHRONIC ACUTE

This product contains the following SARA (313) Toxic Release Chemicals

CHEMICAL NAME	CAS NUMBER	CONC
POLYNUCLEAR AROMATIC HYDROCARBONS (COMPONENT ANALYSIS)		0.1%

The following product ingredients are cited on the lists below

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
DIESEL OIL C9-20	68334-30-5	21, 26

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=PL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key CARC=Carcinogen, SUS=Suspected Carcinogen, REPRO=Reproductive

16. OTHER INFORMATION

Precautionary Label Text

CONTAINS DIESEL OIL C9-20

WARNING!

COMBUSTIBLE LIQUID AND VAPOR MAY CAUSE NOSE, THROAT AND LUNG IRRITATION, DIZZINESS, NAUSEA LOSS OF CONSCIOUSNESS LOW VISCOSITY MATERIAL-IF SWALLOWED, MAY BE ASPIRATED AND CAN CAUSE SERIOUS OR FATAL LUNG DAMAGE

MAY CAUSE SKIN CANCER ON PROLONGED, REPEATED SKIN CONTACT ANIMAL SKIN ABSORPTION STUDIES RESULTED IN INCREASED MORTALITY, EFFECTS ON BODY WEIGHT, THE IMMUNE SYSTEM AND THE UNBORN CHILD PROLONGED, REPEATED SKIN CONTACT MAY CAUSE IRRITATION DIESEL EXHAUST IS SUSPECT OF CAUSING LUNG CANCER.

Keep away from heat and flame Avoid prolonged or repeated overexposure by skin contact or inhalation Use with adequate ventilation Keep container closed Keep out of reach of children Approved portable containers must be properly grounded when transferring fuel.

FIRST AID If inhaled, remove from further exposure If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance If breathing has stopped, assist ventilation with a bag-valve-mask device or use mouth-to-mouth resuscitation In case of contact, remove contaminated clothing Dry wipe the exposed skin and cleanse with waterless hand cleaner and follow by washing thoroughly with soap and water For those providing assistance, avoid further skin contact to yourself and others Wear impervious gloves If swallowed, seek immediate medical attention Do not induce vomiting Only induce vomiting at the instruction of a physician

Empty container may contain product residue, including flammable or explosive vapors Do not cut, puncture, or weld on or near container All label warnings and precautions must be observed until container has been thoroughly cleaned or destroyed

Chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm are created by the combustion of this product Refer to product Material Safety Data Bulletin for further safety and health information

---

USE DIESEL FUEL

NOTE MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS

INGREDIENT DESCRIPTION	PERCENT	CAS NUMBER
DIESEL OIL C9-20	100	68334-30-5

****

For Internal Use Only. MHC 1* 1* 1* 1* 1*, MPPEC C, TRN 171009-00, CMCS97 977903, REQ. US - MARKETING, SAFE USE C
EHS Approval Date 01SEP1998

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END OF DOCUMENT

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **7/31/2007**

Dear **David Sirman**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2267

Generator: TurboCare, Inc
Address: 3100 S. Sam Houston Parkway East
Houston, TX 77047

Waste Information

Name of Waste: Hydroblast water
TCEQ Waste Code #: CESQ2191
Container Type:
Detailed Description of Process Generating Waste:
Water from hydroblasting a turbine roter
Color: varies **Odor:** varies **pH:** neutral
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	TurboCare, Inc		
Address:	3100 S. Sam Houston Parkway East		
City, State, Zip:	Houston, TX 77047		
Contact:	David Sirman	**Title:**	Repair Specialist
Phone No:	713-336-1480	**Fax No:**	713-336-1481
24/hr Phone:			
U.S. EPA I.D. No:	NA		
State I.D.	NA	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Hydroblast water
Detailed Description of Process Generating Waste: Water from hydroblasting a turbine roter

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: varies **Odor:** varies

Specific Gravity (water=1): 1 **Density:** 8.34 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☐	**Drum**	☒	**Tote**	☐	**Truck**	☐ **Other (explain)**
Container Size:		____		350 gal		____	____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 2 **Other:** ____
Texas State Waste Code No: CESQ2191
Proper U.S. DOT Shipping Name: Non RCRA Non DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >150	**pH** neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0-1%
Oil&Grease 0mg/l	**TOC** <1000mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO105000453

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	100	%
rust	trace	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: David Sirman **Date:** 7/31/07

Printed Name/Title: David Sirman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Robbert Thanquer Date: 7-31-07 Approved Rejected Approval Number: 2267	$100.00 min/tote, 1L

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000455

Greens Pipeline 2134
Prof #2134

EPAHO105000456

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/30/2007**

Dear **Robby Meriovsky**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2134

Generator: Greens Pipeline
Address: FM 1942 @ Hwy 146
Baytown, TX 77522

Waste Information

Name of Waste: Used pipeline poly pigs
TCEQ Waste Code #:
Container Type: Roll-off box
Detailed Description of Process Generating Waste:
Poly pigs used to clean LP pipeline
Color: tan **Odor:** none **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road **Houston, TX 77021** MB
Phone: (713) 676-1460 **Fax: (713) 676-1676**
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	GREENS Pipeline		
Address:	FM 1942 @ Hwy 146		
City, State, Zip:	Baytown, TX 77523		
Contact:	Steve Siefert	**Title:**	Operations
Phone No:	281-821-8420	**Fax No:**	281-821-1081
24/hr Phone:	SAME		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston, TX. 77029		
Contact:	Robby Mersiovsky	**Title:**	Sales
Phone No:	713-882-7740	**Fax No:**	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: Used Pipeline poly pigs
Detailed Description of Process Generating Waste: poly pigs used to clean LP pipeline

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: tan **Odor:** none

Specific Gravity (water=1): NA **Density:** NA lbs/gal

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain)
Container Size: ____ ____ ____ 25 yrd roll-off

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: CESQ3191
Proper U.S. DOT Shipping Name: Non DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150°	3-11	N/A mg/l	N/A mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

EPAHO105000458

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Poly Pipeline Pigs	100%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
see analytical Environ # 61667.01

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: x
TCLP Volatiles: x
TCLP Semi-Volatiles: x
Reactivity: x
Corrosivity: x
Ignitability: x

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] AS AGENT for generator **Date:** 3/29/07

Printed Name/Title: Robert Mersinsky

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Maynard

Date: 3-30-07 Approved Rejected

Approval Number: 2134

Additional Information: IS

EPAHO105000459

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000460

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000461

ENVIRON EXPRESS LABORATORIES, INC.
401 N. 11th St.
La Porte, TX 77571
281.471.6951 FAX:281.471.6814

CERTIFICATE NO: 61667.01 **1 of 1**

Customer: Select Env. Sample ID: Pipeline Pig Environ ID: 61667.01
Project ID: Greens Pipeline Sampled: 03-22-07
Project Loc: Mt. Belvieu, TX Matrix: Solid Received: 03-23-07
Charge/P.O.: Type: Reported: 03-29-07

ANALYTE/ PARAMETER	RESULT	UNITS	REG. LIMIT	DET. LIMIT	TEST METHOD	TEST BY	DATE	TIME
BTEX - TOTAL								
Benzene	< 0.005	mg/kg	--	0.005	EPA SW846.8021B	DMB	03-29-07	11:42
Toluene	< 0.005	mg/kg	--	0.005	EPA SW846.8021B	DMB	03-29-07	11:42
Ethylbenzene	< 0.005	mg/kg	--	0.005	EPA SW846.8021B	DMB	03-29-07	11:42
Xylenes	< 0.015	mg/kg	--	0.015	EPA SW846.8021B	DMB	03-29-07	11:42
Total BTEX	< 0.030	mg/kg	--		EPA SW846.8021B	DMB	03-29-07	11:42
METALS -TCLP					EPA SW846.1311	MN	03-23-07	
Arsenic	< 0.1	mg/l	5	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Barium	0.6	mg/l	100	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Cadmium	< 0.1	mg/l	1	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Chromium	< 0.1	mg/l	1.5/5.0	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Lead	< 0.1	mg/l	1.5/5.0	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Selenium	< 0.1	mg/l	1	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Silver	< 0.1	mg/l	5	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Mercury	< 0.02	mg/l	0.2	0.02	EPA SW846.7470A	MN	03-28-07	13:00
PYROPHORIC								
Pyrophoric	Negative	--	--	--	40CFR173.APP.E.3	JK	03-28-07	14:30

Key: REG - Regulatory Limit (User Should Verify)
DET - Detection Limit
TCLP - Toxicity Characteristic Leaching Procedure
mg/l - PPM by Volume
mg/kg - PPM by Weight
SU - Standard Units
ug - micrograms
kg - kilograms
l - Liter

John Keller
John Keller, Ph.D
Laboratory Director

CHAIN OF CUSTODY

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5621 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: Gaby Mersiovsky	Invoice To: SAME
Company: Select Environmental	Company:
Address: 723 McCarty	Address:
City: Houston State: TX Zip: 77029	City: State: Zip:
Phone: 713-892-7748	Phone:
Fax: 713-672-9425	Fax:
e-Mail: robbm@orcp.com	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #	COC Present? Yes No
Shipment Sealed? Yes No	Samples Sealed? Yes No
Received on Ice? Yes No	Samples Intact? Yes No
Cooler Temp. (°C) 2	Preservative Shown? Yes No NA
Hold Time OK? Yes No	Res Cl2 Check OK? Yes No NA
pH Check OK? Yes No NA	COC & Labels Agree? Yes No

Remarks & Additional Analyses

Project Name: GLENIES Pipeline
Project Location: Mt Belview
Project No:
Sampler (Print): Gaby Mersiovsky
Sampler Signature:

Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	[2] Cntr. Type	[2] Number	[2] Volume	[3] Preservative	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL EPA TCLP VOLATILES	TOTAL EPA TCLP SEMI-VOLS	TOTAL EPA TCLP RCRA 8 METALS	TOTAL EPA TCLP PESTICIDES
61667.01	1) Pipeline Pig	3/22 3:00p	SO	—	P	1	250ml	1	X						X	X
	2)															
	3)															
	4)															
	5)															
	6)															
	7)															
	8)															
	9)															
	10)															

Relinquished By: SEPM	Company:	Date/Time: 3/23/07 12:20	Received By: 12:27 3/23/07 Company:
Relinquished By:	Company:	Date/Time:	Received By: Company:
Relinquished By:	Company:	Date/Time:	Received By: Company:

[1] Matrix Key
S:Soil W:Water WW:Waste Water SL:Sludge SO:Solid SE:Sediment L:Leachate WI:Wipe OR:Organic OL:Oil DS:Drum Solid DL:Drum Liquid O:Other

[2] Container Type Key
P:Plastic G:Glass V:VOA Glass O:Other

[3] Preservative Key
1:Ice(<4°C) 2:HCL 3:H2SO4 4:HNO3 5:NaOH 6:NaOH+Zn Acetate 7:Na2S2O3 8:None

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

Mar. 30. 2007 9:36AM Environ No. 2219 P. 5/5
EPAHO10500463

Nacher Corp 2135
Prof# 2135

EPAHO10500464

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/30/2007**

Dear **Robby Meriovsky**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2135

Generator: Nacher Corporation
Address: Gulf Copper Dock-Pelican Island
Galveston, TX

Waste Information

Name of Waste: Rust scale from off-shore rig
TCEQ Waste Code #: CESQ3191
Container Type: vac box
Detailed Description of Process Generating Waste:
Rust scale chipped from off-shore platform
Color: rust **Odor:** none **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

MB

SECTION 1: Generator Information

Company:	Nacher Corporation		
Address:	Gulf Copper Dock - Pelican Island		
City, State, Zip:	Galveston, TX.		
Contact:	Edward Veracruz	**Title:**	Operator
Phone No:	832-880-9453	**Fax No:**	—
24/hr Phone:	SAME		
U.S. EPA I.D. No:	~~NONE~~ TXCESQG		
State I.D.	~~NONE~~ CESQG	**SIC Code:**	~~NONE~~ N/A

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston, TX. 77029		
Contact:	Robby Mersiovsky	**Title:**	Sales
Phone No:	713-882-7740	**Fax No:**	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: rust scale from off shore rig
Detailed Description of Process Generating Waste: rust scale chipped from offshore platform

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☑ Solid ☐ Filter Cake ☐ Combination

Color: rust **Odor:** NONE

Specific Gravity (water=1): NA **Density:** NA lbs/gal

Layers: ☑ Single-phase ☒ ~~NA~~ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain) VAC box
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: CESQ3191
Proper U.S. DOT Shipping Name: Non DOT Regulated MATERIAL
Class: ____ **UN/NA:** ____ **PG:** ____ **RQ:** ____

Flash Point >150	**pH** 3-11	**Reactive Sulfides** NA mg/l	**Reactive Cyanides** NA mg/l	**Solids** 100 %
Oil&Grease NA mg/l	**TOC** NA mg/l	**Zinc** NA mg/l	**Copper** NA mg/l	**Nickel** NA mg/l

EPAHO105000466

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Rust Scale	95%	
Air Mover Hose	5%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
see analytical ENVIRON # 61668.01

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: x
TCLP Volatiles: x
TCLP Semi-Volatiles: x
Reactivity: x
Corrosivity: x
Ignitability: x

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] AS AGENT for GENERATOR **Date:** 3/29/07

Printed Name/Title: Cobby Mersiovsky

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robbin Bhangra

Additional Information: 15

Date: 3-30-07 Approved Rejected

Approval Number: 2135

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000468

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000469

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.9951 FAX:281.471.5881

Express Laboratories

CERTIFICATE NO: 61668.01 61668.01 1of 1

Customer: Select Env.
Project ID: Nacher Corp.
Project Loc: Galveston, TX
Charge/P.O.:

Sample ID: Nacher Rust Scale
Matrix: Solid
Type:

Environ ID: 61668.01
Sampled: 03-23-07
Received: 03-23-07
Reported: 03-29-07

ANALYTE/ PARAMETER	RESULT	UNITS	REG. LIMIT	DET. LIMIT	TEST METHOD	TEST BY	DATE	TIME
BTEX - TOTAL								
Benzene	< 0.005	mg/kg	–	0.005	EPA SW846.8021B	DMB	03-29-07	14:37
Toluene	0.105	mg/kg	–	0.005	EPA SW846.8021B	DMB	03-29-07	14:37
Ethylbenzene	0.031	mg/kg	–	0.005	EPA SW846.8021B	DMB	03-29-07	14:37
Xylenes	0.126	mg/kg	–	0.015	EPA SW846.8021B	DMB	03-29-07	14:37
Total BTEX	0.262	mg/kg	–		EPA SW846.8021B	DMB	03-29-07	14:37
METALS -TCLP					EPA SW846.1311	MN	03-23-07	
Arsenic	< 0.1	mg/l	5	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Barium	0.5	mg/l	100	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Cadmium	< 0.1	mg/l	1	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Chromium	< 0.1	mg/l	1.5/5.0	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Lead	< 0.1	mg/l	1.5/5.0	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Selenium	< 0.1	mg/l	1	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Silver	< 0.1	mg/l	5	0.1	EPA SW846.6010B	JK	03-29-07	10:30
Mercury	< 0.02	mg/l	0.2	0.02	EPA SW846.7470A	MN	03-28-07	13:00
RCI								
Reactive Cyanide	< 50	mg/kg	250	50	EPA SW846.7.3.3	LC	03-26-07	10:10
Reactive Sulfide	< 50	mg/kg	500	50	EPA SW846.7.3.4	LC	03-26-07	10:20
Corrosivity (Ph)	7.81	su	=>2; =<12.5	–	EPA SW846.9045C	JA	03-27-07	15:30
Ignitability	> 160	°F	> 140	–	EPA SW846.1010	LC	03-26-07	16:00

Key:
REG - Regulatory Limit (User Should Verify)
DET - Detection Limit
TCLP - Toxicity Characteristic Leaching Procedure
mg/l - PPM by Volume
mg/kg - PPM by Weight
SU - Standard Units
mg - milligrams
kg - kilograms
l - Liter

John Keller

John Keller, Ph.D
Laboratory Director

CHAIN OF CUSTODY

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To:	Robby Mersiovsky
Company:	Select Environmental
Address:	223 McCarty
City:	Houston State: TX Zip: 77029
Phone:	713-882-7740
Fax:	713-672-9425
e-Mail:	robbym@ornp.com
Invoice To:	SAME
Company:	
Address:	
City:	State: Zip:
Phone:	
Fax:	
PO#:	Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #	COC Present? Yes No
Shipment Sealed? Yes No	Samples Sealed? Yes No
Received on Ice? Yes No	Samples Intact? Yes No
Cooler Temp. (°C) 2	Preservative Shown? Yes No NA
Hold Time OK? Yes No	Res. Cl2 Check OK? Yes No NA
pH Check OK? Yes No NA	COC & Labels Agree? Yes No

Remarks & Additional Analyses

Project Name: Nacher Corp.
Project Location: Galveston
Project No:
Sampler (Print): Robby Mersiovsky
Sampler (Sign):
Sampler Remarks:

Cntr. Type	P
Number	1
Volume	250
Preservative	1

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL EPA TCLP: VOLATILES	SEMI-VOLS	RCRA 8 METALS
61668.01	1) Nacher Rust Scale	3/23/07 12:25	SO		X		X				X
	2)										
	3)										
	4)										
	5)										
	6)										
	7)										
	8)										
	9)										
	10)										

Relinquished By:	Company:	Date/Time:	Received By:	Company:
[signature]	SEPM	3/23/07 12:25p	[signature]	3/23/07 12:27
Relinquished By:	Company:	Date/Time:	Received By:	Company:
Relinquished By:	Company:	Date/Time:	Received By:	Company:

[1] Matrix Key
S:Soil W:Water WW:Waste Water SL:Sludge SO:Solid SE:Sediment L:Leachate Wt:Wipe OR:Organic OL:Oil DS:Drum Solid DL:Drum Liquid O:Other _____

[2] Container Type Key
P:Plastic G:Glass V:VOA Glass O:Other _____

[3] Preservative Key
1:Ice(<4°C) 2:HCL 3:H2SO4 4:HNO3 5:NaOH 6:NaOH+Zn Acetate 7:Na2S2O3 8:None

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

Mar. 30. 2007 9:35AM Environ No. 2219 P. 3/5
EPAHO105000471

Amerifarge Corp 2136
Prof # 2136

EPAHO10500472

7E

8-4-09

LAB

T-34

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/31/2007**

Dear **Jim Beare**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2136

Generator: Ameriforge Corporation
Address: 13770 Industrial Rd.
Houston, TX 77015

Waste Information

Name of Waste: Universal Non PCB Capacitors
TCEQ Waste Code #: UNIV
Container Type: box
Detailed Description of Process Generating Waste:
Used non PCB capacitors
Color: varies **Odor:** none **pH:** neutral
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
Standard Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Ameri-Forge Group Inc.		
Address:	13770 Industrial Road		
City, State, Zip:	Houston, TX 77015		
Contact:	Jim Beare	**Title:**	HSE Manager
Phone No:	713-293-1136	**Fax No:**	713-393-4405
24/hr Phone:			
U.S. EPA I.D. No:	TXR000046690		
State I.D.	82538	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Universal Non PCB Capaciotors
Detailed Description of Process Generating Waste: Used Non PCB Capacitors

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: varies **Odor:** none

Specific Gravity (water=1): NA **Density:** NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: box

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 5 **Other:**
Texas State Waste Code No: Universal Waste
Proper U.S. DOT Shipping Name: Environmentally hazardous substances, solid, n.o.s.
Class: 9 **UN/NA:** UN3077 **PG:** III **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	neutral	0mg/l	0mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
<1500mg/l	<1500mg/l	0mg/l	0mg/l	0mg/l

EPAHO105000475

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Non PCB Capacitors	99-100	%
Oil	trace	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 2-21-07

Printed Name/Title: Jim Beare

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 2-2-07 (Approved) Rejected UNIV - Recycle

Approval Number: 2136

EPAHO105000476

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000477

Kinder Morgan 2100
Prof # 2100

EPAHO10500478

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/12/2007**

Dear **Michael Jaskowiak**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2100

Generator: Kinder Morgan - Port Arthur
Address: 3605 Coke Dock Road
Port Arthur, TX 77640

Waste Information

Name of Waste: Water and soda ash mixture
TCEQ Waste Code #: CESQ1192
Container Type:
Detailed Description of Process Generating Waste:
Water and soda ash mixture from operations
Color: clear to white **Odor:** odorless **pH:** 11
Physical State:
Incompatibilities: acids, aluminum, flourine, magnesium
Safety Related Data/Special Handling:
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Kinder Morgan PABFAC
Address: 3605 Cake Deck Rd
City, State, Zip: H. Arthur Tx 77640
Contact: Myron Knapp Title: Supervisor
Phone No: 409-983-6071 Fax: 409-983-7893
24 / HR Phone:
U.S EPA I.D No: NA
State I.D: NA SIC Code NA

SECTION 2: Billing Information

Company: Kinder Morgan (Galena Park)
Address: 906 Clinton Drive
City, State, Zip: Galena Park TX 77547
Contact: Michael Jaskowiak Title:
Phone No: 800-377-4692 Fax:

SECTION 3: General Description of the Waste water and soda ash mixture from operations

Name of Waste: Water and soda ash mixture

Physical State: ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: clear to white Odor: odorless
Specific Gravity (Water=1): 1-1.5 Density: 9 lbs / gal
Layers: ☑ Single-Phase ☐ Multi-Phase
Container Type: ☐ Drum ☐ Tote ☑ Truck ☐ Other (explain)
Container Size: 6000gal
Number Of Units: 20
Texas State Waste Code No: C-30192
Proper U.S. State Waste Code No: Non RCRA/Non DOT regulated wastewater
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	11	N/A mg/l	N/A mg/l	N/A %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

EPAHO105000480

SECTION 4: Physical and Chemical Data

20-95% water

5 to 40% soda ash/sodium carbonate

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Acids, Aluminum, Fluorine, Magnesium

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ✓

TCLP Volatiles : ✓

TCLP Semi-Volatiles : ✓

Reactivity : ✓

Corrosivity : ✓

Ignitability : ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☑ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : Marcia Knapp Date : _____

Printed Name / Title : _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer : Robert Thompson	1L
Date : 3-12-07 Status : (Approved) Rejected	Recommended Treatment:
Approval Number : 2100	

EPAHO105000481

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☑ YES ☐ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: *Subpart A*

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory *Subpart B*

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory *Subpart C*

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

SODA ASH (SODIUM CARBONATE, ANHYDROUS)

Note: This MSDS is not valid three years after date prepared.

Material Safety Data Sheet **Date Prepared: 1/31/06** **Supersedes Date: 6/01/04**

1. *PRODUCT AND COMPANY DESCRIPTION*

OCI Chemical Corporation
Two Corporate Drive
Shelton, CT 06484

Emergency Phone Numbers:
FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC (800-424-9300) IN THE UNITED STATES OR OCI (1-203-225-3100 or 1-888-278-1657); IN CANADA CONTACT CANUTEC (613) 996-6666.

For Product Information:
(800) 865-1774

Chemical Name or Synonym:
SODIUM CARBONATE ANHYDROUS; DISODIUM CARBONATE; SODA ASH; CARBONIC ACID, DISODIUM SALT

Molecular Formula:
Na_2CO_3; Molecular weight 105.99

2. *COMPOSITION/INFORMATION ON INGREDIENTS*

Component	CAS Reg Number	EINECS Number	OSHA Hazard	Percentage
SODIUM CARBONATE	497-19-8	207-838-8	Y	100

3. *HAZARDS IDENTIFICATION*

A. Physical Appearance and Odor:
White granules solid, odorless

Warning Statements:
WARNING: CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION

B. POTENTIAL HEALTH EFFECTS

3. *HAZARDS IDENTIFICATION (Continued)*

Acute Eye:
Causes irritation.

Acute Skin:
May cause redness, swelling.

Acute Inhalation:
May cause upper respiratory tract irritation, lung irritation.

Acute Ingestion:
Low acute oral toxicity. May cause nausea, vomiting, diarrhea, irritation, corrosion.

Chronic Effects:
This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

4. *FIRST AID MEASURES*

FIRST AID MEASURES FOR ACCIDENTAL:

Eye Exposure:
Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention.

Skin Exposure:
In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

Inhalation:
Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek immediate medical attention.

4. *FIRST AID MEASURES (Continued)*

Ingestion:
If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:
Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

NOTES TO PHYSICIAN:
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5. *FIRE FIGHTING MEASURES*

FIRE HAZARD DATA:

Flash Point:
Not Applicable

Extinguishing Media:
Not combustible. Use extinguishing method suitable for surrounding fire.

Special Fire Fighting Procedures:
Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards:
Not combustible.

Hazardous Decomposition Materials (Under Fire Conditions)
Carbon dioxide

6. *ACCIDENTAL RELEASE MEASURES*

Evacuation Procedures and Safety:
Ventilate closed spaces before entering. Wear appropriate protective gear for situation. See Personal Protection information in Section 8.

Containment of Spill:
Follow procedure described below under Cleanup and Disposal of Spill.

Cleanup and Disposal of Spill:
Scrape up and place in appropriate closed container (see Section 7: Handling and Storage). Collect washings for disposal. Decontaminate tools and equipment following cleanup. Clean up residual material by washing area with water. Avoid creation of dusty conditions.

Environmental and Regulatory Reporting:
Do not flush to drain. If spilled on the ground, the affected area should be scraped clean placed in an appropriate container for disposal. Prevent material form entering public sewer system or any waterways. Large spills should be handled according to a predetermined plan. For assistance in developing a plan contact with the Technical Service Department using the Product Information phone number in Section 1.

7. *HANDLING AND STORAGE*

Minimum/Maximum Storage Temperatures:
Not Available

Handling
Do not get in eyes. Do not breathe dusts. Avoid direct or prolonged contact with skin.

Storage
Store in an area that is cool, dry, well-ventilated.

8. *EXPOSURE CONTROLS/PERSONAL PROTECTION*

Introductory Remarks:
These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure Guidelines:
Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (AGGIH, OSHA and other) apply to this material, where, if indicated, S=skin and C=ceiling limit:

PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRACTION

	Notes	TWA	STEL
OSHA		5 mg / cu m^3	NA

Engineering Controls:
Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures.

Respiratory Protection:
When respirators re required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations.

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by OSHA / ANSI: Air-purifying (half-mask / full-face) respirator with cartridges / canister approved for use against dusts, mists and fumes.

8. *EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)*

Eye / Face Protection:
Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Skin Protection:
Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls:
Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. *PHYSICAL AND CHEMICAL PROPERTIES*

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

Physical Appearance:
White granules solid.

Odor:
Odorless

9. *PHYSICAL AND CHEMICAL PROPERTIES (Continued)*

pH:
11.3 at 1 wt / wt %

Specific Gravity:
2.53 at 20°C (68 F)

Water Solubility:
Soluble
7 Wt / Wt % at 25°C (77 F)

Melting Point Range:
851°C (1564 F)

Boiling Point Range:
Not Available

Vapor Density:
Not Available

Molecular Weight:
105.99

10. *STABILITY AND REACTIVITY*

Chemical Stability:
This material is stable under normal handling and storage conditions described in Section 7.

Conditions To Be Avoided:
Extreme Heat; Hygroscopic; protect from moisture. Mixing of acid and sodium carbonate solutions could cause CO_2 evolution.

Materials / Chemicals To Be Avoided:
Aluminum
Fluorine
Humid Air
Moisture
Sulfuric Acid
Acids
Magnesium
Phosphorus Pentoxide

Continued on Next Page

10. *STABILITY AND REACTIVITY (Continued)*

Decomposition Temperature Range:
400°C (752 F)

The Following Hazardous Decomposition Products Might Be Expected:
Decomposition Type: Thermal
Carbon Dioxide

Hazardous Polymerization Will Not Occur.
Avoid The Following To Inhibit Hazardous Polymerization:
Not Applicable

11. *TOXICOLOGICAL INFORMATION source http://www.cdc.gov/niosh/rtecs/vz3dcc50.html*

Acute Eye Irritation:
Toxicological Information and Interpretation
Eye - Eye Irritation, 25 mg/Kg, Rabbit.
Severely Irritating; Muscle contraction or spasticity.

Acute Skin Irritation:
Toxicological Information and Interpretation
Skin – 500 mg/24 hour Skin Irritation, Rabbit.
Mildly Irritating.

Acute Dermal Toxicity:
LD_{50}. Rabbit: >2000 mg/kg

Acute Inhalation Toxicity:
Toxicological Information and Interpretation
LC_{50} - Lethal Concentration. 50% Of Test Species, 2300 mg/cu m/2hr, rat.

Acute Oral Toxicity:
Toxicological Information and Interpretation
LD_{50} - Lethal Dose 50% Of Test Species, 4090 mg/kg, rat.

11. *TOXICOLOGICAL INFORMATION (Continued)*

Chronic Toxicity:
This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

No additional test data found for product.

12. *ECOLOGICAL INFORMATION*

Ecotoxicological Information:
No data found for product.

Chemical Fate Information:
No data found for product.

13. *DISPOSAL CONSIDERATIONS*

Waste Disposal Method:
Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different form federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container Handling and Disposal:
Rinse containers before disposal.

EPA Hazardous Waste - NO

14. *TRANSPORTATON INFORMATION*

Transportation Status:
US Department of Transportation

DOT Shipping Name:
NOT REGULATED

15. *REGULATORY INFORMATION*

FEDERAL REGULATIONS

TSCA Inventory Status:
All ingredients of this product are listed on the TSCA Inventory.

SARA Title III Hazard Classes:

Fire Hazard	- NO
Reactive Hazard	- NO
Release of Pressure	- NO
Acute Health Hazard	- YES
Chronic Health Hazard	- NO

STATE REGULATONS:
This product does not contain any components that are regulated under California Proposition 65.

16. *OTHER INFORMATION*

National Fire Protection Association Hazard Ratings - NFPA(R):
2 Health Hazard Rating - - Moderate
0 Flammability Rating - - Minimal
0 Reactivity Rating - - Minimal

National Paint & Coating Hazardous Materials Identification System - HMIS(R):
2 Health Hazard Rating - - Moderate
0 Flammability Rating - - Minimal
0 Reactivity Rating - - Minimal

Certified to ANSI/NSF 60 – Soda Ash Dense Bulk: This product is certified ANSI/NSF 60 when used in treatment of drinking water at maximum dosage of 100 mg/L.

Reason for Revisions:
Change and / or addition made to Section 1, 2, 11 and 16.

SODA ASH (SODIUM CARBONATE, ANHYDROUS)

Material Safety Data Sheet Date Prepared: 1/31/06 Supersedes Date: 6/01/04

16. *OTHER INFORMATION (Continued)*

CANADIAN WHMIS REGULATIONS

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS: H=2 F=0 R=0

Key Legend Information:

NAV	- Not Available
NAP	- Not Applicable
ND	- Not Determined
ACGIH	- American Conference of Governmental Industrial Hygienists
OSHA	- Occupational Safety and Health Administration
TLV	- Threshold Limit Value
PEL	- Permissible Exposure Limit
TWA	- Time Weighted Average
STEL	- Short Term Exposure Limit
NTP	- National Toxicology Program
IARC	- International Agency for Research on Cancer
WHMIS	- Workplace Hazardous Materials Information System

Disclaimer:
The information herein is given in good faith but no warranty, expressed or implied, is made.

End of Page 11 of 11 ***End of MSDS Document***

Enterprise Products 2101
Prof # 2101

EPAHO105000494

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/13/2007**

Dear **Lanny Riggs**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2101

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)
Address: 1200 North Broadway
LaPorte, TX 77571

Waste Information

Name of Waste: Nonhazardous fire fighting foam
TCEQ Waste Code #: 11041011
Container Type:
Detailed Description of Process Generating Waste:
Out-dated, unused fire fighting foam
Color: clear, amber **Odor:** weak **pH:** 8.5
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Enterprise Products Operating, L.P. (Morgans Point Facilty)		
Address:	1200 North Broadway		
City, State, Zip:	Laporte, TX 77571-3031		
Contact:	Lanny Riggs	**Title:**	Operations Supervisor
Phone No:	281-470-4949	**Fax No:**	281-470-5856
24/hr Phone:	713-208-4766		
U.S. EPA I.D. No:	TXD008084238		
State I.D.	30282	**SIC Code:**	na

SECTION 2: Billing Information – ☐ Same as Above

Company:	Enterprise Products Operating, (Morgans Point Facility)		
Address:	PO Box 573		
City, State, Zip:	Mont Belvieu, TX 77580-0573		
Contact:	Lanny Riggs	**Title:**	Operations Supervisor
Phone No:	281-470-4949	**Fax No:**	281-470-5856

SECTION 3: General Description of the Waste

Name of Waste: Non hazardous Fire Fighting Foam
Detailed Description of Process Generating Waste: out dated, unused fire fighting foam

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: clear, amber colored **Odor:** weak

Specific Gravity (water=1): 1.03 **Density:** 8.34 lbs/gal

Layers: ☒ **Single-phase** ☐ **Multi-phase**

Container Type: ☒ **Drum** ☐ **Tote** ☐ **Truck** ☐ **Other (explain)**
Container Size: 55 gal ____ ____ ____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☒ **Yearly**
Number of Units (containers): 5 **Other:** ____
Texas State Waste Code No: 11041011
Proper U.S. DOT Shipping Name: Non RCRA Non DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point NA	**pH** ~~7-11~~ 8.5	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0%
Oil&Grease ~~0mg/l~~ >1500	**TOC** ~~0mg/l~~ >1500	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

Mar 12 07 04:11p Lanny Riggs 2814705856 p.1

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Unused, out dated fire fighting foam	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Lanny Riggs **Date:** 3-9-07

Printed Name/Title: Lanny Riggs

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert Thagard Date: 3-12-07 (Approved) Rejected Approval Number: 2101	$50.00/drum / $250/min IL

Mar 12 07 04:11p Lanny Riggs 2814705856 p.2

EPAHO105000497

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

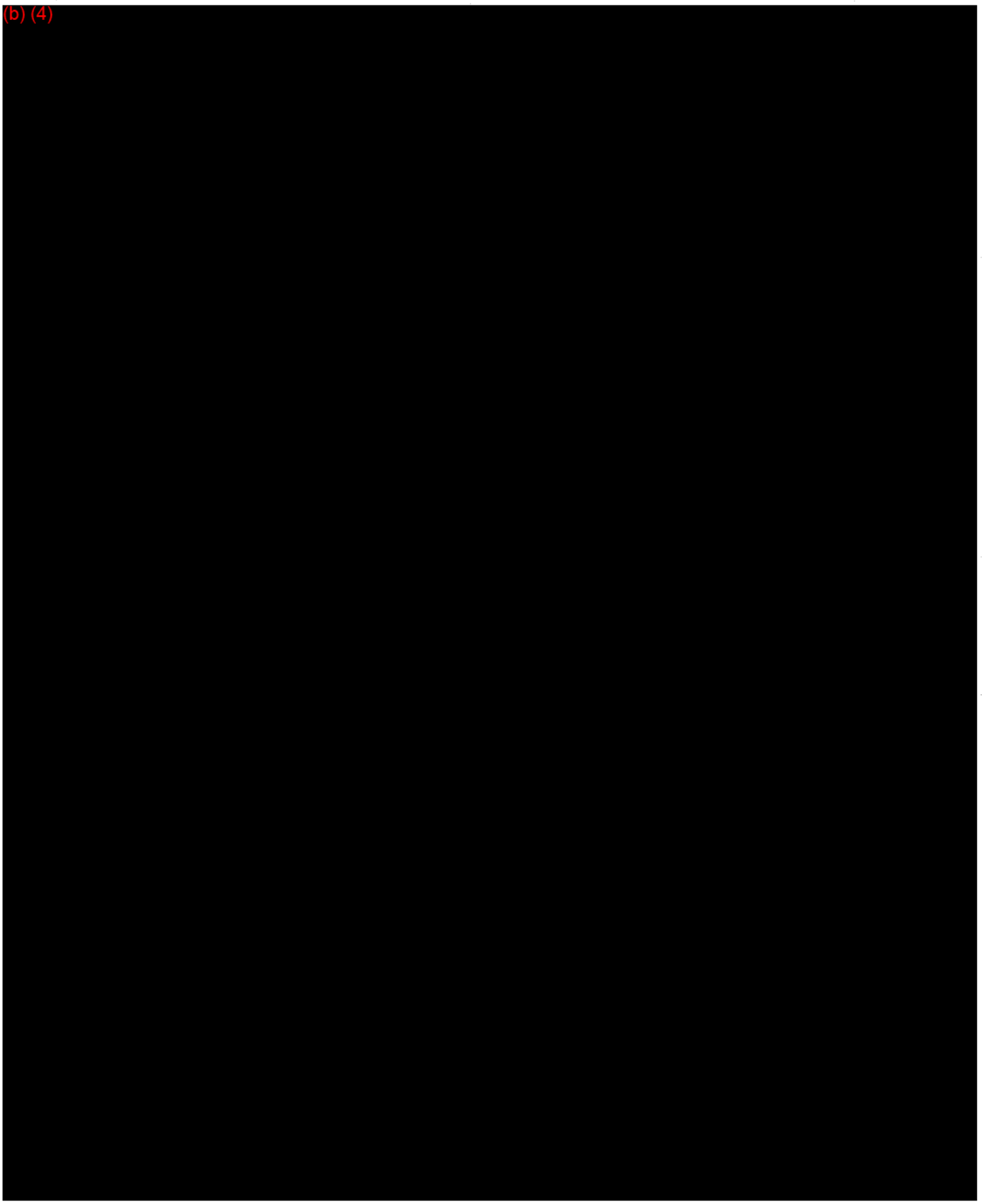
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

MATERIAL SAFETY
DATA SHEET

3M
3M Center
St. Paul, Minnesota
55144-1000
1-800-364-3577 or (651) 737-6501 (24 hours)

(b) (4)

[redacted]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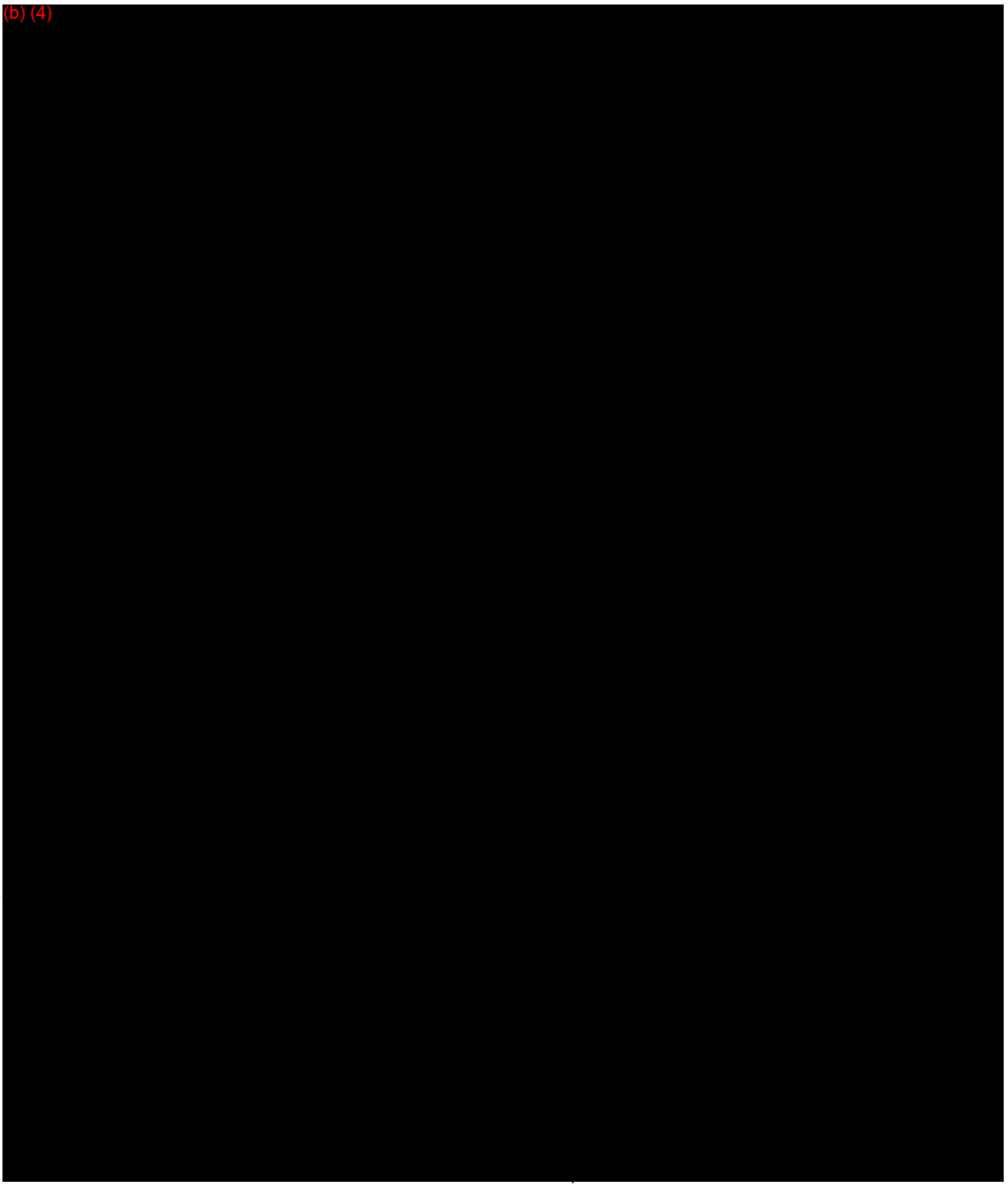

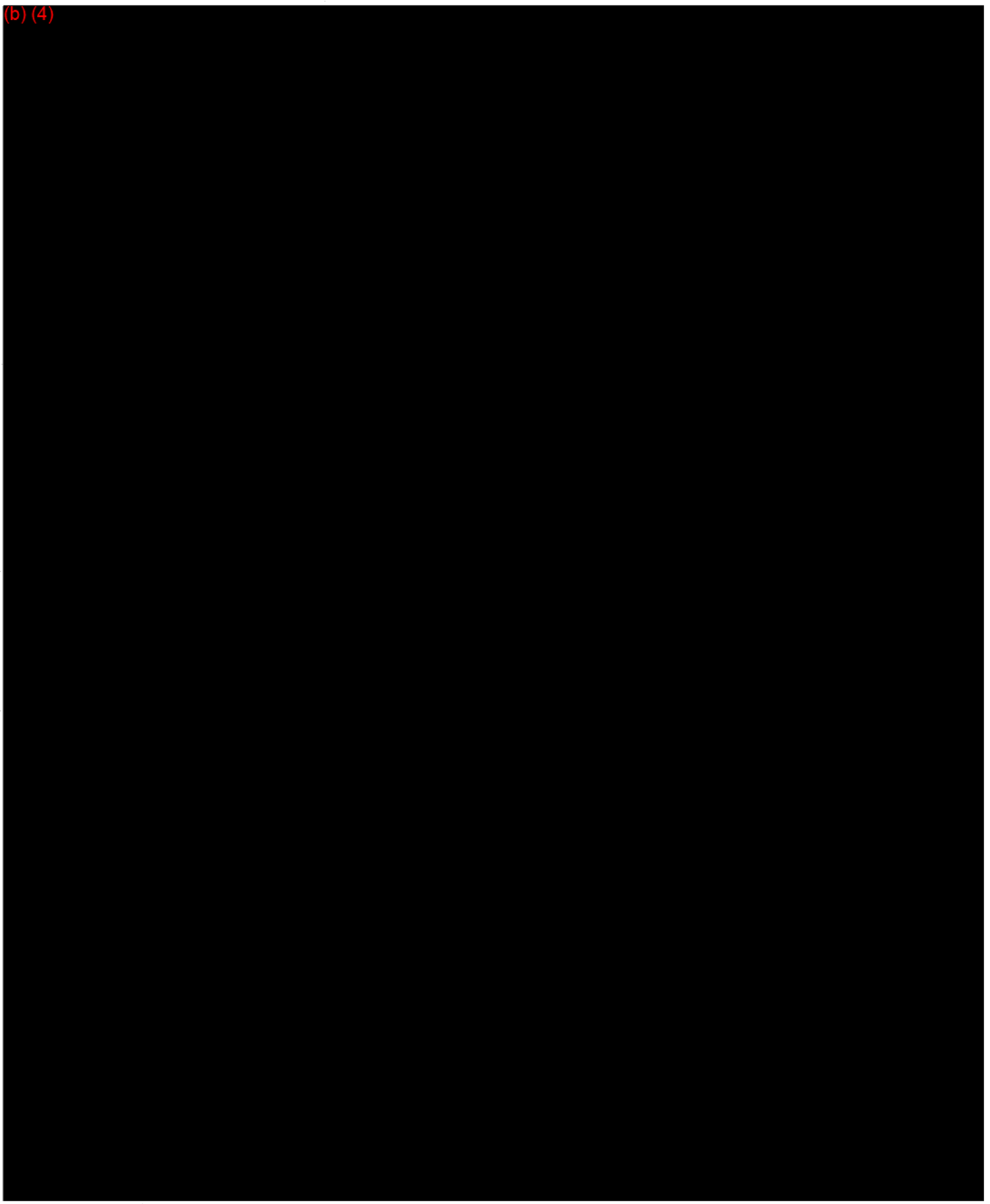
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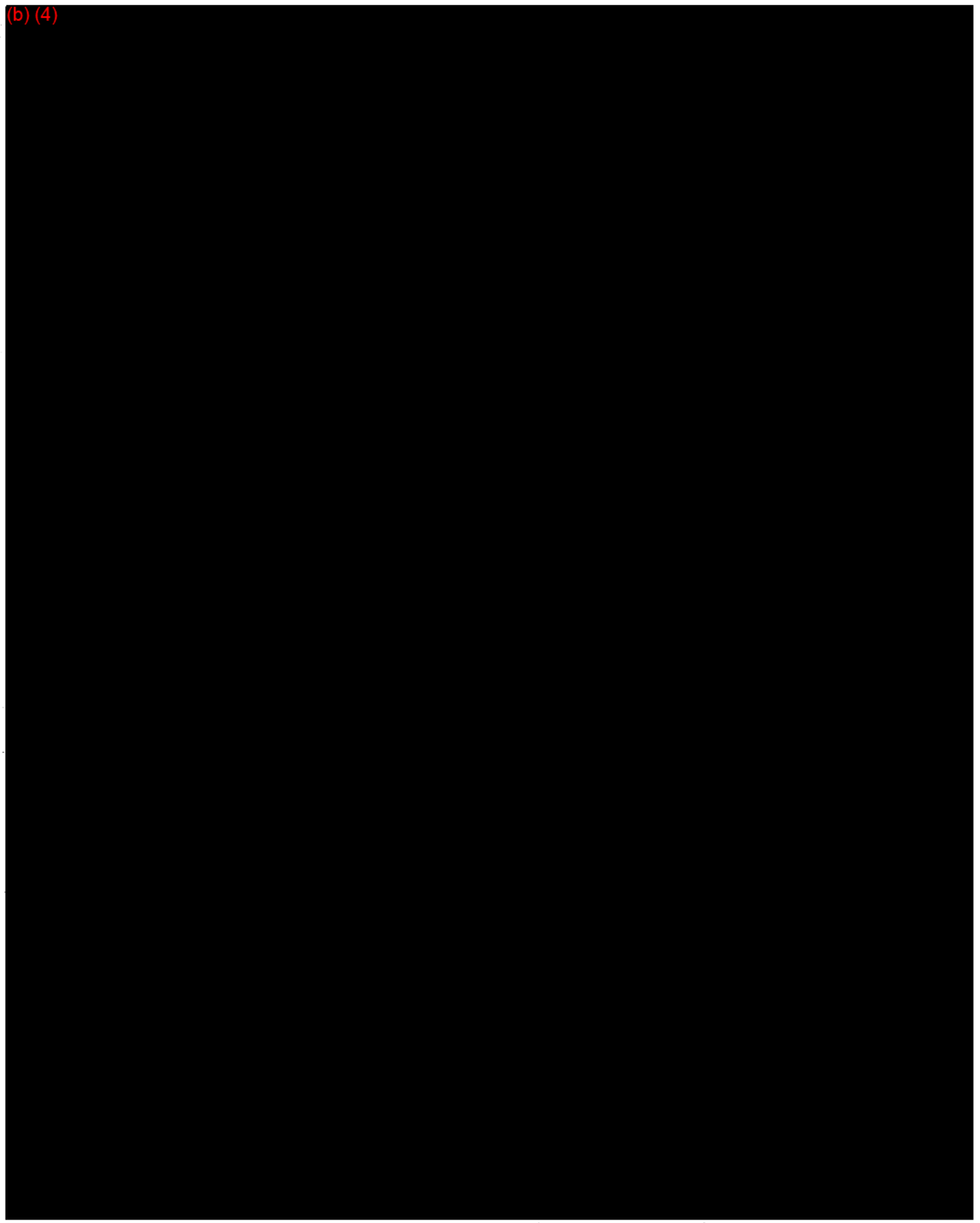

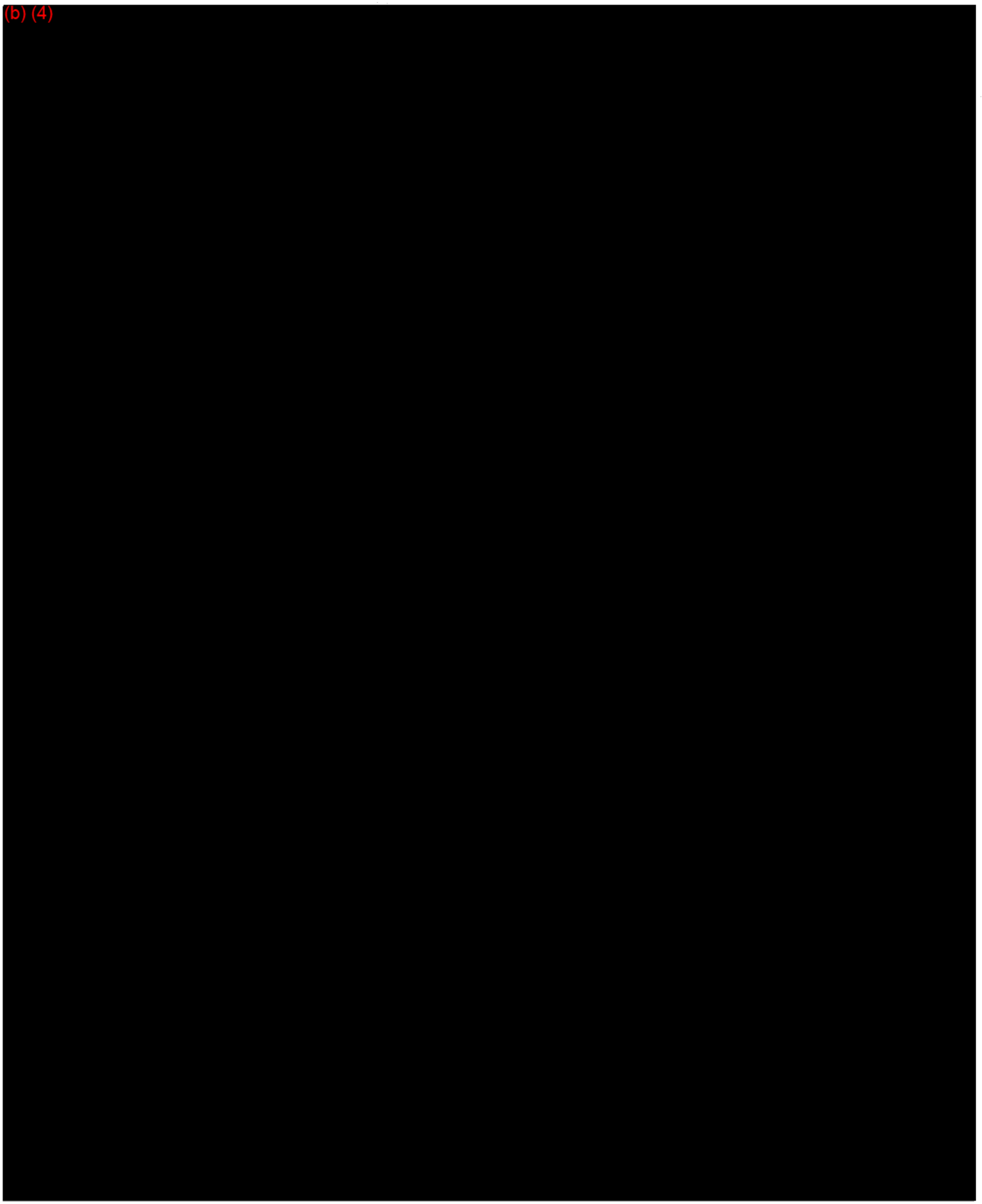
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2102

K Solv @ Beckat
Prof # 2102

EPAHO105000505

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/14/2007**

Dear **Jason**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2102

Generator: K Solv @Beckat Oil and Fuel
Address: 12426 Hwy 64 W
Tylelr, TX 75704

Waste Information

Name of Waste: Off-spec caustic soda 50% product
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Off-spec product from the clean up of trailer rool over
Color: clear **Odor:** none **pH:** >12.5
Physical State:
Incompatibilities: water, strong acids, metals, and organic material
Safety Related Data/Special Handling:
plastic gloves, long sleeves, hard hat, safety glasses

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road **Houston, TX 77021**
Phone: (713) 676-1460 **Fax: (713) 676-1676**
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	K Solv @ Beckat Oil and Fuel		
Address:	12426 Hwy 64W		
City, State, Zip:	Tyler TX 75704		
Contact:	Jason	**Title:**	
Phone No:	903-596-7707	**Fax No:**	
24/hr Phone:	903-596-7707		
U.S. EPA I.D. No:	CESQG		
State I.D.	CESQ	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: off spec caustic soda 50% product
Detailed Description of Process Generating Waste: off spec product from the clean up of trailer roll over

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: clear **Odor:** none

Specific Gravity (water=1): 1.525 **Density:** 8-9 lbs/gal

Layers: ☒ **Single-phase** ☐ **Multi-phase**

Container Type:	☐ **Drum**	☐ **Tote**	☒ **Truck**	☐ **Other (explain)**
Container Size:			5000 gal	

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☐ **Yearly**

Number of Units (containers): 3600 gal **Other:** one time

Texas State Waste Code No: Sodium Hydroxide Product

Proper U.S. DOT Shipping Name: Sodium Hydroxide Solution

Class: 8 **UN/NA:** UN1824 **PG:** II **RQ:** 1000 lbs

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
na	>12.5	0mg/l	0mg/l	0%

Oil&Grease	TOC	Zinc	Copper	Nickel
0mg/l	0mg/l	0mg/l	0mg/l	0mg/l

EPAHO105000507

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Sodium Hydroxide	50	%
Water	50	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
plastic gloves, long sleeves, hard hat, safety glasses

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
water, strong acids, metals and organic material

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** _____

Printed Name/Title: None needed - Product

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: [signature] Date: 3-14-07 Approved / Rejected Approval Number: 2102	Product

EPAHO105000508

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000509

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000510

CAUSTIC SODA 50% (All Grades)

Material Safety Data Sheet

Emergency 24 Hour Telephone: CHEMTREC 800.424.9300

Corporate Headquarters: Hasa Inc.
23119 Drayton Street
Saugus, California 91350
Telephone • 661.259.5848
Fax • 661.259.1538

IDENTIFICATION OF PRODUCT	
Product Name:	Caustic Soda 50% (All Grades)
Product Synonym(s) Common Chemical Names:	Sodium Hydroxide Solution. See Miscellaneous Selection for all grades covered by this MSDS.
Chemical Names of Ingredients [>1.0% by weight]:	See Below.
Chemical Family:	Alkali
Chemical Formula:	NaOH
Chemical Name:	Sodium Hydroxide
Product Use:	Neutralizing agent; Degreasing agent

COMPOSITION/INFORMATION ON INGREDIENTS			
Ingredient Name	**CAS Registry Number**	**Typical Wt. %**	**OSHA**
Sodium Hydroxide	1310-73-2	50%	Y
Water	7732-18-5	50%	N

The substance (s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Communications Standard (29 CFR 1910.1200)
This material is classified as hazardous under Federal OSHA regulation.
The components of this product are all on the TSCA inventory list.

HAZARDS IDENTIFICATION	
Emergency Overview:	Water white, clear to slightly turbid liquid. Essentially odorless.
DANGER!	CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS. MAY CAUSE BLINDNESS. CAUSE SEVERE DIGESTIVE TRACT BURNS. EVEN DILUTE SOLUTIONS MAY CAUSE BURNS.

EPAHO105000511

STABILITY AND REACTIVITY	
Stability:	This material is chemically stable under normal and anticipated storage and handling conditions.
Incompatibility:	Contact with water releases heat, which can result in violent boiling and spattering. Avoid strong acids, metals and organic material such as chlorinated hydrocarbons.
Hazardous Decomposition Products:	Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminum. Hydrogen gas can result in explosive hazards in confined spaces.

TOXICOLOGICAL INFORMATION

Data on this material and/or a similar material are summarized below.
Sodium Hydroxide Single exposure (acute) studies indicate that this material is slightly toxic to rabbits if absorbed through skin (LD 50 1,350 mg/Kg for dry material), and corrosive to rabbit eyes and skin. Many publications in the scientific literature confirm the severely irritating properties of acute and short-term exposure to this material in humans and animals and discuss toxic effects (such as a death, eye damage or changes in lung morphology), which are probably related to the corrosive properties of this compound. Inhalation of unmeasured concentrations 30 minutes per day for 2.5 months resulted in lung damage in rats. A rodent drinking water study at 1% (duration unknown) was reported to result in "nervous symptoms" and growth retardation. Growth was unaffected in this same study at 0.5 %, but no conceptions occurred. No tumors were seen in any longer term animal studies. This material produced no generic charges in standard tests using bacterial cells.

No significant increases in mortality in relation to duration or intensity of exposures were reported in an epidemiologic study of a small group of workers exposed to caustic dusts for 30 years or more. Massive ingestion of this material has been implicated as causing esophageal cancer. Squamous cell carcinomas of the esophagus occurred approximately 12-42 years later in individuals who survived accidental childhood ingestion and are likely due to the tissue destruction and possible scarring of the esophagus rather than a direct effect of this material.

ECOLOGICAL INFORMATION	
Ecotoxicological Information:	Data on this material and/or a similar material are summarized below. Sodium Hydroxide. Data from several species of fish showed a range of tolerance (brook trout > spotfin and Lake Emerald shiners > minnows > mosquitofish > goldfish) that was most likely related to changes in the pH produced by addition of this material to the water. The minimum lethal concentration for minnows, Mayfly larvae and Daphnia was 100 ppm and for Chironomus larvae, 700 ppm.
Chemical Fate Information:	Data on this material and/or a similar material are summarized below. Sodium Hydroxide: No Data were available, but this material is a strong alkali that easily dissolves in water with resulting acid/base chemistry.

DISPOSAL CONSIDERATIONS	
Waste Disposal:	Consul with environmental engineer or professional to determine of neutralization is appropriate and for handling procedures for residual material. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulation.

EPAHO105000512

HANDLING AND STORAGE	
Handling:	Do not get in eyes, or skin or on clothing. Do not breathe mist. Keep container closed. Use only with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions always add caustic to water when mixing. Never add water to a caustic when mixing. Heat water to 80-100 F before adding product. Add small amounts of product slowly and evenly over single addition. Water should not exceed 160° F during addition.
Storage:	Do NOT store near strong acids.

EXPOSURE CONTROLS/ PERSONAL PROTECTION	
Engineering Controls:	Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). Dilution ventilation acceptable, but local mechanical exhaust ventilation preferred, if practical, at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. Monitor carbon monoxide and oxygen levels in tank and enclosed spaces.
Eye/ Face Protection:	Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye-flushing equipment immediately available.
Skin Protection:	Natural rubber or Polyvinyl chloride gloves should be worn when handling this material. Wear chemical goggles, a face shield, and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing promptly and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash skin thoroughly after handling.
Respiratory Protection:	Avoid breathing vapor or mist. Use NIOSSH approved respiratory protection equipment appropriate to the material and/ or its components when airborne exposure limits are exceeded (see below). Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full-face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR & 1910.134
Other Protective Equipment:	Rubber boots, Rubber suit or Apron, Chemical resistant protective clothing.

Airborne Exposure Guidelines for Ingredients:	
Exposure Limit	**Value**
Sodium Hydroxide	
ACGIH STEL	2 mg/m3
OSHA TWA PEL	2 mg/m3
- Only those components with exposure limits are printed in this section. - Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitative exposure. Measures to prevent significant cutaneous absorption may be required.	

PHYSICAL AND CHEMICAL PROPERTIES			
Appearance:	Water white, clear to slightly turbid liquid.	**Melting Point:**	NA
Odor:	Essentially odorless	**Freezing Point:**	-12° C (54° F)
pH:	NE	**Boiling Point:**	142° C (288° F)
Specific Gravity:	1.525 @ 20° C (Avg.)	**Solubility in Water:**	Complete
Vapor Pressure:	1.6 @ 20 C0	**Percent Volatile:**	50
Vapor Density:	NA	**Molecular Weight:**	40.01 (Dry Basis)

EPAHO105000513

TRANSPORT INFORMATION	
DOT Name:	Sodium Hydroxide Solution
DOT Hazard Class:	8
UN Number:	UN 1824
DOT Packing Group:	PG II
RQ:	1000 lbs
DOT Special Information:	Tank Trucks: Corrosive Placards Tank Cars: Placarded Corrosive

REGULATORY INFORMATION			
Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)			
Immediate (Acute) Health:	Yes	Fire:	No
Delayed Chronic Health:	No	Reactive:	No
Sudden Release of Pressure:	No		
The components of this product are all on the TSCA inventory list.			

Ingredient Related Regulatory Information:

SARA Reportable Quantities	CERCLA RQ	SARA TPQ
Sodium Hydroxide	1000 Lbs.	
Water	NE	

Massachusetts Right to know
This product does contain the following chemical (s), as indicated below, currently on the Massachusetts Right-to-Know Substances List.
Sodium Hydroxide

New Jersey Right to know
This product does contain the following chemical (s), as indicated below, currently on the New Jersey Right-to-Know Substances List.
Sodium Hydroxide

Pennsylvania Environmental Hazard
This product does contain the following chemical (s), as indicate below, currently on the Pennsylvania Environmental Hazard List.
Sodium Hydroxide.

Pennsylvania Right to Know
This product does contain the following chemical (s), as indicated below, currently on the Pennsylvania Hazardous Substance List.
Sodium Hydroxide.

OTHER INFORMATION		
Revision Information		
Revision Date	08.01.2001	Revision Number 1
Supercedes Revision Dated	07.20.1999	
Revision Summary	Initial Entry into 16 section format	
Key: NE = Not Established	NA = Not Applicable	(R) Registered Trademark

EPAHO105000514

Miscellaneous
NOTE: Toxic carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and cause death.

This MSDS covers the following grades:
50% Membrane Grade
50% High Purity Membrane Grade
50% Rayon Grade
50% Standard Grade
50% Chemical Grade
50% Bleach Grade
50% With Additive

Please Note: The information contained herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge and belief. NO WARRANTY OR GUARANTEE, expressed or implied, is made regarding the product performance, product stability, or as to any other condition of use, handling, transportation, and storage. Customer use, handling, transportation, and storage may involve additional safety and/or performance considerations. Our technical personnel will be happy to respond to questions regarding safe handling, storage, transportation and use procedures. The safe handling, storage, transportation and use procedures remain the sole responsibility of the customer. No suggestions for handling, storage, transportation or use are intended as or to be construed as recommendations which may infringe on any existing patents or violate any Federal, State, and/or local law and/or regulation, ordinance, standard, etc.. This Material Safety Data Sheet has been prepared by HASA, Inc. staff from test reports and other information available in the public domain.

Oxychem - Natural Ga~~s~~ 2103

Prof ~~#~~ 2103

EPAHO10500516

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/15/2007**

Dear **Robby Meriovsky**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2103

Generator: Oxychem-Natural Gas Odorizing
Address: 3601 Decker
Baytown, TX 77522

Waste Information

Name of Waste: Therminol 66 oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Therminol 66 oil
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: OxyChem - Natural Gas Odorizing
Address: 3601 ~~Baytown~~ DECKER
City, State, Zip: Baytown, TX 77522
Contact: Paul Green Title: EH&S
Phone No: Fax No:
24/hr Phone:
U.S. EPA I.D. No:
State I.D. SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: SELECT ENVIRONMENTAL
Address: 223 McCARTY ST.
City, State, Zip: HOUSTON, TX 77029
Contact: Robby Mersiovsky Title: SALES REP.
Phone No: 713-675-7376 Fax No: 713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: THERMINOL 66 OIL
Detailed Description of Process Generating Waste: ____

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: DARK Odor: Hydrocarbon

Specific Gravity (water=1): .90 Density: 7.5 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 5000 ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 2 Other: ____
Texas State Waste Code No: N/A - RECYCLE
Proper U.S. DOT Shipping Name: NON DOT REGULATED OIL
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	3-11	0 mg/l	0 mg/l	0-1 %

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

EPAHO105000518

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Therminol 66 oil	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
See attached C/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] As Agent for generator **Date:** 3/9/07

Printed Name/Title: Robby Merriman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: [signature] Date: 3-15-07 (Approved) Rejected Approval Number: 2103	pay $0.40/gal; Needs to be blended at least 1 to 1 with other recovered oil.

EPAHO105000519

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste _____
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000520

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000521

FP #	290100	290101	290102	290103
Sample Name	Primary HOS	R1 HOS	R4 HOS	R3 HOS
Arsenic (ppm)	1.21	1.4	1.2	1.08
Cadmium (ppm)	0	0	0	0
Chromium (ppm)	0.13	0.17	0.13	0
Lead (ppm)	0.64	0	0	0
Sulfur (ppm)	35.4	72.25	369.1	1468
Vanadium (ppm)	0.08	0	0	0
Halogens (ppm)	6	7	6	6

Indicates process contamination

6500 gals. Therminol 66 Oil

Call me with questions 713-882-7740.

I do have a sample.

Tolly

pay $.40/gal

Vanco Repair Center 2104
Prof # 2104

EPAHO105000523

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/19/2007**

Dear **Craig Taylor**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2104

Generator: Varco Repair Center
Address: 5900 Brittmoore Rd
Houston, TX 77041

Waste Information

Name of Waste: Non-RCRA grit and sump waste
TCEQ Waste Code #: CESQ1191
Container Type:
Detailed Description of Process Generating Waste:
Removal of water, dirt, and oil from a test pit area to pressure test wellhead valves.
Color: dark **Odor:** slight **pH:** 6-8
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Varco Repair Center		
Address:	5900 Brittmoore Rd.		
City, State, Zip:	Houston, Tx 77041		
Contact:	Craig [redacted] Taylor CT	Title:	Supervisor
Phone No:	832-309-9803	Fax No:	281-847-0102
24/hr Phone:	832-309-9803		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	SIC Code:	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		Title:	
Phone No:		Fax No:	

SECTION 3: General Description of the Waste

Name of Waste: Non-RCRA Grit and Sump Waste
Detailed Description of Process Generating Waste: Removal of water, dirt, and oil from a test pit area to pressure test wellhead valves.

Physical State: ☒ Liquid ☒ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: Dark Odor: Slight

Specific Gravity (water=1): 1-1.3 Density: 9-10 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 Gal

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-25 Other:
Texas State Waste Code No: CESQ1191
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Grit and Sump Waste
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH 6-8	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 5-95%
Oil&Grease >1500mg/l	TOC Namg/l	Zinc Namg/l	Copper Namg/l	Nickel Namg/l

EPAHO105000525

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	5-50	%
Oil	0-5	%
Dirt, Sand, Grit	5-95	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
~~Generator has not changed process.~~ Analysis from process which has not changed

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ____
TCLP Volatiles: ____
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Craig Taylor **Date:** 3-13-07

Printed Name/Title: CRAIG ~~Coleman~~ TAYLOR CT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Robert Maycock Date: 3-13-07 (Approved) Rejected Approval Number: 2104	IL

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☒ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000527

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcateg

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentratio of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine thes concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000528

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

CES Environmental Services

Certificate of Analysis Number:

02120108

Report To: CES Environmental Services
Matt Bowman
4904 Griggs Rd.,

Houston
TX
77021-
ph: (713) 676-1460 fax: (713) 676-1676

Fax To:

Project Name: Wood Group Drilling
Site: Houston, TX
Site Address:

PO Number:
State: Texas
State Cert. No.:
Date Reported: 12/10/02

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
ump Sludge / Oil Water Separator	02120108-01	Sludge	12/4/02 9:45:00 AM	12/4/02 3:45:00 PM	173124	☐

Dean A. Joiner

ean Joiner
oject Manager

12/10/02
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

12/10/02 5:20:11 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: Sump Sludge / Oil Water Separator **Collected:** 12/04/2002 9:45 **SPL Sample ID:** 02120108-01

Site: Houston, TX

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
TCLP MERCURY				**MCL**	**SW7470A**		**Units: mg/L**		
Mercury	ND		0.0002	0.2	1		12/06/02 14:26	R_T	1419247

Prep Method	Prep Date	Prep Initials	Leach Method	Leachate Date	Leach Initials
SW7470A	12/06/2002 8:00	R_T	SW1311	12/04/2002 11:31	LM

TCLP METALS BY METHOD 6010B				MCL	SW6010B	Units: mg/L		
Arsenic	ND		0.2	5	2	12/09/02 23:16	JS	1422265
Barium	3.5		1	100	2	12/09/02 23:16	JS	1422265
Cadmium	0.0234		0.01	1	2	12/09/02 23:16	JS	1422265
Chromium	0.0203		0.02	5	2	12/09/02 23:16	JS	1422265
Lead	ND		0.1	5	2	12/09/02 23:16	JS	1422265
Selenium	ND		0.2	1	2	12/09/02 23:16	JS	1422265
Silver	ND		0.02	5	2	12/09/02 23:16	JS	1422265

Prep Method	Prep Date	Prep Initials	Leach Method	Leachate Date	Leach Initials
SW3010A	12/09/2002 8:00	MW	SW1311	12/04/2002 11:31	LM

TCLP VOLATILE ORGANICS				MCL	SW8260B	Units: ug/L		
1,1-Dichloroethene	ND		50	700	10	12/06/02 18:58	LT	1420983
1,2-Dichloroethane	ND		50	500	10	12/06/02 18:58	LT	1420983
2-Butanone	ND		200	200000	10	12/06/02 18:58	LT	1420983
Benzene	ND		50	500	10	12/06/02 18:58	LT	1420983
Carbon tetrachloride	ND		50	500	10	12/06/02 18:58	LT	1420983
Chlorobenzene	ND		50	100000	10	12/06/02 18:58	LT	1420983
Chloroform	ND		50	6000	10	12/06/02 18:58	LT	1420983
Tetrachloroethene	ND		50	700	10	12/06/02 18:58	LT	1420983
Trichloroethene	ND		50	500	10	12/06/02 18:58	LT	1420983
Vinyl chloride	ND		100	200	10	12/06/02 18:58	LT	1420983
Surr: 1,2-Dichloroethane-d4	96.0	%	62-130		10	12/06/02 18:58	LT	1420983
Surr: 4-Bromofluorobenzene	96.0	%	70-130		10	12/06/02 18:58	LT	1420983
Surr: Toluene-d8	100	%	74-122		10	12/06/02 18:58	LT	1420983

Leach Method	Leachate Date	Leach Initials
SW1311	12/04/2002 16:12	LM

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

EPAHO105000530

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 173124

page 1 of 1

Client Name: CES Environmental

Address/Phone: 4904 Griggs Rd 713 676 1460

Client Contact: Matt Bowman

Project Name: Wood Group Drilling

Project Number:

Project Location: Houston, TX

Invoice To: CES Environmental

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=other:)	bottle (P=plastic A=amber glass G=glass V=vial)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other:)	Number of Containers	Requested Analysis: TCLP Volatiles	Requested Analysis: TCLP 11 Metals
Sump study of oil water separator	12-4-02	9:45AM	X		SL	G	1	NONE	1	X	X

Client/Consultant Remarks:

Laboratory remarks:

Intact? Y N

Temp:

Requested TAT

24hr ☐ 72hr ☐

48hr ☐ Standard ☐

Other ☒ 5 calendar days

Special Reporting Requirements: Fax Results ☒ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Matt Bowman	12-4-02	3:20PM	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901 ☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

EPAHO10500531

2105 South Coast Terminals (Wallisville)
Prof # 2105

EPAHO10500532

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/19/2007**

Dear **Darryl Poe**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2105

Generator: South Coast Terminals (Wallisville)
Address: 7401 Wallisville Rd.
Houston, TX 77020

Waste Information

Name of Waste: Slop oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Slop oil from production and packaging of oil additives.
Color: darkk **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

MB

SECTION 1: Generator Information

Company: South Coast Terminals
Address: 7401 Wallisville Rd.
City, State, Zip: Houston, TX 77020
Contact: Daryl Poe Title: EHS Manager
Phone No: 713-672-2401 Fax No:
24/hr Phone: 713-672-2401
U.S. EPA I.D. No: N/A
State I.D. N/A SIC Code: N/A

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Slop Oil
Detailed Description of Process Generating Waste: Slop oils from production & packaging of oil additives

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Dark Odor: Hydrocarbon

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 6000 ____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 2 Other: ____
Texas State Waste Code No: RECYCLE
Proper U.S. DOT Shipping Name: Non DOT Regulated Material
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	3-11	NA mg/l	NA mg/l	0-2 %

Oil&Grease	TOC	Zinc	Copper	Nickel
>15 mg/l	NA mg/l	NA mg/l	NA mg/l	NA mg/l

EPAHO105000534

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
SLOP OILS (MOTOR OIL, BASE OIL)	90-100	%
WATER	0-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
STANDARD PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
NONE

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
NONE KNOWN

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity:
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on [X] generator knowledge and/or [ ] analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A - REP MUST SIGN _____ **Date:** ____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robert Thayer Date: 3-19-07 (Approved) Rejected Approval Number: 2105	**Process Facility Information:** PAY SOUTH COAST $0.55/gal. RUN BS+W & FILL OUT INBOUND REPORT.

EPAHO105000535

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000536

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000537

2107 Enterprise Products Operating
Prof # 2107

EPAHO10500538

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/20/2007**

Dear **Mike Tomerlin**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2107

Generator: Enterprise Products Operating, L.P.
Address: 10207 FM 1942, Attn: Rachel Wheaton
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Oily water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Compressor oil and water from oil leaking from machines.
Color: brown **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road **Houston, TX 77021**
Phone: (713) 676-1460 **Fax: (713) 676-1676**
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Enterprise Products Operating, LP		
Address:	10207 FM 1942		
City, State, Zip:	Mont Belvieu, TX 77580		
Contact:	Mike Tomerlin	**Title:**	Environmental Manager
Phone No:	281-385-4200	**Fax No:**	281-385-4532
24/hr Phone:	281-385-4200		
U.S. EPA I.D. No:	TXT490013455		
State I.D.	31038	**SIC Code:**	2869

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Oily Water
Detailed Description of Process Generating Waste: Compressor oil and water from oil leaking from machines.

Physical State: ☒ **Liquid** ☐ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: Brown **Odor:** Hydrocarbon

Specific Gravity (water=1): 1 **Density:** 8.34 lbs/gal

Layers: ☐ **Single-phase** ☒ **Multi-phase**

Container Type:	☒	**Drum**	☐ **Tote**	☐	**Truck**	☐	**Other (explain)**
Container Size:		55					

Frequency: ☐ **Weekly** ☒ **Monthly** ☐ **Quarterly** ☐ **Yearly**
Number of Units (containers): 30 **Other:**
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Non DOT regulated oil and water mixture
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>160	3-11	N/Amg/l	N/Amg/l	0-2%

Oil&Grease	TOC	Zinc	Copper	Nickel
N/Amg/l	N/Amg/l	N/Amg/l	N/Amg/l	N/Amg/l

EPAHO105000540

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Compressor Oil	2-10	%
Water	90-98	%
Dirt/Sand	0-1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Mike Tomerlin **Date:** 3/16/07

Printed Name/Title: Mike Tomerlin / Field Env. Lead.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Barbara Rangel Date: 3-20-07 (Approved) Rejected Approval Number: 2107	REC

EPAHO105000541

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000542

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000543

Gulf Baypoint Chemicals 2108
Prof # 2108

EPAHO105000544

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/20/2007**

Dear **Mike Stephens**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2108

Generator: Gulf Bayport Chemicals
Address: 9700 Bayport Blvd.
Pasadena, TX 77507

Waste Information

Name of Waste: TPH contaminated soil
TCEQ Waste Code #: 20104891
Container Type: 20 yd roll-off box
Detailed Description of Process Generating Waste:
Soil contaminated with hydraulic fluid and diesel fuel from ruptured tank and line of a ro off truck
Color: brown **Odor:** diesel like **pH:** neutral
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

202

SECTION 1: Generator Information

Company:	~~CES Environmental Services~~ @ Gulf Bayport Chemicals, L.P.		
Address:	9700 Bayport Blvd.		
City, State, Zip:	Pasadena, TX 77507		
Contact:	John Wilson or Craig Moss	**Title:**	Managers
Phone No:	281-291-2346	**Fax No:**	281-291-2345
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD084970169		
State I.D.	31409	**SIC Code:**	2869

SECTION 2: Billing Information – ☐ Same as Above

Company:	CES Environmental Services		
Address:	4904 Griggs Road		
City, State, Zip:	Houston, TX 77021		
Contact:	Gary Brauckman	**Title:**	Account Manager
Phone No:	713-676-1460	**Fax No:**	713-676-1676

SECTION 3: General Description of the Waste

Name of Waste: TPH Contaminated Soil
Detailed Description of Process Generating Waste: Soil contaminated with hydraulic fluid and diesel fuel from ruptured tank and line of a roll-off truck

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: brown **Odor:** diesel like

Specific Gravity (water=1): 1.4 **Density:** 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: ____ ____ ____ 20 yd

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1 **Other:** one-time
Texas State Waste Code No: 20104891
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >150	**pH** neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 100%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

Sent By: GULF BAYPORT CHEMICALS L P; 2814749188; Mar-20-07 13:58; Page 2

EPAHO105000546

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Dirt and rocks with diesel fuel and hydraulic fluid	95-100	%
PPE	0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: John Wilson **Date:** 3/20/2007

Printed Name/Title: John Wilson/Safety, Health, and Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information:

Date: 3-20-07 (Approved) Rejected IS

Approval Number: 2018

Sent By: GULF BAYPORT CHEMICALS L P; 2814749188; Mar-20-07 13:59; Page 3/5

EPAHO105000547

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

Sent By: GULF BAYPORT CHEMICALS L P; 2814749188; Mar-20-07 13:59; Page 4/5

EPAHO105000548

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Sent By: GULF BAYPORT CHEMICALS L P; 2814749188; Mar-20-07 13:59; Page 5/5

EPAHO105000549

2109BC Briandd (Blue Ridge)
Prof # 2109

EPAHO105000550

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/21/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2109

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: Ultra carb 5
TCEQ Waste Code #: CESQ3192
Container Type: pallet
Detailed Description of Process Generating Waste:
Unused / out of date material
Color: white to gray **Odor:** none **pH:** nd
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

DB

2109

SECTION 1: Generator Information

Company: IBC-Brinadd
Address: 6035 McHard Street
City, State, Zip: Houston, TX 77053
Contact: Rick Warnock Title: Oper. mgr
Phone No: 713-664-4911 Fax No: 713-664-6128
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CNG Services
Address: 10107 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: Office mgr.
Phone No: 936-483-3662 Fax No: 936-483-3624

SECTION 3: General Description of the Waste

Name of Waste: UltraCarb 5
Detailed Description of Process Generating Waste: Unused/outdated material

Physical State: ☐ Liquid ☐ Sludge ☒ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: White to Gray Odor: None

Specific Gravity (water=1): ~~2.7~~ NA Density: NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Pallets
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1/2 Other: ____
Texas State Waste Code No: CESQ3142
Proper U.S. DOT Shipping Name: Not Regulated
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/D	N/D	~~mg/l~~	~~mg/l~~	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
~~mg/l~~	~~mg/l~~	~~mg/l~~	~~mg/l~~	~~mg/l~~

EPAHO105000552

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Calcium Carbonate	95-99	%
Magnesium Carbonate	1-2	%
Crystalline Silica	.01-1.5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: /
TCLP Volatiles: /
TCLP Semi-Volatiles: /
Reactivity: /
Corrosivity: /
Ignitability: /

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 2/17/07

Printed Name/Title: Lee McKeough Agent for TDC

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Mangum

Date: 3-21-07 (Approved) Rejected

Approval Number: 2109

Additional Information: _____

IS

EPAHO105000553

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000554

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000555

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

Product: Ultracarb 2 Ultracarb 5 Revision: 2
Ultracarb 8 Ultracarb 10 Ultracarb
12 Ultracarb 20 Ultracarb 30

Product Code: 6280; 6281; 6282; Issue Date: 6/16/2000
6283; 6284; 6285; 6076

U.S. DEPARTMENT OF LABOR, Occupational Safety and Health Administration Form Approved OMB No. 1218-0072, may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

SECTION I - PRODUCT IDENTITY

(As used on label and list)

ULTRACARB 2, ULTRACARB 5, ULTRACARB 8, ULTRACARB 10, ULTRACRB 12, ULTRACARB 20, ULTRACARB 30

CAS # 471-34-1

EMERGENCY TELEPHONE NUMBER: (713) 664-4911
INFORMATION TELEPHONE NUMBER: (713) 877-2769

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMMON NAME	OSHA PEL-TWA	ACGIH TLV-TWA	OTHER RECOMMENDED LIMITS	%
Calcium Carbonate	15 mg/m^3 total 5 mg/m^3 respirable	10 mg/m^3		98 - 99
Magnesium Carbonate	Not established	Not established	OSHA: 15 mg/m^3 (as PNOR total dust) ; 5 mg/m^3 (as PNOR respirable fraction) ACGIH: 10 mg/m^3 (as PNOC inhalable dust) ; 3 mg/m^3 (as PNOC respirable fraction)	1 - 2
Crystalline Silica	$\frac{10 \text{ mg/m}^3}{\%SiO_2 + 2}$ for respirable	0.1 mg/m^3		0.01 - 1.5

	30 mg/m^3 for total %SiO_2 + 2 *100% SiO_2 = 0.1 mg/m^3*			

PNOR = Particulate not otherwise regulated
PNOC = Particulate not otherwise classified

The calcium carbonate in these products may contain crystalline silica at levels between 0.01 % and 1.5 % and varies naturally.

There are also small but detectable amounts of the following other naturally occurring chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm. This warning is provided in the absence of definitive testing to prove that these risks do not exist. These amounts are typical quantities and may vary slightly with different lots.

Chemical	Typical Amount	CAS Number
Arsenic	less than 1 ppm	7440-38-2
Lead	less than 1 ppm	7439-92-1

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Specific Gravity (H2O = 1): 2.71

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (AIR = 1): N/A

Evaporation Rate (Butyl Acetate = 1): N/A

Appearance and Odor: White to gray powder

Solubility in Water: Negligible

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Non Flammable

Flammable Limits:

LEL: N/A
UEL: N/A

Extinguishing Media: As appropriate for surrounding area.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None Known

Incompatibility (Materials to Avoid): Reacts with strong acids to liberate carbon dioxide.

EPAHO105000557

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will Not Occur

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:

Eye	Yes
Inhalation	Yes
Skin	No
Ingestion	Yes

Carcinogenicity:

ULTRACARB 2, ULTRACARB 5, ULTRACARB 8, ULTRACARB 10, ULTRACARB 12, ULTRACARB 20, and ULTRACARB 30 are not on the NTP (National Toxicology Program), IARC (International Agency for Research on Cancer), or OSHA (Occupational Safety and Health Administration) lists of carcinogens. Crystalline Silica (CAS 14808-60-7), a trace component of calcium carbonate, has been listed by the IARC as carcinogenic to humans (Class 1).

NTP	Yes*
IARC Monographs	Yes*
OSHA Regulated	Yes*

*crystalline silica

Medical Conditions Generally Aggravated by Exposure: No Information

Emergency and First Aid Procedures:

Ingestion:
Ingestion should not cause any significant health problems.

Inhalation:
May cause nose and throat irritation. Remove to fresh air. Seek medical attention if irritation persists.

Skin Contact:
May cause dryness to skin. Wash with mild soap and water.

Eye Contact:
May cause irritation and redness. Flush with water for at least 15 minutes. If irritation persists, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:
Mechanical cleanup for reuse or disposal. Respiratory protection should be worn during clean up to protect from airborne dust. Measures should be taken to reduce airborne dust during clean up.

Waste Disposal Method:

Dispose of in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing: None

Other Procedures: None

SECTION VIII - CONTROL MEASURES

Respiratory Protection: If regulatory limits (see Section II) are exceeded, an appropriate NIOSH/MSHA approved respirator with particulate cartridges should be worn (in compliance with 29 CFR 1910.134).

Ventilation: Local exhaust as required to maintain dust levels below exposure limits.

Protective Gloves: Standard work gloves.

Eye Protection: Goggles.

Other Protective Clothing or Equipment: None.

SECTION IX - REGULATORY INFORMATION

All Components on TSCA Inventory:	Yes
DOT Shipping Name:	Not Applicable
DOT Hazard Class:	Not Regulated
DOT Labels:	None
UN Number:	Not Applicable
DOT Marine Pollutant:	Not Listed
Ozone Depleting Substance:	Not Listed

HMIS Code:
Health: 1*
Flammability: 0
Reactivity: 0
*May affect lung function, avoid exposure to high levels of dust.

PPE Code: E: Safety Glasses (goggles), Gloves, Dust respirator

Schedule B Number: 2836.50.0000

SECTION X - LEGEND INFORMATION

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
TLV - Threshold Limit Value
PEL - Permissible Exposure Limit
TWA - Time Weighted Average
STEL - Short Term Exposure Limit
NTP - National Toxicology Program
IARC - International Agency for Research on Cancer
N/A - Not Applicable
N/D - Not Determined

SECTION XI - REVISIONS

June 16, 2000 Rev 2 1.) Supercedes January 12, 1999 Rev 1

EPAHO105000559

2.) Update of all information

DISCLAIMER: The information herein is given in good faith but no warranty, expressed or implied, is made.

EPAHO105000560

TBC Brianadd 2110
Prof # 2110

EPAHO105000561

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/22/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2110

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: Ultra carb 5
TCEQ Waste Code #: CESQ3192
Container Type: pallet
Detailed Description of Process Generating Waste:
Unused / ou of date material
Color: white **Odor:** faint **pH:** na
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC Brinadd
Address: 5035 McHard
City, State, Zip: Houston, TX 77053
Contact: Rick Warmack Title: Oper. mgr
Phone No: 713-664-4911 Fax No: 713-664-6123
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CKB Services
Address: 16707 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: Office mgr
Phone No: 936-453-3662 Fax No: 936-453-3074

SECTION 3: General Description of the Waste

Name of Waste: Plug-salx
Detailed Description of Process Generating Waste: Unused/out of date material

Physical State: ☐ Liquid ☐ Sludge ☒ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: white Odor: NA faint

Specific Gravity (water=1): 2.165 Density: N/A lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Pallet
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1 Other: ____
Texas State Waste Code No: CESQ3192
Proper U.S. DOT Shipping Name: Not regulated
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	N/D	0 mg/l	0 mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
0 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO105000563

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Plug Sol x	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:
TCLP Volatiles:
TCLP Semi-Volatiles:
Reactivity:
Corrosivity:
Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ~~ability~~ to determine that no deliberate or willful omissions of composition properties exist and that all known or ~~suspected~~ hazards have been disclosed. I certify that the materials tested are representative of all materials described by this ~~document~~.

Authorized Signature: _____ **Date:** _____

Printed Name/Title: Tom McKaughan (agent for TBC)

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 3-21-07 Approved Rejected 15

Approval Number: 2110

EPAHO105000564

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000565

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000566

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

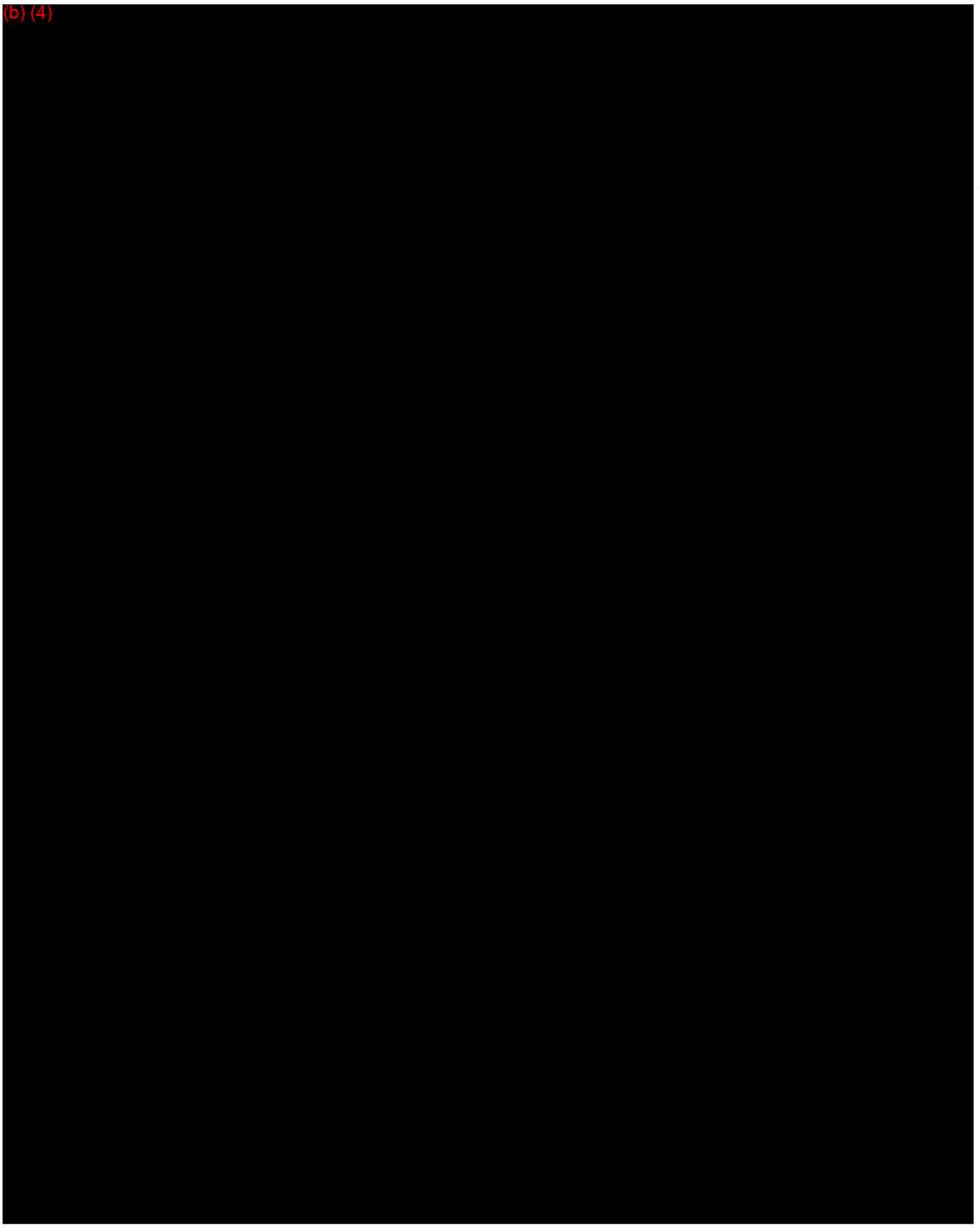
4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

(b) (4)

[redacted]

(b) (4)



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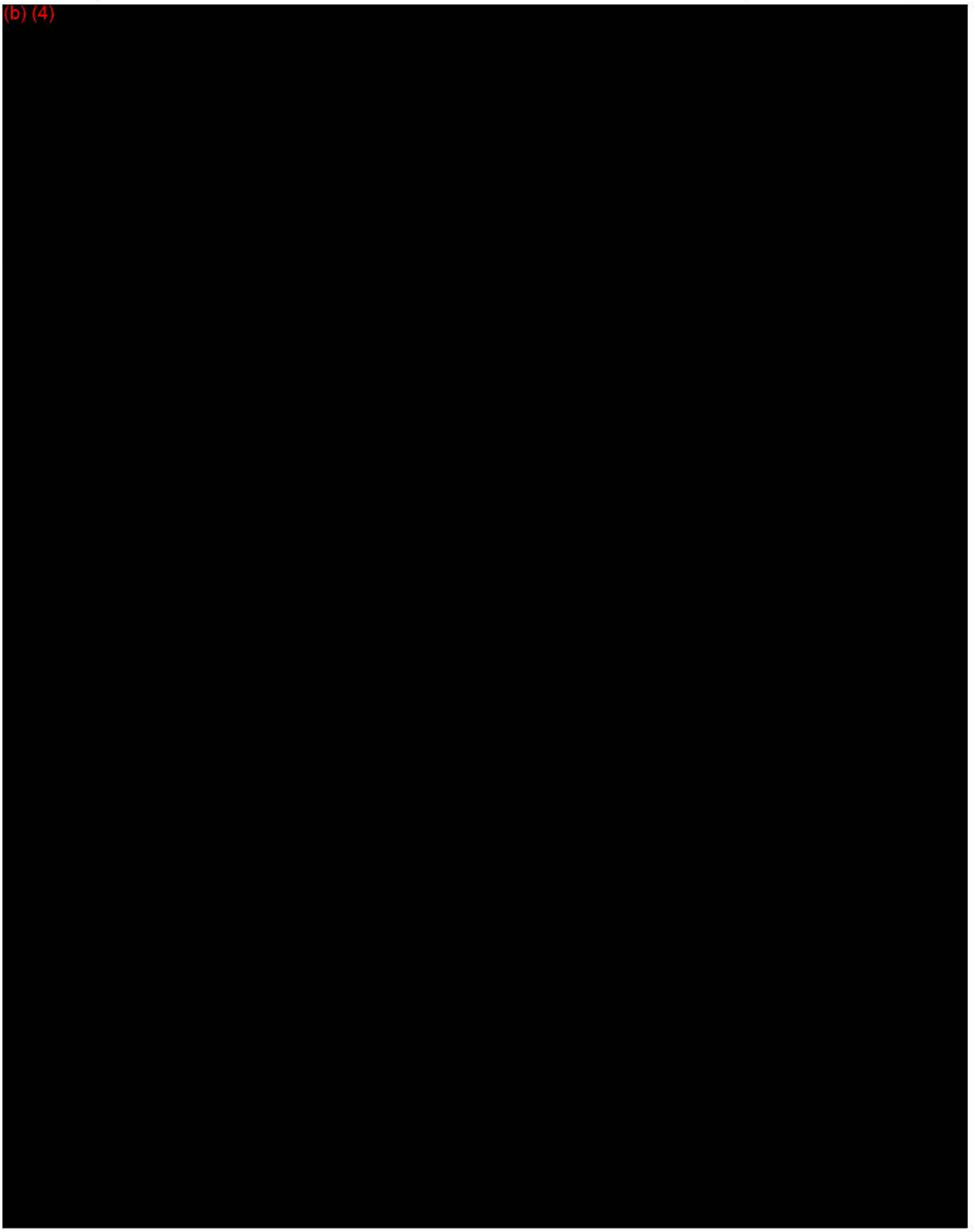

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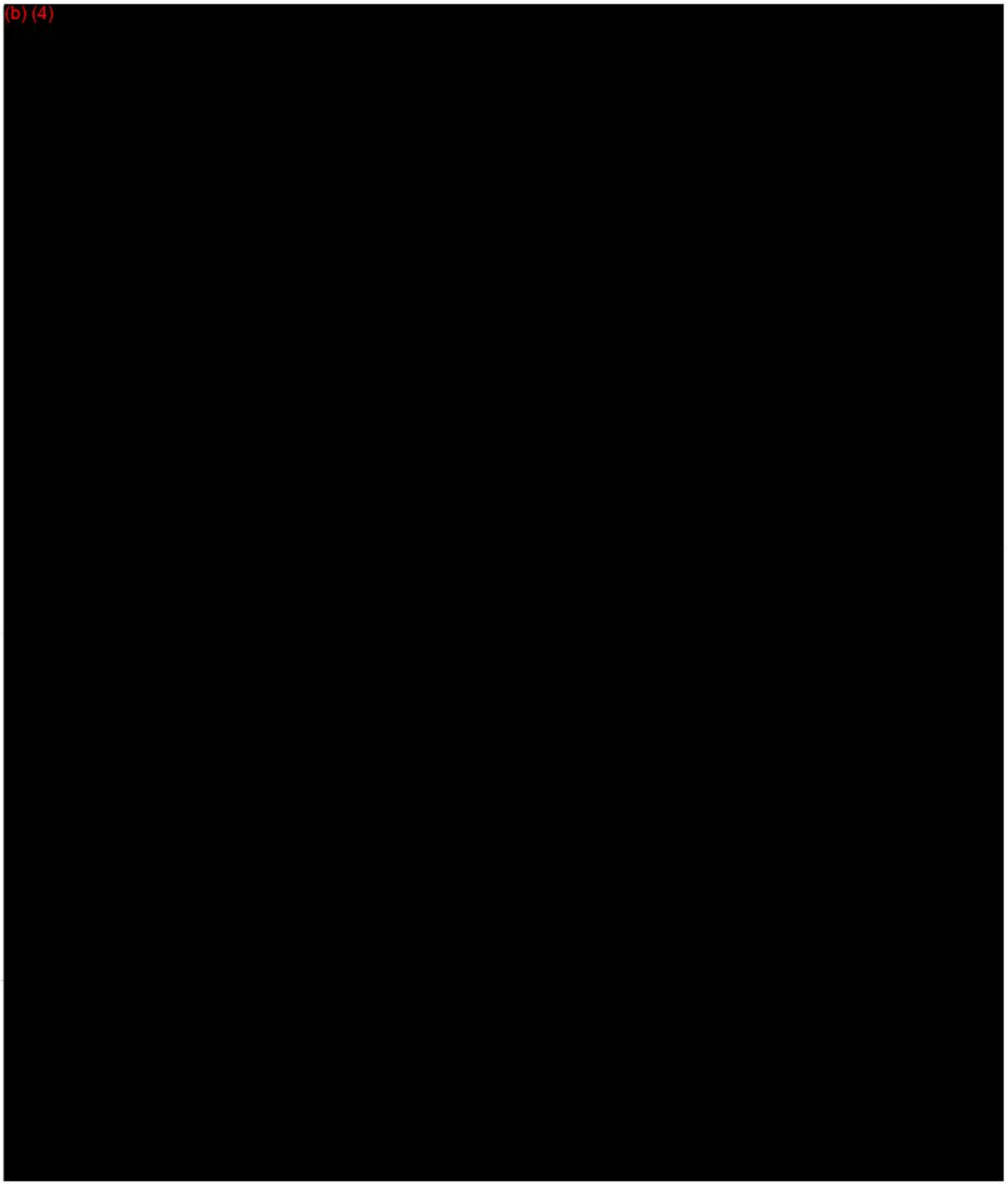
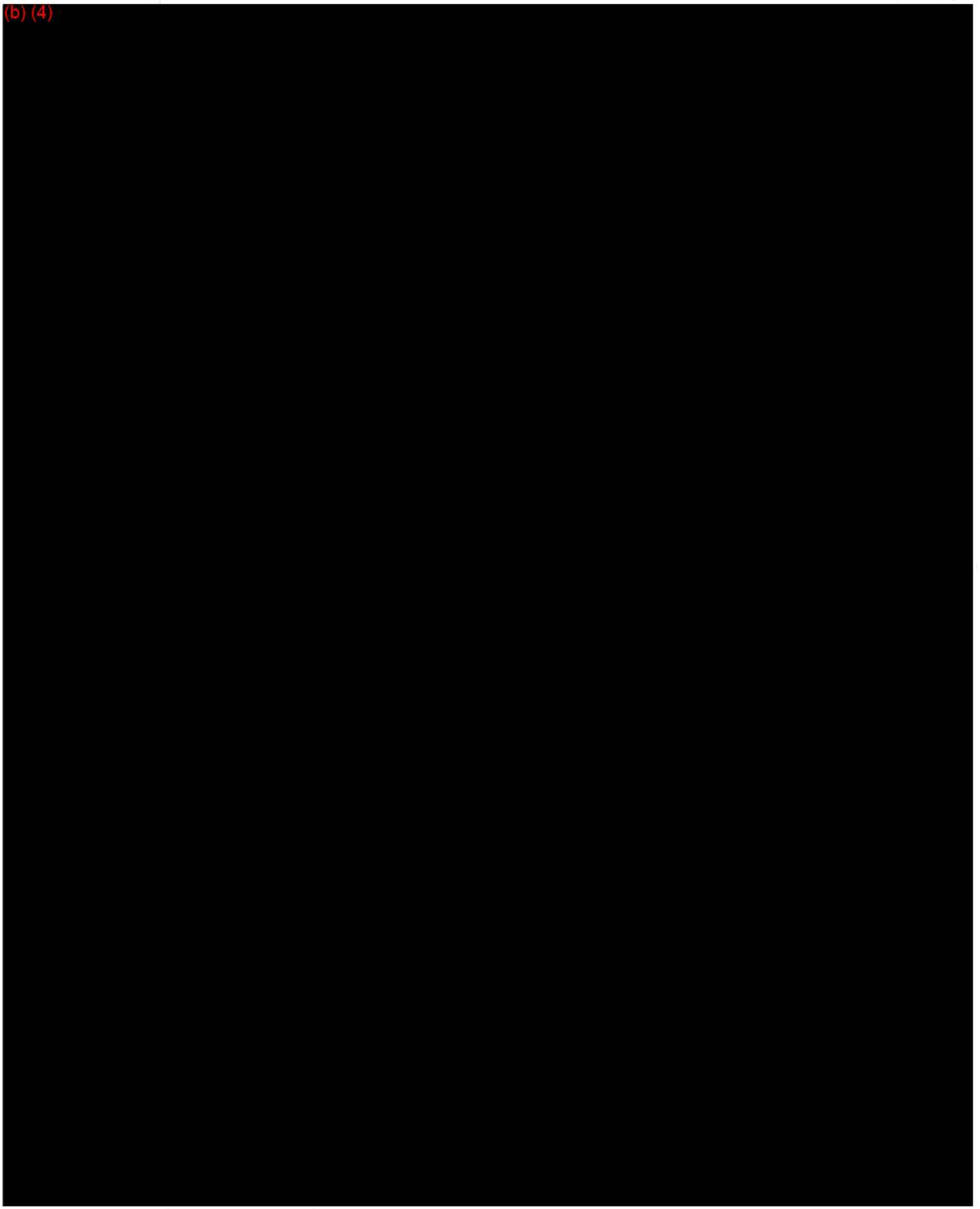


(b) (4)

[redacted]


(b) (4)

(b) (4)

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/26/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2110

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: Plug Salx
TCEQ Waste Code #: CESQ3192
Container Type: pallet
Detailed Description of Process Generating Waste:
Unused / ou of date material
Color: white **Odor:** faint **pH:** na
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

2111 TBC Briancadd
Prof # 2111

EPAHO105000575

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/21/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2111

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: Ultra carb 12
TCEQ Waste Code #: CESQ3192
Container Type: pallet
Detailed Description of Process Generating Waste:
Unused / out of date material
Color: white to grey **Odor:** none **pH:** nd
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com 211
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC-Brinadd
Address: 5035 Method Street
City, State, Zip: Houston, TX 77023
Contact: Rick Leachnack Title: Oper. mgr.
Phone No: 713-664-4911 Fax No: 713-664-6128
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CHG Services
Address: 10707 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: Office mgr.
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Ultra Carb 12
Detailed Description of Process Generating Waste: Unused/outofdate material

Physical State: ☐ Liquid ☐ Sludge ☒ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: White to Gray Odor: None

Specific Gravity (water=1): ~~2.11~~ NA Density: NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Pallets
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 12 Other: ____
Texas State Waste Code No: CESQ 3192
Proper U.S. DOT Shipping Name: Not Regulated
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/D	N/D	mg/l	mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
mg/l	mg/l	mg/l	mg/l	mg/l

EPAHO105000577

The waste consists of the following materials	Ranges are acceptable	or %
Calcium Carbonate	98-99	%
Magnesium Carbonate	1-0	%
Crystalline Silica	.01-1.5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: /
TCLP Volatiles: /
TCLP Semi-Volatiles: /
Reactivity: /
Corrosivity: /
Ignitability: /

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** 2/13/07

Printed Name/Title: Lee McLaughlin Agent For TBC

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Thompson

Date: 3-21-07 Approved Rejected

Approval Number: 2111

Additional Information: _____

IS

EPAHO105000578

SECTION 4: Physical and Chemical Data

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If "Yes", complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000580

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000581

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

Product: Ultracarb 2 Ultracarb 5 Revision: 2
Ultracarb 8 Ultracarb 10 Ultracarb
12 Ultracarb 20 Ultracarb 30

Product Code: 6280; 6281; 6282; Issue Date: 6/16/2000
6283; 6284; 6285; 6076

U.S. DEPARTMENT OF LABOR, Occupational Safety and Health Administration Form Approved OMB No. 1218-0072, may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

SECTION I - PRODUCT IDENTITY

(As used on label and list)

ULTRACARB 2, ULTRACARB 5, ULTRACARB 8, ULTRACARB 10, ULTRACRB 12, ULTRACARB 20, ULTRACARB 30

CAS # 471-34-1

EMERGENCY TELEPHONE NUMBER: (713) 664-4911
INFORMATION TELEPHONE NUMBER: (713) 877-2769

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMMON NAME	OSHA PEL-TWA	ACGIH TLV-TWA	OTHER RECOMMENDED LIMITS	%
Calcium Carbonate	15 mg/m^3 total 5 mg/m^3 respirable	10 mg/m^3		98 - 99
Magnesium Carbonate	Not established	Not established	OSHA: 15 mg/m^3 (as PNOR total dust) ; 5 mg/m^3 (as PNOR respirable fraction) ACGIH: 10 mg/m^3 (as PNOC inhalable dust) ; 3 mg/m^3 (as PNOC respirable fraction)	1 - 2
Crystalline Silica	10 mg/m^3 %SiO_2 + 2 for respirable	0.1 mg/m^3		0.01 - 1.5

	30 mg/m^3 for total %SiO_2 + 2 *100% SiO_2 = 0.1 mg/m^3*			

PNOR = Particulate not otherwise regulated
PNOC = Particulate not otherwise classified

The calcium carbonate in these products may contain crystalline silica at levels between 0.01 % and 1.5 % and varies naturally.

There are also small but detectable amounts of the following other naturally occurring chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm. This warning is provided in the absence of definitive testing to prove that these risks do not exist. These amounts are typical quantities and may vary slightly with different lots.

Chemical	Typical Amount	CAS Number
Arsenic	less than 1 ppm	7440-38-2
Lead	less than 1 ppm	7439-92-1

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Specific Gravity (H2O = 1): 2.71

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (AIR = 1): N/A

Evaporation Rate (Butyl Acetate = 1): N/A

Appearance and Odor: White to gray powder

Solubility in Water: Negligible

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Non Flammable

Flammable Limits:

LEL: N/A
UEL: N/A

Extinguishing Media: As appropriate for surrounding area.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None Known

Incompatibility (Materials to Avoid): Reacts with strong acids to liberate carbon dioxide.

EPAHO105000583

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will Not Occur

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:

Eye	Yes
Inhalation	Yes
Skin	No
Ingestion	Yes

Carcinogenicity:

ULTRACARB 2, ULTRACARB 5, ULTRACARB 8, ULTRACARB 10, ULTRACARB 12, ULTRACARB 20, and ULTRACARB 30 are not on the NTP (National Toxicology Program), IARC (International Agency for Research on Cancer), or OSHA (Occupational Safety and Health Administration) lists of carcinogens. Crystalline Silica (CAS 14808-60-7), a trace component of calcium carbonate, has been listed by the IARC as carcinogenic to humans (Class 1).

NTP	Yes*
IARC Monographs	Yes*
OSHA Regulated	Yes*

*crystalline silica

Medical Conditions Generally Aggravated by Exposure: No Information

Emergency and First Aid Procedures:

Ingestion:
Ingestion should not cause any significant health problems.

Inhalation:
May cause nose and throat irritation. Remove to fresh air. Seek medical attention if irritation persists.

Skin Contact:
May cause dryness to skin. Wash with mild soap and water.

Eye Contact:
May cause irritation and redness. Flush with water for at least 15 minutes. If irritation persists, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:
Mechanical cleanup for reuse or disposal. Respiratory protection should be worn during clean up to protect from airborne dust. Measures should be taken to reduce airborne dust during clean up.

Waste Disposal Method:

EPAHO105000584

Dispose of in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing: None

Other Procedures: None

SECTION VIII - CONTROL MEASURES

Respiratory Protection: If regulatory limits (see Section II) are exceeded, an appropriate NIOSH/MSHA approved respirator with particulate cartridges should be worn (in compliance with 29 CFR 1910.134).

Ventilation: Local exhaust as required to maintain dust levels below exposure limits.

Protective Gloves: Standard work gloves.

Eye Protection: Goggles.

Other Protective Clothing or Equipment: None.

SECTION IX - REGULATORY INFORMATION

All Components on TSCA Inventory:	Yes
DOT Shipping Name:	Not Applicable
DOT Hazard Class:	Not Regulated
DOT Labels:	None
UN Number:	Not Applicable
DOT Marine Pollutant:	Not Listed
Ozone Depleting Substance:	Not Listed

HMIS Code:
Health: 1*
Flammability: 0
Reactivity: 0
*May affect lung function, avoid exposure to high levels of dust.

PPE Code: E: Safety Glasses (goggles), Gloves, Dust respirator

Schedule B Number: 2836.50.0000

SECTION X - LEGEND INFORMATION

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
TLV - Threshold Limit Value
PEL - Permissible Exposure Limit
TWA - Time Weighted Average
STEL - Short Term Exposure Limit
NTP - National Toxicology Program
IARC - International Agency for Research on Cancer
N/A - Not Applicable
N/D - Not Determined

SECTION XI - REVISIONS

June 16, 2000 Rev 2 1.) Supercedes January 12, 1999 Rev 1

EPAHO105000585

2.) Update of all information

DISCLAIMER: The information herein is given in good faith but no warranty, expressed or implied, is made.

EPAHO105000586

2112 TBC Brianadd
Prof# 2112

EPAHO105000587

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/22/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2112

Generator: TBC Brianadd
Address: 235 Fariss St.
Houston, TX 77054

Waste Information

Name of Waste: BC - 200
TCEQ Waste Code #:
Container Type: 2 & 5 gal buckets
Detailed Description of Process Generating Waste:
Unused / out of date material
Color: tan **Odor:** hydrocarbon **pH:**
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

AB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC-Brinadd
Address: 235 Farris
City, State, Zip: Houston, TX 77054
Contact: Rick Warmack Title: oper mgr.
Phone No: 713-664-4911 Fax No: 713-664-6128
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CMG Services
Address: 10700 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: Office mgr
Phone No: 936-483-3662 Fax No: 936-483-3078

SECTION 3: General Description of the Waste

Name of Waste: BC-200
Detailed Description of Process Generating Waste: unused/out of date material

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: tan Odor: hydrocarbon

Specific Gravity (water=1): 1 Density: 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) 2gal buckets 5gal buckets
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 2gal-16 buckets Other: 5gal-76 buckets
Texas State Waste Code No: Recyclable
Proper U.S. DOT Shipping Name: Diesel Fuel Solution
Class: 3 UN/NA: NA-1993 PG: — RQ: —

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
148°F	N/D	___ mg/l	___ mg/l	___ %

Oil&Grease	TOC	Zinc	Copper	Nickel
___ mg/l	___ mg/l	___ mg/l	___ mg/l	___ mg/l

EPAHO105000589

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Hydrocarbon distillate	31-60	%
Quartz	<0.1	%
Butanol	<1.0	%
Petroleum Solvent	<1.0	%
Naphthalene	<1.0	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ∅
TCLP Volatiles: ∅
TCLP Semi-Volatiles: ∅
Reactivity: ∅
Corrosivity: ∅
Ignitability: ∅

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** _____

Printed Name/Title: Zac McKaughan (agent for TBC)

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 3-21-07 Approved Rejected

Approval Number: 2112

Additional Information: REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

***Metals Subcategory:* Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

***Oils Subcategory:* Subpart B**

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

***Organics Subcategory:* Subpart C**

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000591

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000592

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

Product: BC-200 **Revision: 5**
Product Code: Drum/6856; Bulk 6855 **Issue Date: 2/17/2006**

U.S. DEPARTMENT OF LABOR, Occupational Safety and Health Administration Form Approved OMB No. 1218-0072 may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

SECTION I - PRODUCT IDENTITY

BC-200

CAS #68476-34-6
CAS #64742-95-6
CAS #91-20-3
CAS #71-36-3
CAS #14808-60-7
Borate Salt Suspension

EMERGENCY TELEPHONE NUMBER: **(713) 664-4911**
INFORMATION TELEPHONE NUMBER: **(713) 877-2769**

SECTION II – HAZARDOUS INGREDIENTS

Hazardous Components (Specify Identity):

Common Name	OSHA PEL-TWA	ACGIH TLV-TWA	OTHER RECOMMENDED LIMITS	% Percent
Hydrocarbon distillate	Not established	Not established	200 ppm	31 - 60
Quartz	10 mg/m^3 for respirable $\%SiO_2 + 2$ 30 mg/m^3 for total $\%SiO_2 + 2$	0.1 mg/m3		< 0.1
Butanol	100 ppm	50 ppm (ceiling) *skin*		< 1.0

Petroleum solvent	Not established	Not established	100 ppm / 8hr workday	< 1.0
Naphthalene	10 ppm	10 ppm		< 1.0

PNOR = Particulate not otherwise regulated
PNOC = Particulate not otherwise classified

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/D

Specific Gravity (H 2O = 1): 1.22 - 1.24

Vapor Pressure (mm Hg.): N/D

Melting Point: N/D

Vapor Density (AIR = 1): N/D

Evaporation Rate (Butyl Acetate = 1): N/D

Appearance and Odor: Tan liquid with hydrocarbon odor

Solubility in Water: Moderate

Percent Volatile: 48

pH: N/D

Bulk Density: N/D

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 148 °F (PMCC)

Flammable Limits:

LEL: Not determined
UEL: Not determined

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide

Special Fire Fighting Procedures:

Use water spray to cool fire-exposed surfaces. Full protective clothing and NIOSH/MSHA approved self-contained breathing apparatus required for fire fighting personnel.

Unusual Fire and Explosion Hazards:

Keep heat, sparks and flame away. Produces toxic combustion products. Vapor is heavier than air and may travel considerable distance to source of ignition

EPAHO105000594

SECTION V – REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Keep away from heat, sparks and open flames

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents.

Hazardous Decomposition or Byproducts: Nitrogen oxides, carbon dioxide and/or carbon monoxide

Hazardous Polymerization: Will Not Occur

SECTION VI – HEALTH HAZARD DATA

Route(s) of Entry:

Eye	Yes
Inhalation	Yes
Skin	Yes
Ingestion	Yes

Carcinogenic Information:
BC200 is not listed as a potential carcinogen according to NTP, IARC, and OSHA.

NTP	Yes*
IARC	Yes**
OSHA	No

*naphthalene
**quartz

Medical Conditions Generally Aggravated by Exposure: May aggravate existing dermatitis.

Emergency and First Aid Procedures:

Ingestion: May cause nausea, vomiting, cramping, headache, coma or death. Do not induce vomiting. Consult a physician.

Inhalation: May cause headache, nausea, giddiness, and loss of consciousness. Remove to fresh air.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek prompt medical attention.

Chronic Effects:
Prolonged or repeated application of a similar product to the skin of lab laboratory mice without washing between applications resulted in increased incidence of skin tumors. It is suspected that tumors may be due in

EPAHO105000595

part to severely irritated continuous contact with the product.

SECTION VII – PREACAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:

Remove all ignition sources. Recover free liquid. Add absorbent (sand, earth, and sawdust), to spill area. Advise authorities if product has entered or may enter sewers, water courses or extensive land area.

Waste Disposal Method:

Use approved hazardous waste disposal site authorized under EPA-RCRA subtitle C or state equivalent.

Precautions to Be Taken in Handling and Storing:

Avoid contact with eyes, skin or clothing. Keep away from heat, sparks and open flame. Never use cutting torch on or near container (even empty) explosion may result. Do not reuse empty container. Launder clothes before reuse. Avoid breathing vapors or aerosols.

SECTION VIII - CONTROL MEASURES

Respiratory Protection:
Use appropriate NIOSH/MSHA approved respiratory equipment when exposure levels exceed the Permissible Exposure Limits (see Section II). (follow 29 CFR 1910.134)

Ventilation: Local exhaust sufficient. Use with adequate ventilation.

Protective Gloves. Use impervious rubber gloves.

Eye Protection: Use goggles and/or face shield.

Other Protective Clothing or Equipment: Recommended use of rubber apron to prevent direct skin contact.

SECTION IX - REGULATORY INFORMATION

All Components on TSCA Inventory: Yes

If shipping via air or sea, always comply with appropriate regulatory standards: IATA (International Air Transport Association), ICAO (International Civil Aviation Organization), and IMDG (International Maritime Organization).

DOT Shipping Name:	International = Exempted from the regulatory requirements Domestic bulk (>119 gal) = Diesel Fuel Solution Domestic drum = Exempted from the regulatory requirements
DOT Hazard Class:	International = Exempt from regulatory requirements Domestic bulk = 3 Domestic drum = Exempted from the regulatory requirements
UN Number:	International = Exempted from the regulatory requirements Domestic bulk = NA 1993 Domestic drum = Exempted from the regulatory requirements
DOT Marine Pollutant:	Not Listed

EPAHO105000596

Ozone Depleting Substance:	Not Listed
HMIS Code:	Health: 2 Flammability: 2 Reactivity: 0
Schedule B Number:	2528.90.0000
Packing Group:	PG III

SECTION X - LEGEND INFORMATION

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
TLV - Threshold Limit Value
PEL - Permissible Exposure Limit
TWA - Time Weighted Average
STEL - Short Term Exposure Limit
NTP - National Toxicology Program
IARC - International Agency for Research on Cancer
N/A - Not Applicable
N/D - Not Determined
PNOR = Particulate not otherwise regulated
PNOC = Particulate not otherwise classified

SECTION XI – REVISIONS

February 17, 2006	1.) Supercedes January 27, 1999 Rev 4 2.) Update Specific Gravity
January 27, 2003	1.) Supercedes January 27, 1999 Rev 3 2.) Update DOT Shipping Name
January 27,1999:	1.) Supersedes January 11,1999 Rev 2 2.) Update physical property information. 3.) Update regulatory information in Section II.
January 11,1999:	Revision 2 supercedes – May 8, 1998. 1.) Update flashpoint to reflect recent test results.

DISCLAIMER: The information herein is given in good faith but no warranty, expressed or implied, is made.

EPAHO105000597

TBC Brianadd 2113
Ref # 2113

EPAHO105000598

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/21/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2113

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: CL - 22 M
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Unused / out of date material
Color: tan **Odor:** hydrocarbon **pH:** nd
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

D9

2113

SECTION 1: Generator Information

Company: TBC Brinadd
Address: 235 Ferris
City, State, Zip: Houston TX 77054
Contact: Rick Lacronack Title: Oper Mgr.
Phone No: 713-664-4911 Fax No: 713-664-6128
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: CHG Services
Address: 16207 Huffmeister Rd
City, State, Zip: Montgomery, TX 77316
Contact: Tracie Fisher Title: office mgr.
Phone No: 936 483-3662 Fax No: 936 483-3674

SECTION 3: General Description of the Waste

Name of Waste: CL-22M
Detailed Description of Process Generating Waste: unused/out of date material

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: tan Odor: hydrocarbon odor

Specific Gravity (water=1): 1 Density: 9 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck Other (explain)
Container Size: 55-gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 3 Other:
Texas State Waste Code No: RECYCLE
Proper U.S. DOT Shipping Name: Diesel Fuel Solution
Class: 3 UN/NA: 1993 PG: II RQ: X

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
148°F	N/D	mg/l	mg/l	%
Oil&Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
mg/l	mg/l	mg/l	mg/l	mg/l

EPAHO105000600

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Hydrocarbon Distillate	31-60	%
Ulexite	40	%
Quartz	<0.1	%
Butanol	<1.0	%
Petroleum Solvent	<1.0	%
Naphthalene	<1.0	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ∅
TCLP Volatiles: /
TCLP Semi-Volatiles: /
Reactivity: /
Corrosivity: /
Ignitability: /

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willfu omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material tested are representative of all materials described by this document.

Authorized Signature: _____ **Date:** _____

Printed Name/Title: Zac McKaughan (agent for TBC)

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thangura Additional Information: _____

Date: 3-21-07 Approved Rejected REC

Approval Number: 2113

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000602

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000603

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

Product: CL-22 M **Revision: 4**
Product Code: Drum/6861; Bulk/6862 **Issue Date: 2/17/2006**

DEPARTMENT OF LABOR, Occupational Safety and Health Administration Form Approved OMB No. 1218-0072 may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

SECTION I - PRODUCT IDENTITY

CL-22 M

CAS # 68476-34-6
CAS # 64742-95-6
CAS # 91-20-3
CAS # 71-36-3
CAS # 14808-60-7
Borate Salt Suspension

EMERGENCY TELEPHONE NUMBER: **(713) 664-4911**
INFORMATION TELEPHONE NUMBER: **(713) 877-2769**

SECTION II – HAZARDOUS INGREDIENTS

Hazardous Components (Specify Identity):

Common Name	OSHA PEL-TWA	ACGIH TLV-TWA	OTHER RECOMMENDED LIMITS	%
Hydrocarbon distillate	Not established	Not established	200 ppm	31 - 60
Ulexite	Not established	Not established	OSHA: 15 mg/m^3 (as PNOR total dust) ; 5 mg/m^3 (as PNOR respirable fraction). ACGIH: 10 mg/m^3 (as PNOC inhalable dust) ; 3 mg/m^3 (as PNOC respirable fraction).	40
Quartz	0.1 mg/m^3	0.1 mg/m^3		< 0.1

	respirable 0.3 mg/m^3 total	respirable		
Butanol	100 ppm	50 ppm (ceiling) *skin*		< 1.0
Petroleum solvent	500 ppm	500 ppm	100 ppm / 8hr workday	< 1.0
Naphthalene	10 ppm	10 ppm		< 1.0

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/D

Specific Gravity (H 2O = 1): 1.16 - 1.18

Vapor Pressure (mm Hg.): N/D

Melting Point: N/D

Vapor Density (AIR = 1): N/D

Evaporation Rate (Butyl Acetate = 1): N/D

Appearance and Odor: Tan liquid with hydrocarbon odor

Solubility in Water: Moderate

Percent Volatile: 48

pH: N/D

Bulk Density: N/D

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 148 °F (PMCC)

Flammable Limits:

LEL: Not determined
UEL: Not determined

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide

Special Fire Fighting Procedures:

Use water spray to cool fire-exposed surfaces. Full protective clothing and NIOSH/MSHA approved self-contained breathing apparatus required for fire fighting personnel.

Unusual Fire and Explosion Hazards:

EPAHO105000605

Keep heat, sparks and flame away. Produces toxic combustion products. Vapor is heavier than air and may travel considerable distance to source of ignition

SECTION V – REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Keep away from heat, sparks and open flames
Incompatibility (Materials to Avoid):	Avoid contact with strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Nitrogen oxides, carbon dioxide and/or carbon monoxide
Hazardous Polymerization:	Will Not Occur

SECTION VI – HEALTH HAZARD DATA

Route(s) of Entry:
Eye Yes
Inhalation Yes
Skin Yes
Ingestion Yes

Carcinogenic Information:
CL-22M is not listed as a potential carcinogen according to NTP, IARC, and OSHA.

NTP Yes* (**)
IARC Yes**
OSHA No
*naphthalene
**quartz

Medical Conditions Generally Aggravated by Exposure: May aggravate existing dermatitis.

Emergency and First Aid Procedures:

Ingestion: May cause nausea, vomiting, cramping, headache, coma or death. Do not induce vomiting. Consult a physician.

Inhalation: May cause headache, nausea, giddiness, and loss of consciousness. Remove to fresh air.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek prompt medical attention.

Chronic Effects:

EPAHO105000606

Prolonged or repeated application of a similar product to the skin of lab laboratory mice without washing between applications resulted in increased incidence of skin tumors. It is suspected that tumors may be due in part to severely irritated continuous contact with the product.

SECTION VII – PREACAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:

Remove all ignition sources. Recover free liquid. Add absorbent (sand, earth, and sawdust), to spill area. Advise authorities if product has entered or may enter sewers, water courses or extensive land area.

Waste Disposal Method:

Use approved hazardous waste disposal site authorized under EPA-RCRA subtitle C or state equivalent.

Precautions to Be Taken in Handling and Storing:

Avoid contact with eyes, skin or clothing. Keep away from heat, sparks and open flame. Never use cutting torch on or near container (even empty) explosion may result. Do not reuse empty container. Launder clothes before reuse. Avoid breathing vapors or aerosols.

SECTION VIII - CONTROL MEASURES

Respiratory Protection:
Use appropriate NIOSH/MSHA approved respiratory equipment when exposure levels exceed the Permissible Exposure Limits (see Section II). (follow 29 CFR 1910.134)

Ventilation: Local exhaust sufficient. Use with adequate ventilation.

Protective Gloves: Use impervious rubber gloves.

Eye Protection: Use goggles and/or face shield.

Other Protective Clothing or Equipment: Recommended use of rubber apron to prevent direct skin contact.

SECTION IX - REGULATORY INFORMATION

All Components on TSCA Inventory: Yes

If shipping via air or sea, always comply with appropriate regulatory standards: IATA (International Air Transport Association), ICAO (International Civil Aviation Organization), and IMDG (International Maritime Organization).

DOT Shipping Name:	International = Exempted from the regulatory requirements Domestic bulk (>119 gal) = Diesel Fuel Solution Domestic drum = Exempted from the regulatory requirements
DOT Hazard Class:	International = Exempt from regulatory requirements Domestic bulk = 3 Domestic drum = Exempted from the regulatory requirements
UN Number:	International = Exempted from the regulatory requirements Domestic bulk = NA 1993 Domestic drum = Exempted from the regulatory requirements

TBC Brinadd 2114

Prof # 2114

EPAHO10500608

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/22/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2114

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: Bridgesal ultra SF
TCEQ Waste Code #: CESQ3192
Container Type: pallet
Detailed Description of Process Generating Waste:
Unused / off-spec product
Color: white **Odor:** odorless **pH:** na
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

Attn: Dan Hipp DD

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC-Brinadd
Address: 5035 McHard St
City, State, Zip: Houston, TX 77053
Contact: Rich Warmack Title: opers. mgr
Phone No: 713-6064-4911 Fax No: 713-6064-6138
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CMC Services
Address: 10707 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: office mgr
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Bridgesal Ultra SF
Detailed Description of Process Generating Waste: Unused off spec. Product

Physical State: ☐ Liquid ☐ Sludge ☒ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: White Odor: Odorless

Specific Gravity (water=1): ~~2.18~~ NK Density: NK lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) pallets
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 60 Other: ____
Texas State Waste Code No: CESQ 3192
Proper U.S. DOT Shipping Name: Not regulated
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	NA	0 mg/l	0 mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
0 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO105000610

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Bridgeseal ultra SF	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: —
TCLP Volatiles: —
TCLP Semi-Volatiles: —
Reactivity: —
Corrosivity: —
Ignitability: —

SECTION 9: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: 2/10/07

Printed Name/Title: Lisa McKenzie

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Flanagan Additional Information: _____

Date: 3-21-07 (Approved) Rejected 15

Approval Number: 2114

EPAHO105000611

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If "Yes", complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000612

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000613

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

Product: Bridgesal Ultra; Bridgesal Ultra SF
Product Code: 6009; 6010

Revision: 4
Issue Date: 10/10/06

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

(As used on label and list)

Bridgesal Ultra; Bridgesal Ultra SF

DISTRIBUTED BY:

TBC-BRINADD
5035 McHard Street
Houston, Texas 77053

EMERGENCY TELEPHONE NUMBER: (713) 664-4911
INFORMATION TELEPHONE NUMBER: (713) 877-2769

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	EC No.	CAS-No.	Content, %	Classification
Proprietary Ingredients	-	-		-

SECTION III - HAZARDS IDENTIFICATION

Physical State and Appearance: Solid. (Odorless powder)

Emergency Overview: Caution!
May cause eye and skin irritation.
May cause damage to the following organs: skin, eyes, stomach.

Routes of Entry: Inhalation. Ingestion

Potential Acute Health Effects: Acute effects may include nausea, dryness of nasal mucous membranes, dryness of skin, and redness of eyes.

Eyes: May be hazardous in case of eye contact (irritant).
Skin: May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation: Non-hazardous in case of inhalation.
Ingestion: Non-hazardous in case of ingestion.

Potential Chronic Health Effects:

Carcinogenic Effects: This material is not known to cause cancer in animals or humans. Additional information See Toxicological Information (Section 11)

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

SECTION IV - FIRST - AID MEASURES

Ingestion: Not intended for human or animal consumption, may cause nausea. Product contains Yellow Prussiate of Soda (Sodium Ferrocyanide) at levels exceeding food additive tolerance. Consult Physician.

Inhalation: May cause dryness of mucous membranes and nose and throat irritation. Remove to fresh air.

Skin Contact: May cause dryness to skin. Wash with water.

Eye Contact: May cause irritation and redness. Flush with water for at least 15 minutes. If irritation persists, get medical attention.

SECTION V - FIRE FIGHTING MEASURES

Flash Point (Method Used): Not applicable

Flammability of the Product: Non-flammable

Flammable Limits:
LEL: N/A
UEL: N/A

Auto-Ignition Temperature: NA (Non-combustible)

Combustion Fire Hazards in Presence of Various Substances: Not applicable

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of static discharge: No.
Risks of explosion of the product in presence of mechanical impact: No.

Extinguishing Media: Non-combustible

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Small Spill and Leak Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak Use a shovel to put the material into a convenient waste disposal container. Finish Cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Spill Kit Information No specific spill kit required for this product.

SECTION VII - HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storing: Avoid contact with eyes, skin and clothing. Do not ingest. Keep container tightly closed. Keep container in a cool, well-ventilated area

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

COMMON NAME	OSHA PEL-TWA	ACGIH TLV-TWA	OTHER RECOMMENDED LIMITS
Proprietary Component	Not established	Not established	OSHA: 15 mg/m^3 (as PNOR total dust) ; 5 mg/m^3 (as PNOR respirable fraction). ACGIH: 10 mg/m^3 (as PNOC inhalable dust) ; 3 mg/m^3 (as PNOC respirable fraction).
Proprietary Component	Not established	Not established	OSHA: 15 mg/m^3 (as PNOR total dust) ; 5 mg/m^3 (as PNOR respirable fraction). ACGIH: 10 mg/m^3 (as PNOC inhalable dust) ; 3 mg/m^3 (as PNOC respirable fraction).
Proprietary Component	Not established	Not established	OSHA: 15 mg/m^3 (as PNOR total dust) ; 5 mg/m^3 (as PNOR respirable fraction). ACGIH: 10 mg/m^3 (as PNOC inhalable dust) ; 3 mg/m^3 (as PNOC respirable fraction).

*Sodium Hexacyanoferrate in trace amounts is used as a anti-caking agent in the sized salt, sodium chloride.
The Sodium Chloride is not intended for human consumption. It is to be used solely as a Drill-In fluid additive.

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: wet processing methods to reduce dust generation.

Respiratory Protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): Air-purifying (half-mask/full-face) respirator with cartridges/canister approved for use against dusts, mists and fumes.

Eye/Face Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Skin Protection: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:
(1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material i
(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
(3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 1413° C

Specific Gravity (H2O = 1): 2.18

Vapor Pressure (mm Hg.): 1 MM @ 855° C

Melting Point: 800°C

Vapor Density (AIR = 1): N/A

Evaporation Rate (Butyl Acetate = 1): N/A

Appearance and Odor: White odorless powder

Solubility in Water: Appreciable

SECTION X - STABILITY AND REACTIVITY

Stability and Reactivity: This product is stable

Conditions of Instability: Not available

Incompatibility with Various Substances (Materials to Avoid): Bromine Triflouride, Lithium

Rem/Incompatibility: Not available

EPAHO105000617

Hazardous Decomposition Products: When heated to decomposition (above 1413 C) may emit toxic fumes of Na_2O and Cl_2.

Hazardous Polymerization: Will Not Occur

SECTION XI -TOXICOLOGICAL INFORMATION

There is no toxicology information available on this material.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Not available

BOD5 and COD: Not available

Toxicity of the products of Biodegradation: The product itself and its products of degradation are not toxic.

SECTION XIII - DISPOSAL CONSIDERATIONS

EPA Waste Number: Not available

Treatment: Material does not have and EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

SECTION XIV - TRANSPORTATION INFORMATION

All Components on TSCA Inventory:	Yes
DOT Shipping Name:	Not Applicable
DOT Hazard Class:	Not Regulated
DOT Labels:	None
UN Number:	None
DOT Marine Pollutant:	Not Listed
Ozone Depleting Substance:	Not Listed
HMIS Code:	
Health: 1	
Flammability: 1	
Reactivity: 0	
Schedule B Number:	2501.00.0000
WHMIS:	Not Controlled

SECTION XV - REGULATORY INFORMATION

International Regulations:

Australia (NICNAS): SODIUM CHLORIDE

Japan (MITI): SODIUM CHLORIDE

EPAHO105000618

KOREA (TCCL): SODIUM CHLORIDE

Philippines (RA6969): SODIUM CHLORIDE
China: SODIUM CHLORIDE

EINECS: SODIUM CHLORIDE 231-598-3

DSCL (EEC): R36/38-Irritating to eyes and skin.

Risk Phrases	NC	Not Classified
Safety Phrases	NC	Not Classified

This chemical substance is not classified in the Annex I of Directive 67/548/EEC

WHMIS:	NC	Not Controlled

State Regulations: No products were found.

U.S. Federal Regulations: TSCA 8(b) inventory: SODIUM CHLORIDE
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARS 302/304/311/312 hazardous chemicals: SODIUM CHLORIDE
SARA 311/312/ MSDS distribution-Chemical inventory-hazard identification:
SODIUM CHLORIDE: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard,
SARA 313 toxic chemical notification and release reporting: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SECTION XVI - OTHER INFORMATION

LEGEND INFORMATION
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
WHMIS - Workplace Hazardous Material Information System
TLV - Threshold Limit Value
PEL - Permissible Exposure Limit
TWA - Time Weighted Average
STEL - Short Term Exposure Limit
NTP - National Toxicology Program
IARC - International Agency for Research on Cancer
N/A - Not Applicable
N/D - Not Determined
PNOR = Particulate not otherwise regulated
PNOC = Particulate not otherwise classified
(R) - Registered

REVISIONS

October 10, 2006 Rev 4 1.) Supercedes October 10, 2003 Rev 3

EPAHO105000619

TBC Briarcdd 2115
Prof # 2115

EPAHO105000620

72
8-4-09
T-34
LAB

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/21/2007**

Dear **Zac or Dave**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2115

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: Carbwate Ultra
TCEQ Waste Code #: CESQ3192
Container Type: pallet
Detailed Description of Process Generating Waste:
Unused / out of date material
Color: white to grey **Odor:** none **pH:** nd
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com 2115
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TBC-Brinadd
Address: 5035 McHard Street
City, State, Zip: Houston, TX 77053
Contact: Rick Wagmack Title: Oper. mgr
Phone No: 713-664-4911 Fax No: 713-664-8028
24/hr Phone:
U.S. EPA I.D. No: TXCESQ6
State I.D. CESQ6 SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: CMC Services
Address: 10707 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Traci Fisher Title: Office mgr
Phone No: 936-483-3662 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Carbwate Clitter
Detailed Description of Process Generating Waste: Unused out of date material

Physical State: ☐ Liquid ☐ Sludge ☒ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: White to Gray Odor: none

Specific Gravity (water=1): ~~2.7~~ NA Density: NA lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: ____ ____ ____ pallet

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☑ Yearly
Number of Units (containers): 3 Other: ____
Texas State Waste Code No: CESQ3192
Proper U.S. DOT Shipping Name: Not Regulated
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NO	NO	0 mg/l	0 mg/l	~~100~~ %

Oil&Grease	TOC	Zinc	Copper	Nickel
0 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO105000623

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Magnesium Carbonate	1-2	%
Calcium Carbonate	98-99	%
Crystalline Silica	.01-1.5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
N/A

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [signature] Date: 2/17/07

Printed Name/Title: Zac McKaughan (Agent for TBC)

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robbert Thangia

Additional Information: _____

Date: 3-21-07 Approved Rejected _____ IS

Approval Number: 2115

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If "Yes", complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000625

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000626

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

Product: Carbwate Ultra **Revision: 4**
Carbwate Ultra Fine Carbwate
Ultra Coarse
Product Code: 6214; 6215; 6211 **Issue Date: 6/16/00**

U.S. DEPARTMENT OF LABOR, Occupational Safety and Health Administration Form Approved OMB No. 1218-0072, may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

SECTION I - PRODUCT IDENTITY

(As used on label and list)

CARBWATE ULTRA, CARBWATE ULTRA FINE, CARBWATE ULTRA COARSE

CAS # 471-34-1

EMERGENCY TELEPHONE NUMBER: (713) 664-4911
INFORMATION TELEPHONE NUMBER: (713) 877-2769

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMMON NAME	OSHA PEL-TWA	ACGIH TLV-TWA	OTHER RECOMMENDED LIMITS	%
Calcium Carbonate	15 mg/m^3 total 5 mg/m^3 respirable	10 mg/m^3		98 - 99
Magnesium Carbonate	Not established	Not established	OSHA: 15 mg/m^3 (as PNOR total dust) ; 5 mg/m^3 (as PNOR respirable fraction) ACGIH: 10 mg/m^3 (as PNOC inhalable dust) ; 3 mg/m^3 (as PNOC respirable fraction)	1 - 2
Crystalline Silica	10 mg/m^3 $\%SiO_2 + 2$ for respirable 30 mg/m^3 for total $\%SiO_2 + 2$	0.1 mg/m^3		0.01 - 1.5

	100% SiO_2 = 0.1 mg/m^3			

PNOR = Particulate not otherwise regulated
PNOC = Particulate not otherwise classified

The calcium carbonate in these products may contain crystalline silica at levels between 0.01 % and 1.5 % and varies naturally.

There are also small but detectable amounts of the following other naturally occurring chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm. This warning is provided in the absence of definitive testing to prove that these risks do not exist. These amounts are typical quantities and may vary slightly with different lots.

Chemical	Typical Amount	CAS Number
Arsenic	less than 1 ppm	7440-38-2
Lead	less than 1 ppm	7439-92-1

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Specific Gravity (H2O = 1): 2.71

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (AIR = 1): N/A

Evaporation Rate (Butyl Acetate = 1): N/A

Appearance and Odor: White to gray powder

Solubility in Water: Negligible

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Non Flammable

Flammable Limits:

LEL: N/A
UEL: N/A

Extinguishing Media: As appropriate for surrounding area.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None Known

Incompatibility (Materials to Avoid): Reacts with strong acids to liberate carbon dioxide.

Hazardous Decomposition or Byproducts: None

EPAHO105000628

Hazardous Polymerization: Will Not Occur

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:

Eye	Yes
Inhalation	Yes
Skin	No
Ingestion	Yes

Carcinogenicity:

CARBWATE ULTRA, CARBWATE ULTRA FINE and CARBWATE ULTRA COARSE are not on the NTP (National Toxicology Program), IARC (International Agency for Research on Cancer), or OSHA (Occupational Safety and Health Administration) lists of carcinogens. Crystalline Silica (CAS 14808-60-7), a trace component of calcium carbonate, has been listed by the IARC as carcinogenic to humans (Class 1).

NTP	Yes*
IARC Monographs	Yes*
OSHA Regulated	Yes*

*crystalline silica

Medical Conditions Generally Aggravated by Exposure: No Information

Emergency and First Aid Procedures:

Ingestion:
Ingestion should not cause any significant health problems.

Inhalation:
May cause nose and throat irritation. Remove to fresh air. Seek medical attention if irritation persists.

Skin Contact:
May cause dryness to skin. Wash with mild soap and water.

Eye Contact:
May cause irritation and redness. Flush with water for at least 15 minutes. If irritation persists, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:
Mechanical cleanup for reuse or disposal. Respiratory protection should be worn during clean up to protect from airborne dust. Measures should be taken to reduce airborne dust during clean up.

Waste Disposal Method:
Dispose of in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing: None

EPAHO105000629

Other Procedures: None

SECTION VIII - CONTROL MEASURES

Respiratory Protection: If regulatory limits (see Section II) are exceeded, an appropriate NIOSH/MSHA approved respirator with particulate cartridges should be worn (in compliance with 29 CFR 1910.134).

Ventilation: Local exhaust as required to maintain dust levels below exposure limits.

Protective Gloves: Standard work gloves.

Eye Protection: Goggles.

Other Protective Clothing or Equipment: None.

SECTION IX - REGULATORY INFORMATION

All Components on TSCA Inventory:	Yes
DOT Shipping Name:	Not Applicable
DOT Hazard Class:	Not Regulated
DOT Labels:	None
UN Number:	Not Applicable
DOT Marine Pollutant:	Not Listed
Ozone Depleting Substance:	Not Listed

HMIS Code:

Health:	1*
Flammability:	0
Reactivity:	0

*May affect lung function, avoid exposure to high levels of dust.

PPE Code: E: Safety Glasses (goggles), Gloves, Dust respirator

Schedule B Number: 2836.50.0000

SECTION X - LEGEND INFORMATION

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
TLV - Threshold Limit Value
PEL - Permissible Exposure Limit
TWA - Time Weighted Average
STEL - Short Term Exposure Limit
NTP - National Toxicology Program
IARC - International Agency for Research on Cancer
N/A - Not Applicable
N/D - Not Determined

SECTION XI - REVISIONS

August 19, 2003 Rev 4	1.) Changed SF to Fine
June 16, 2000 Rev 3	1.) Supercedes January 12; 1999 Rev 2 2.) Update of all information

EPAHO105000630

January 12, 1999 Rev 2

1.) Supercedes 8/98 Revision 1
2.) Updated all information.

DISCLAIMER: The information herein is given in good faith but no warranty, expressed or implied, is made.

EPAHO105000631

Vecto Gray 2088

Prof# 2088

EPAHO10500632

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/6/2007**

Dear **Dustin Cambell**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2088

Generator: Vetco Gray
Address: 12221 N. Houston Rosslyn
Houston, TX 77086

Waste Information

Name of Waste: Used oil filters/rags/pads
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Used oil filters from equipment
Color: various **Odor:** hydrocarbon **pH:** neutral
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Vetco Gray Inc		
Address:	12221 N. Houston Rosslyn Road		
City, State, Zip:	Houston, TX 77086		
Contact:	Dustin Campbell	**Title:**	HSE Coordinator
Phone No:	281-878-4644	**Fax No:**	281-405-5644
24/hr Phone:	281-744-0567		
U.S. EPA I.D. No:	TXD060720505		
State I.D.	30299	**SIC Code:**	3533

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Used oil filters/rags/pads
Detailed Description of Process Generating Waste: Used oil filters from equipment

Physical State: ☐ Liquid ☐ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: Various **Odor:** hydrocarbon

Specific Gravity (water=1): 1.2 **Density:** 9 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 5 **Other:** ____
Texas State Waste Code No: Recyclable Material
Proper U.S. DOT Shipping Name: Non RCRA Non DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	neutral	0mg/l	0mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	0mg/l	0mg/l	0mg/l

EPAHO105000634

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Used Oil Filters	0-100	%
Oily Rags	0-100	%
Oily Pads	0-100	%
Residue oil	0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A **Date:** 3-6-07

Printed Name/Title: Dustin Campbell

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: [signature] Date: 3-6-07 (Approved) Rejected Approval Number: 2088	REC

EPAHO105000635

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000636

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000637

Vecto Gray 2089

Prof# 2089

EPAHO105000638

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/6/2007**

Dear **Dustin Cambell**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2089

Generator: Vetco Gray
Address: 12221 N. Houston Rosslyn
Houston, TX 77086

Waste Information

Name of Waste: Sludge from tool cleaning operation
TCEQ Waste Code #: 12086951
Container Type:
Detailed Description of Process Generating Waste:
Contaminated solids removed from pressure wash bays and sumps, primarily consisting c dirt contaminated with oily residue removed from equipment during pressure washing.
Color: varies **Odor:** slight hydrocarbon **pH:** 7
Physical State:
Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling:
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Vetco Gray, Inc.		
Address:	12221 N. Houston Rosslyn Rd.		
City, State, Zip:	Houston, TX 77086		
Contact:	Dustin Campbell	**Title:**	HSE Coordinator
Phone No:	(281) 878-4644	**Fax No:**	(281) 405-5644
24/hr Phone:	(281) 744-0567		
U.S. EPA I.D. No:	TXD060720505		
State I.D.	30299	**SIC Code:**	3533

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Sludge from Tool Cleaning Operation
Detailed Description of Process Generating Waste: Contaminated solids removed from pressure wash bays and sumps, primarily consisting of dirt contaminated with oily residue removed from equipment during pressure washing.

Physical State: ☐ Liquid ☒ Sludge ☐ Powder ☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies **Odor:** Slight - Hydrocarbon

Specific Gravity (water=1): 1.2 **Density:** 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☒	**Drum**	☐ **Tote**	☐	**Truck**	☐	**Other (explain)**
Container Size:		55 gal					

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: 12086951
Proper U.S. DOT Shipping Name: Not DOT Regulated
Class: na **UN/NA:** na **PG:** na **RQ:** na

Flash Point >200	**pH** 7.00	**Reactive Sulfides** <20mg/l	**Reactive Cyanides** <20mg/l	**Solids** 95%
Oil&Grease 7150 mg/l	**TOC** >150 mg/l	**Zinc** 0 mg/l	**Copper** 0 mg/l	**Nickel** 0 mg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Dirt and sediment	75-95	%
Oil & Grease	5-25	%
Water	0-25	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
~~Gloves~~ Std

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
1) Vetco Waste Characterization Data Form, Analytical Results from 2001 and 2005 (2005 data is from same operation at Bryan, TX facility)

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None known.

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	See 3/8/05 analytical; all are BDL except Barium @ 2.96 mg/L
TCLP Volatiles:	All are BDL
TCLP Semi-Volatiles:	All are BDL
Reactivity:	<20 mg/L
Corrosivity:	7.00
Ignitability:	>200

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Dustin L. Campbell **Date:** 3/6/07

Printed Name/Title: Dustin L. Campbell - HSE Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information:

Date: 3-6-07 Approved Rejected OSL

Approval Number: 2089

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L

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Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000643

Active: ☒	Inactive: ☐

GENERAL INFORMATION	
Waste Description: Sludge from Tool Cleaning Operation	**Waste ID No:** 12086951
	Facility ID No: 30299
Form Code Description: Sludge	**Facility:** NHR
	Date: 3/6/2007

PROCESS KNOWLEDGE	
Full Description of Waste Stream Generation Activities:	Contaminated solids removed from pressure wash bays and sumps, primarily consisting of dirt contaminated with oily residue removed from equipment during pressure washing.
Chemicals/Materials involved in the waste generation process:	Dirt, sediment, oil, grease
Potential Contaminants:	Oil Grease
MSDS Information (flash point, etc.) :	None

ANALYTICAL DATA – SAMPLING PROCEDURES			
Sample Date(s):	7/18/2001 3/8/2005	**Site/Unit Description(s):**	Sampled drums of wash bay sludge at NHR Sampled drums of wash bay sludge at Bryan (same operation)
Sampling Methods and Equipment:	Material was collected from drums of material stored after generation by using a clean plastic scoop and clean latex gloves. Material was mixed and placed into clean, laboratory supplied glass sample jars		
Sampling Techniques (collection, containerization, preservation):	Grab samples were collected from each of several drums that represent various processes that generate this waste with a clean plastic scoop using clean latex gloves. Sample jars were placed in a cooler to 4 deg. Celcius and picked-up by the lab for analysis		
Rationale for Sampling Plan :	Only one drum sampled due to low generation volume		

DOCUMENTATION ATTACHED							
Analytical Results:	☒	**C-O-C:**	☐	**Operating Procedure**	☐	**Classification Checklist:**	☒
QC Data:	☒	**MSDS:**	☐	**Material Specification**	☐		

WASTE DESCRIPTION: Sludge from Tool Cleaning Operation	TWC: 12086951

This chapter provides a checklist to help you classify your hazardous waste and your nonhazardous industrial waste. For an overview of these types of waste, refer back to Figure 1 in Chapter 1; for more details, refer to 30 TAC Chapter 335 Subchapter R Sections 335.501–508. (You can obtain your own copy of state rules from the TCEQ publications unit; ways to contact this unit are listed under the heading "TCEQ and EPA Forms" in Chapter 6.)

Process Knowledge vs. Analytical Testing
In determining a waste stream's classification, a generator may use *process knowledge*and/or *analytical testing*. Process knowledge is the owner or operator's knowledge about how the facility operates, how a waste was produced and handled, and other information based on operating experience. Analytical testing is information about a waste from laboratory analysis. In the checklist, the nonhazardous classification criteria that could involve analytical testing have been marked with an *. This marking **does not** mean that analytical testing is the only way to evaluate these criteria. If sufficient process knowledge is available, little or no analysis may need to be performed. You should evaluate whether you have enough process knowledge about the waste to classify it or whether analytical testing is needed.

Documentation
Regardless of whether you rely on process knowledge or opt for analytical testing, you must fully document the information used in making your waste classification. **A completed checklist does not qualify as full documentation**. Documentation should be in a written and/or electronically stored format that is reasonably accessible and easily reproducible. For details on documentation requirements, see Chapter 4.

Part I. Hazardous Waste Determination
All waste generators should work through Part I of this checklist. In this part you will determine whether your waste is hazardous because (a) it is listed as hazardous by EPA or (b) it displays characteristics that EPA says make it hazardous.

In federal regulatory language, the first step in classifying your waste is called "making a *hazardous waste determination*." The definition of hazardous waste, based upon the Resource Conservation and Recovery Act (RCRA), is found in Title 40 of the Code of Federal Regulations (CFR), Part 261. This TCEQ guidance document reflects the hazardous waste definition in the *FederalRegister* as of July 1, 2004. If that definition changes, the generator is still responsible for making an accurate hazardous waste determination in accordance with the latest regulations—instead of with what is printed in this guidance document.

IF the answer to any of the questions in Part I is "Yes,"
THEN the waste is hazardous.

Possible *Exclusions* from Hazardous Classification
Under certain conditions, some types of wastes are excluded from being considered hazardous (40 CFR Sections 261.3–4). Generators may wish to review these exclusions before working through Part I of this checklist.

Part I-A. Listed Hazardous Waste Determination

The EPA lists some 400 hazardous wastes. Descriptions of listed waste are found in 40 CFR Part 261, Subpart D, Sections 261.31–33. These wastes are often referred to as follows:
- "F" listed waste (waste from nonspecific sources, Section 261.31);
- "K" listed waste (wastes from specific sources, Section 261.32);
- "P" listed waste (unused acutely hazardous off-specification materials as well as container residues and spill residues of these materials, Section 261.33);
- "U" listed waste (unused toxic hazardous off-specification materials as well as container residues and spill residues of these materials, Section 261.33).

QUESTION: Is the waste a listed hazardous waste, or is it mixed with or derived from one? ☐ Yes ☒ No

Part I-B. Characteristic Hazardous Waste Determination

Wastes may be hazardous if they display any of four characteristics: ignitability,corrosiveness, reactivity, or toxicity.

Ignitability
Wastes that are hazardous because they may ignite include the following:
- Liquid wastes (other than those aqueous waste containing less than 24 percent alcohol by volume) that have a flash point less than 60OC (140OF). (The test method is the Pensky-Martens closed cup tester, using the test method specified in ASTM Standard D-93-79 or D-93-80, or a Setaflash closed cup tester, using the test method specified in ASTM Standard D-3278-78.)
- Nonliquid wastes that, under standard temperature and pressure, are capable of causing fire through friction, absorption of moisture, or spontaneous chemical changes and, when ignited, burn so vigorously and persistently that they create a hazard.
- Wastes that meet the definition of an ignitable compressed gas (see 49 CFR Section 173.300).
- Wastes that meet the definition of an oxidizer (see 49 CFR Section 173.151).

QUESTION: Is the waste ignitable according to 40 CFR Section 261.21? ☐ Yes ☒ No

Corrosiveness
Wastes that are hazardous because they are corrosive include the following:
- aqueous wastes with a pH of 2 units or below or of 12.5 units or above;
- liquid wastes that corrode steel at a rate greater than 6.35 mm (0.250 inches) per year.

QUESTION: Is the waste corrosive according to 40 CFR Section 261.22? ☐ Yes ☒ No

Reactivity
A waste is considered reactive if it meets any of the following conditions:
- It is capable of detonation or explosive decomposition or reaction
  - at standard temperature and pressure,
  - if subjected to a strong ignition source, or
  - if heated under confinement.
- When mixed with water, it is
  - potentially explosive,
  - reacts violently, or
  - generates toxic gases or vapors.
- If a cyanide or sulfide-bearing waste is exposed to pH conditions between 2 and 12.5, it can generate enough toxic gases, vapors, or fumes to present a danger to human health or the environment. Generally, if a waste generates **250** ppm or more of reactive cyanides or **500** ppm or more of reactive sulfides, it is considered a reactive waste. (It should be noted that these levels of reactive compounds are just guidance. Each waste must be evaluated for reactivity on a case-by-case basis).
- It is normally unstable and readily undergoes violent change without detonating.
- It is a forbidden explosive (as defined in 49 CFR 173.51, or a Class A explosive as defined in 49 CFR 173.53).
- It is a Class B explosive (see 49 CFR Section 173.88).

QUESTION: Is the waste reactive according to 40 CFR Section 261.23? ☐ Yes ☒ No

Toxicity
A waste is toxic if the toxicity characteristic leaching procedure (TCLP) shows that a representative sample from the waste contains one or more constituents at or above the levels listed in Table 3-1. The TCLP is described in EPA Method 1311 (SW-846).

Table 3-1 TCLP Regulatory Levels

arsenic —5.0 mg/l	1,4-dichlorobenzene — 7.5 mg/l	methyl ethyl ketone — 200.0 mg/l
barium — 100.0 mg/l	1,2-dichloroethane — 0.5 mg/l	nitrobenzene — 2.0 mg/l
benzene — 0.5 mg/l	1,1-dichloroethylene — 0.7 mg/l	pentachlorophenol — 100.0 mg/l
cadmium — 1.0 mg/l	2,4-dinitrotoluene — 0.13 mg/l	pyridine — 5.0 mg/l
carbon tetrachloride — 0.5 mg/l	endrin — 0.02 mg/l	selenium — 1.0 mg/l
chlordane — 0.03 mg/l	heptachlor (and its epoxide) — 0.008 mg/l	silver — 5.0 mg/l
chlorobenzene — 100.0 mg/l	hexachlorobenzene — 0.13 mg/l	tetrachloroethylene — 0.7 mg/l
chloroform — 6.0 mg/l	hexachlorobutadiene — 0.5 mg/l	toxaphene — 0.5 mg/l
chromium — 5.0 mg/l	hexachloroethane — 3.0 mg/l	trichloroethylene — 0.5 mg/l
o-cresol — 200.0 mg/l	lead — 5.0 mg/l	2,4,5-trichlorophenol — 400.0 mg/l
m-cresol — 200.0 mg/l	lindane — 0.4 mg/l	2,4,6-trichlorophenol — 2.0 mg/l
p-cresol — 200.0 mg/l	mercury — 0.2 mg/l	2,4,5-TP (Silvex) — 1.0 mg/l
cresol — 200.0 mg/l	methoxychlor — 10.0 mg/l	vinyl chloride — 0.2 mg/l
2,4-D — 10.0 mg/l		

QUESTION: Is the waste toxic according to 40 CFR Section 261.24? ☐ Yes ☒ No

Review of Checklist Part I—Hazardous Waste
IF the answer to any of the preceding questions in Part I is "Yes,"
THEN the waste is HAZARDOUS; PROCEED to Chapter 4.

IF the answers are "No" to all the preceding questions, AND the waste is NONINDUSTRIAL, THEN STOP here.	IF the answers are "No" to all of the preceding questions, AND the waste is INDUSTRIAL, THEN PROCEED to Part II.

Part II: Nonhazardous Industrial Waste Classes 1 & 2

The determination in this part of the checklist applies only to nonhazardous industrial waste—see figure 1 in Chapter 1. (This part of the checklist is based on regulations found in 30 TAC Sections 335.505–06 and 335.508).

IF the answer to any of the **un-numbered** questions in this part of the checklist is "Yes,"
THEN the nonhazardous industrial waste is a Class 1 waste.
IF all the answers to the **un-numbered** questions in this part are "No,"
THEN the industrial waste is a Class 2 waste.

Generator's Self-Classification

QUESTION: Has the generator chosen to classify its nonhazardous waste as Class 1? ☒ Yes ☐ No

Container Waste
IF the waste is a container, greater than 5 gallons in holding capacity, which has held
▼ a hazardous substance (as defined in 40 CFR Part 302 and listed in Appendix A of this guidance document),
▼ a hazardous waste (including acutely hazardous wastes),
▼ a Class 1 waste, and/or
▼ a material that would be classified as a hazardous or
Class 1 waste if disposed of,

THEN answer questions 1 and 2. (Please note that containers that have held acutely hazardous wastes must be triple-rinsed before they can be classified as empty).
IF these conditions are not present in your situation,
THEN proceed to the next un-numbered question.

1. Has the container had all its residues removed? ☐ Yes ☐ No
2. Has the container been rendered unusable? ☐ Yes ☐ No

QUESTION: Are *any* of the answers to questions (1) or (2) above "NO"? ☐ Yes ☒ No

Regulated Asbestos-Containing Material (RACM)

QUESTION: Does the waste contain asbestos material identified as RACM, per 40 CFR Part 61? * ☐ Yes ☐ No

Polychlorinated Biphenyls (PCBs)

QUESTION: Is the waste contaminated by a material that originally contained 50 or more parts per million (ppm) total PCBs? * ☐ Yes ☐ No

QUESTION: Does the waste contain 50 or more ppm PCBs?* ☐ Yes ☐ No

Petroleum Substance Waste
1. Is your waste specifically identified as a *petroleum substance* (see Chapter 8, Definitions of Terms) or contaminated with a material identified as a petroleum substance waste? ☐ Yes ☐ No
2. Does the waste contain more than 1,500 ppm total petroleum hydrocarbons (TPH)? ☐ Yes ☐ No

QUESTION: Are the answers to both of the numbered questions above "Yes"? (If one or both of the answers are "No," enter "No" for this question.) ☐ Yes ☐ No
"New Chemical Substance"
See "new chemical substances wastes" in Chapter 8, Definitions and Terms, for a description of how this particular type of waste may be classified as Class 2 or 3.

QUESTION: Is the waste from the production of a "new chemical substance," as defined by the federal Toxic Substances Control Act, 15 U.S.C.A. Section 2602(9)? ☐ Yes ☐ No

Out-of-State Origin
See "wastes generated out-of-state" in Chapter 8, Definitions of Terms, for details on how this particular type of waste may be classified as Class 2 or 3.

QUESTION: Is the waste generated outside Texas? ☐ Yes ☐ No

Constituent Levels and Specified Properties for Nonhazardous Industrial Class 1 Wastes

QUESTION: If the waste is a liquid, does it have a flash point of less than 65.6C (150F)? * ☐ Yes ☐ No

QUESTION: Is the waste a solid or semi-solid that—under conditions normally encountered in storage, transportation, and disposal—

■ is liable to cause fires through friction or through retained heat from manufacturing or processing; or
■ can be ignited readily, and when ignited burns so vigorously and persistently as to create a serious hazard? ☐ Yes ☐ No

QUESTION: Is the waste a semi-solid or solid that, when mixed with an equivalent weight of ASTM Type II laboratory distilled or deionized water, produces a solution with a pH of 2 or less or 12.5 or more? ☐ Yes ☐ No
(***Exception:*** for solidified, stabilized, encapsulated, or otherwise chemically bound wastes, an exception is provided in 30 TAC Section 335.505(3))

QUESTION: Does the waste leach Class 1 toxic constituents at or above the levels listed in Table 1, Appendix 1 of Chapter 335 Subchapter R when submitted to the TCLP? * ☐ Yes ☐ No

Where matrix interferences of the waste cause the Practical Quantitation Limit (PQL) of the specific analysis to be greater than the Maximum Concentration listed in Table 1, Appendix 1 of 30 TAC Chapter 335 Subchapter R, then the achievable PQL becomes the Maximum Concentration, provided that the generator maintains documentation that satisfactorily demonstrates to the TCEQ that lower levels of quantitation of a sample are not possible.) A satisfactory demonstration includes the results from the analysis of the waste for that specific constituent by a laboratory using an appropriate method found in *Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods* (EPA SW-846); *Methods or Chemical Analysis of Water and Wastes* (EPA-600 series); *Standard Methods for the Examination of Water and Wastewater*; *American Society for Testing and Materials (ASTM) Standard Methods*; or an equivalent method approved by the TCEQ.

Lack of Class 2 or 3 Information

QUESTION: Is information lacking that demonstrates the waste belongs in Class 2 or 3? ☐ Yes ☐ No

Review of Checklist Part II:
Class 1 or 2 Nonhazardous Industrial Waste

IF the answer to any of the preceding **un-numbered** questions in Part II is "Yes,"
THEN the nonhazardous industrial waste is a Class 1 waste.

IF the answers are "No" to all the preceding **un-numbered** questions in Part II,
THEN the industrial waste is a Class 2 waste.

Analytical Report 212756

for

CS Environmental, Inc.

Project Manager: Chan Patel

Project Name : ABB NHR

ABB101-1

July 18, 2001

11381 Meadowglen, Suite L Houston, TX 77082 Ph:(281) 589-0692 Fax:(281) 589-0695

Houston - Dallas - San Antonio - Austin - Latin America

EPAHO105000649

XENCO Laboratories

July 18, 2001

Project Manager: Chan Patel
CS Environmental, Inc.
1371 Edenderry Lane
Missouri City, TX 77459

Reference: XENCO Report No: 212756
Project Name : ABB NHR
Project Address: ABB NHR

Dear Chan Patel :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Chain of Custody Numbered 212756 . All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with a Laboratory ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 212756 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Sincerely,

Eddie L. Clemons, II
QA/QC Manager

EPAHO105000650

XENCO Laboratories

Certificate of Analysis Summary 212756

CS Environmental, Inc., Missouri City, TX

Project Name: ABB NHR

Project ID: ABB101-1
Project Manager: Chan Patel
Site: ABB NHR

Date Received in Lab: Thu Jul-12-01 02:15 PM
Date Report Faxed: wed Jul-18-01
XENCO Contact: Kristin Hesse

Analysis Requested	*Lab ID:*	212756-001					
	Field ID:	Pet. Contam.					
	Depth:						
	Matrix:	SOLID					
	Sampled:	Jul-12-2001					
BTEX by EPA 8021	*Analyzed:*	Jul-13-2001					
	Units:	mg/kg					
			RL				
Benzene		BRL	0.005				
Toluene		BRL	0.005				
Ethylbenzene		BRL	0.005				
m,p-Xylenes		0.011	0.010				
o-Xylene		0.006	0.005				
Total Xylenes		0.017					
Total BTEX		0.017					
TCLP Metals by EPA 6020	*Analyzed:*	Jul-13-2001					
	Units:	mg/L					
			RL				
Arsenic		BRL	0.050				
Barium		2.45	0.050				
Cadmium		0.197	0.005				
Chromium		BRL	0.050				
Lead		0.015	0.010				
Mercury		BRL	0.002				
Selenium		BRL	0.050				
Silver		BRL	0.050				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.

BRL = Below Reporting Limits, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, D = Analyte Reported from Dilution Analysis, E= Estimated Concentration

Eddie L. Clemons, II
QA/QC Director

EPAHO10500651

XENCO Laboratories

BS / BSD Recoveries

Analytical Report: 212756

Project Name: ABB NHR
Project ID: ABB101-1

Lab Batch ID: 604326 **Sample:** 341214-1-BLK **Batch #:** 1
Units: mg/kg **Matrix:** Solid

BTEX by EPA 8021 Analytes	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY									
	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Blank Spike Duplicate Result [E]	Blk. Spk Dup. %R [F]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.001	0.1	0.116	116.1	0.115	114.5	1	70-130	35	
Toluene	<0.001	0.1	0.104	103.6	0.103	102.9	1	70-130	35	
Ethylbenzene	<0.001	0.1	0.105	105.3	0.106	106.1	1	71-129	35	
m,p-Xylenes	<0.002	0.2	0.211	105.6	0.212	106.1	0	70-135	35	
o-Xylene	<0.001	0.1	0.100	100.2	0.102	102.0	2	71-133	35	

Relative Percent Difference RPD = 200*|(C-E)/(C+E)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [F] = 100*(E)/[B]
All results are based on MDL and Validated for QC Purposes

EPAHO10500652

XENCO Laboratories

Sample Duplicate Recovery

Analytical Report : 212756
Lab Batch #: 604365
QC- Sample ID: 212749-027
Reporting Units: mg/L Matrix: Water

Project Name: ABB NHR
Project ID: ABB101-1

ICP-MS Metals by EPA 6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	<0.075	<0.050	NC	25	
Barium	0.046	<0.050	NC	25	
Beryllium	<0.010	<0.005	NC	25	
Iron	<0.500	<0.500	NC	25	
Lead	<0.035	0.013	NC	25	
Manganese	<0.025	<0.050	NC	25	
Nickel	<0.025	<0.050	NC	25	
Selenium	<0.075	<0.050	NC	25	
Vanadium	0.031	<0.050	NC	25	

Lab Batch #: 604365
QC- Sample ID: 212756-001
Reporting Units: mg/L Matrix: Water

TCLP Metals by EPA 6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	<0.050	<0.050	NC	25	
Barium	2.45	2.33	5.2	25	
Cadmium	0.197	0.189	3.8	25	
Chromium	<0.050	<0.050	NC	25	
Lead	0.015	0.014	7.6	25	
Mercury	<0.0020	<0.002	NC	25	
Selenium	<0.050	<0.050	NC	25	
Silver	<0.050	<0.050	NC	25	

Spike Relative Difference RPD 200*|(B-A)/(B+A)
All Results are based on MDL and validated for QC purposes.

EPAHO105000653

XENCO Laboratories

Blank Spike Recovery

Analytical Report: 212756

Project Name: ABB NHR
Project ID: ABB101-1

Lab Batch #: 604365

Reporting Units: mg/L

Matrix: Water

ICP-MS Metals by EPA 6020 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Arsenic	<0.050	1.1111	1.31	118	75-125	
Barium	<0.050	1.1111	1.07	96	75-125	
Beryllium	<0.005	0.4444	0.381	86	75-125	
Cadmium	<0.005	0.4444	0.529	119	75-125	
Chromium	<0.050	1.1111	1.27	114	75-125	
Iron	<0.500	4.4445	4.33	97	75-125	
Lead	<0.010	2.2222	2.29	103	75-125	
Manganese	<0.050	2.2222	2.12	95	75-125	
Mercury	<0.0020	0.0111	0.0094	85	75-125	
Nickel	<0.050	1.1111	1.35	121	75-125	
Selenium	<0.050	1.1111	1.28	115	75-125	
Silver	<0.050	2.2222	1.67	75	75-125	
Vanadium	<0.050	1.1111	1.25	113	75-125	

Blank Spike Recovery [D] = 100*(C-A)/[B]
All results are based on MDL and validated for QC purposes.

EPAHO105000654

XENCO Laboratories

☐ 11381 Meadowglen, Suite L, Houston TX 77082 281-589-0692
☐ 5309 Wurzbach Road, Suite 104, San Antonio, TX 78238 210-509-3334
☐ 11078 Morrison Ln, Suite D, Dallas, TX 75229 972-481-9999

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

On-LINE Help & Technical Services at www.XENCO.com

Company COC No:

Work Order No: 119845

Page 1 of 1

Company	CS ENVIRONMENTAL INC	**Phone**	713 2015704
Project Name	☐ Previously done at XENCO — ABB NHR	**Project ID**	ABB101-1
Location	ABB NHR		
Project Manager (PM)	CHAN PATEL	**Project Director (PD)**	CHAN PATEL
Fax Results to	☐ PM and / or	**Fax**	281 499 9211

Invoice to ☒ Accounting ☐ Include Invoice with Final Report Attn PM ☐ Invoice must have a P.O Bill to:

Quote No. **P.O No** ☐ Call for a P.O.

Special DLs (RR I RR II DW QAPP See Lab PM Call Proj. PM)

Specifications

Sampler Name CHAN PATEL Signature

Lab Only: 212756-1

TAT: 5h 12h 20h 24h 48h 3d (5d) 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days

#	Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix A P S W	Composite	Grab	# Containers	Container Size	Type	Preservatives	BTEX by 8021	BTEX-MTBE by 8021 8260	TPH by TX1005 418 1664 8015GRO 8015DRO FLPRO	PAHs by 8270 8100 8310	METALS by 6020 8RCRA Tot Pb TCLP 8 13PP 23TAL List	VOAs by 8260 624 BTEX MTBE PPs TCLP See List Call PM	SVOAs by 8270 625 PAHs BN&A TCLP PPs See List Call PM	TAT 5h 12h 20h 24h 48h 3d 5d 7d 10d 14d 21d	Addn: PAH above mg/L W. mg/Kg S Highest Hit	Hold Analysis
1	PET. CONTAM	7/12/01	12:35		S		X	2	8oz	G	ICE	X				X					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Remarks

Lab Only Additions — From: / Rcv by: / Date

Relinquished by (Initials and Sign.)	Date & Time	Relinquished to (Initials and Sign.)	Date & Time
1 CHAN PATEL	7/12/01 14:15		
2		Lab.: Jose Luna	07/12/01 14:15
3			

Total Containers per COC: 2 Cooler Temp: 2.0 °C

Rush TATs Fax Due: Final Fax Due:

Final Report Data Package Due Date:

Rush Charges are Pre-Approved upon Requesting them. All Terms Apply

Preservatives - Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), NaOH+Asbc Acid (NAA), ZnAc+NaOH (ZA), (Cool,<4C) (C4), None (N), See Label (SL), Other (O) _____

SIZE: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (.5), Tedlar Bag (B), Wipe (W), Other _____ **TYPE** Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O) _____

EPAHO105000655

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO: 50292.01

Customer: **CES Env. Svcs.**
Project ID: **Vetco Gray - Bryan**
Project Loc: **Bryan, TX**
Charge/P.O.:

Sample ID: **Drum Sludge**
Matrix: **Sludge**
Type:

Environ ID: **50292.01**
Sampled: **03-08-05**
Received: **03-09-05**
Reported: **03-24-05**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
RCI								
Reactive Cyanide	< 20	mg/kg	250	20	SW846.7.3.3	DB	03-10-05	08:15
Reactive Sulfide	< 20	mg/kg	500	20	SW846.7.3.4	DB	03-10-05	08:00
Corrosivity (Ph)	7.00	su	=>2; =<12.5	--	SW846.9045C	MN	03-09-05	12:00
Ignitability	> 200	°F	> 140	--	SW846.1010	DB	03-11-05	09:30
METALS (RCRA) - TCLP					SW846.1311	MN	03-09-05	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	03-11-05	08:20
Barium	2.95	mg/l	100	0.02	SW846.6010B	DB	03-11-05	08:20
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	03-11-05	08:20
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	03-11-05	08:20
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	DB	03-11-05	08:20
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	03-11-05	08:20
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	03-11-05	08:20
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	03-11-05	04:30
VOC - TCLP (Dilution Factor: 5.0)					SW846.1311	MN	03-10-05	
Benzene	< 0.03	mg/l	0.5	0.025	SW846.8260B	CR	03-14-05	14:22
2-Butanone (MEK)	< 0.13	mg/l	200.0	0.125	SW846.8260B	CR	03-14-05	14:22
Carbon tetrachloride	< 0.03	mg/l	0.5	0.025	SW846.8260B	CR	03-14-05	14:22
Chlorobenzene	< 0.03	mg/l	100	0.025	SW846.8260B	CR	03-14-05	14:22
Chloroform (Trichloromethа	< 0.03	mg/l	6.0	0.025	SW846.8260B	CR	03-14-05	14:22
1,2-Dichloroethane (EDC)	< 0.03	mg/l	0.5	0.025	SW846.8260B	CR	03-14-05	14:22
1,1-Dichloroethene	< 0.03	mg/l	0.7	0.025	SW846.8260B	CR	03-14-05	14:22
Tetrachloroethene	< 0.03	mg/l	0.7	0.025	SW846.8260B	CR	03-14-05	14:22
Trichloroethene	< 0.03	mg/l	0.5	0.025	SW846.8260B	CR	03-14-05	14:22
Vinyl chloride	< 0.05	mg/l	0.2	0.050	SW846.8260B	CR	03-14-05	14:22
SVOC - TCLP (Conc. Factor: 50)					SW846.1311	MN	03-09-05	
1,4-Dichlorobenzene	< 0.10	mg/l	7.5	0.10	SW846.8270C	JAC	03-14-05	17:59
2,4-Dinitrotoluene	< 0.10	mg/l	0.13	0.10	SW846.8270C	JAC	03-14-05	17:59
Hexachlorobenzene	< 0.10	mg/l	0.13	0.10	SW846.8270C	JAC	03-14-05	17:59
Hexachlorobutadiene	< 0.10	mg/l	0.50	0.10	SW846.8270C	JAC	03-14-05	17:59
Hexachloroethane	< 0.10	mg/l	3.0	0.10	SW846.8270C	JAC	03-14-05	17:59
2-Methylphenol (o-Cresol)	< 0.10	mg/l	(200)	0.10	SW846.8270C	JAC	03-14-05	17:59
3&4-Methylphenol (m&p-Cr	< 0.10	mg/l	(o+m+p)	0.10	SW846.8270C	JAC	03-14-05	17:59
Nitrobenzene	< 0.10	mg/l	2.0	0.10	SW846.8270C	JAC	03-14-05	17:59
Pentachlorophenol	< 0.20	mg/l	100	0.20	SW846.8270C	JAC	03-14-05	17:59
Pyridine	< 0.10	mg/l	5.0	0.10	SW846.8270C	JAC	03-14-05	17:59
2,4,5-Trichlorophenol	< 0.10	mg/l	400	0.10	SW846.8270C	JAC	03-14-05	17:59
2,4,6-Trichlorophenol	< 0.10	mg/l	2.0	0.10	SW846.8270C	JAC	03-14-05	17:59

TCLP VOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
1,2-Dichloroethane-d4 (SS)	0.046	92	76-114
Toluene-d8 (SS)	0.049	98	80-120
4-Bromofluorobenzene (SS)	0.048	96	80-120

TCLP SVOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Nitrobenzene-d5	0.040	80	35-114
2-Fluorobiphenyl	0.048	96	43-116
Terphenyl-d14	0.060	120	33-141
Phenol-d5	0.048	48	21-100
2-Fluorophenol	0.018	18 *	10-100
2,4,6-Tribromophenol	0.072	72	10-123

Definitions:
TCLP - Toxicity Characteristic Leaching Procedure
REG - Regulatory Limit (User Should Confirm Lim
MQL - Method Quantitation Limit
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight
su - Standard Units
VOC - Volatile Organic Compounds
SVOC - Semivolatile Organic Compounds
TPH - Total petroleum Hydrocarbons
* Out of Range

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO105000656

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: MERCURY	METHOD: EPA SW846/7471A	MATRIX: Soil

ANALYSTS: MN	DATE: 03.11.05	UNITS: mg/kg	NO.SAMPLES: 1

SAMPLES:	50292.01							

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF	QC LIMITS RECOV.	QC LIMITS DIFF.
MERCURY	0.00	0.057	0.057	100	100	0	95	0	1	60 - 120	20

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	DB	DATE:	03.11.05	UNITS:	PPM (mg/l)	NO.SAMPLES:	17

SAMPLES:	50285.01	50285.02	50286.01	50286.02	50287.01	50284.01	50284.02	50284.03
	50288.01	50288.02	50288.03	50288.04	50288.05	50288.06	50288.07	50292.01
	50294.01							

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 50285.01

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF. %	CONT. CALIB.	METHOD BLANK	QC LIMITS RECOV.	QC LIMITS DIFF.
Arsenic	0.00	5	4.60	92	95	3	93	0	75 - 125	20
Barium	0.00	5	4.68	94	96	2	96	0	75 - 125	20
Cadmium	0.00	5	4.61	92	94	2	93	0	75 - 125	20
Chromium	0.00	5	4.70	94	96	2	95	0	75 - 125	20
Lead	0.00	5	4.67	93	95	2	95	0	75 - 125	20
Selenium	0.00	5	4.71	94	97	3	97	0	75 - 125	20
Silver	0.00	5	4.63	93	95	2	85	0	75 - 125	20

John Keller

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: MERCURY	METHOD: EPA SW846/7471A	MATRIX: TCLP Fluid #1

ANALYSTS: MN	DATE: 03.11.05	UNITS: mg/l	NO.SAMPLES: 18

SAMPLES:	50284.01	50284.02	50284.03	50285.01	50285.02	50286.01	50286.02	50287.01
	50288.01	50288.02	50288.03	50288.04	50288.05	50288.06	50288.07	50282.01
	50300.01	50302.01	50302.01					

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Fluid #1	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF	QC LIMITS RECOV.	QC LIMITS DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	95	0	1	60 - 120	20

JOHN KELLER, Ph.D
Laboratory Director

ERTS 2090

Prof # 2090

EPAHO105000660

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/7/2007**

Dear **James Wilson**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2090

Generator: ERTS
Address: 1506 I-45 North (Southbound Side)
Conroe, TX

Waste Information

Name of Waste: Nonhazardous wastewater
TCEQ Waste Code #: SPIL1191
Container Type:
Detailed Description of Process Generating Waste:
Tote leaking, spill cleanup
Color: brown **Odor:** non-distinct **pH:** 8-9
Physical State:
Incompatibilities: See MSDS
Safety Related Data/Special Handling:
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	ERTS		
Address:	1506 I-45 NORTH (SOUTHBOUND SIDE)		
City, State, Zip:	CONROE, TEXAS		
Contact:	SANDY TENERY	Title:	AGENT
Phone No:	2813673535	Fax No:	2814194492
24/hr Phone:	8008389707		
U.S. EPA I.D. No:	N/A		
State I.D.	N/A	SIC Code:	N/A

SECTION 2: Billing Information – ☐ Same as Above

Company:	MILSTEAD ENVIRONMENTAL		
Address:	29707 W HAWTHORNE DR		
City, State, Zip:	SPRING, TEXAS 77386		
Contact:	SANDY TENNERY	Title:	AGENT
Phone No:	2813673535	Fax No:	2914194492

SECTION 3: General Description of the Waste

Name of Waste: NON HAZARDOUS WASTE WATER
Detailed Description of Process Generating Waste: TOTE LEAKING, SPILL CLEANUP

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: BROWN Odor: NON DISTINCT

Specific Gravity (water=1): 1 TO 1.1 Density: ~~N/A~~ 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 130 BBL ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 Other: ____
Texas State Waste Code No: SPIL1191
Proper U.S. DOT Shipping Name: NON DOT REGULATED (WATER CONTAMINATED W/UNUSED WRG WITH HYCOL)
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point >200 F	pH 8-9	Reactive Sulfides N/Amg/l	Reactive Cyanides N/Amg/l	Solids <1%
Oil&Grease ~~≤1mg/l~~ >15000	TOC ~~N/Amg/l~~ >1800	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
WATER	80-95	90
WRG WITH HYCOL (SEE MSDS)	5-20	10

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
STANDARD

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
SEE MSDS

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: G Sabo agent for Distech Date: 3/7/07

Printed Name/Title: Greg Sabo Agent for DisTech

GES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhat Bhargava Additional Information: Deepwell/Newpark

Date: 3-7-07 (Approved) Rejected IL

Approval Number: 2090

EPAHO105000663

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☑ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000664

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000665

Milstead Environmental

To: Dan **From:** Sandy 3/7/07

Company: CES **Date:** ~~3/6/07~~

Fax Number: 713-676-1676 **No. Of Pages (including cover):** 3

Phone Number: **Reference No.:**

RE: Profile for Hycol

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply

Generating Address
1506 I-45 North
Conroe Texas
WRG Hycol Spill

Codes
#134
#141

Comments -
Newpark
Get w/ Dan B on
load

29707 W. Hawthorne
Spring, Texas 77386
(281) 367-3535 Office
(281) 419-4492 fax
Toll Free (800) 838-9707 Ext. 129

409-794-3119

D-05522 **MATERIAL SAFETY DATA SHEET** Page 1 of 7

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS PREPARED BY: Environmental Health Dept.-Grace Construction Products

W.R.Grace & Co.-Conn.
62 Whittemore Ave.
Cambridge, MA 02140

W. R. Grace & Co. of Canada Ltd.
294 Clements Rd. West
Ajax, Ontario, L1S 3C6

Telephone Number for Information and Emergency Response

In USA: (617) 876-1400 In Canada: (905) 683-8561

MSDS Number: D-05522 000001 Cancels MSDS # D-05436 Date: 03/08/2000

Trade Names and Synonyms: **WRDA® with Hycol**
(SEE SECTION 16 FOR ADDITIONAL PRODUCT IDENTIFICATION)

Chemical Names and Family: Aqueous Solution of Lignosulfonate, Compound Carbohydrates and Amine Salts

Product Use: Concrete Water Reducer/Retarder
Formula: Mixture-NA

CAS# (Chemical Abstract Service): MIXTURE-NA

SECTION 2 - HAZARDOUS INGREDIENT AND MAJOR COMPONENT INFORMATION
(See Section 11 for Complete Chemical Names)

INGREDIENT:	Max. % By Wt.	EXPOSURE LIMITS Exposure Limits OSHA	ACGIH	OTHER
SODIUM O-PHENYLPHENATE CAS# 132-27-4	0.25	None Established	None Established	None Established
GLUTARALDEHYDE CAS# 111-30-8	0.15	0.2 ppm Ceiling (Vacated)	0.05 ppm Ceiling	0.1 ppm Ceiling (Union Carbide)

EXPOSURE GUIDELINES - CANADA

Employers should check with provincial regulatory agencies for exposure guidelines, which may vary locally.

EPAHO105000667

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:

Warning Statements:

CAUTION! MAY CAUSE SKIN AND EYE IRRITATION.

... Contains Lignosulfonate CAS# 8061-52-7, Amine salts CAS# 14806-72-5/68391-54-8, Compound carbohydrates CAS# 8029-43-3 and Water CAS# 7732-18-5. Contains Sodium o-phenylphenate CAS# 132-27-4 or Glutaraldehyde CAS# 111-30-8 at less than 0.25% as a preservative.
... Contact may cause eye irritation.
... Prolonged or repeated skin contact may cause irritation.
... May be harmful if swallowed.
... Read and understand all Health and Safety information on the product Label and Material Safety Data Sheet before use.

NPCA-HMIS Hazard Index:

- Health: 1
- Flammability: 1
- Reactivity: 0
- Personal Protection: B (See Section 8)

Potential Health Effects

Routes of Exposure:

Inhalation:
Adverse health effects are not expected from typical use. However, if product is inhaled as vapor or mist, may cause irritation to the upper respiratory tract causing sore throat, coughing or breathing difficulties.

Skin and Eye:
Not an EYE irritant according to results of a Primary Eye Irritation Study (FHSA). Product is essentially nonirritating to SKIN according to results of a Primary Skin Irritation Test (FHSA).

Ingestion:
Swallowing may irritate mouth, throat and stomach causing pain, nausea and vomiting. Product is essentially non-toxic by ingestion based on results of laboratory animal acute toxicity test.

Carcinogenicity Information:
This product may contain Sodium o-phenylphenate CAS# 132-27-4 as a preservative at a concentration of 0.25% or less. Sodium O-phenylphenate has been shown to cause bladder tumors when fed in exaggerated doses to rats. The compound is classified as IARC Group 2B (possibly carcinogenic to humans). However, risks from handling this product are considered negligible.

EPAHO105000668

SECTION 4 - FIRST AID MEASURES

EYE: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

SKIN: Wash skin with soap and water. If irritation develops and persists, call a physician. Wash contaminated clothes before reuse.

INHALATION: If irritation due to inhalation develops, get fresh air. If symptoms persist, consult a physician.

INGESTION: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >93°C/200°F Flammable Limits:
Method Used: Estimated-Aqueous System LEL N/A UEL N/A

N.F.P.A. Rating: H-1 F-1 R-0

Extinguishing Media

Product is an aqueous solution and unlikely to burn until all water is evaporated. In case of fire use water, dry chemical, Carbon dioxide or "alcohol" foam.

Special Fire Fighting Procedures

Not Applicable

Unusual Fire and Explosion Hazards

Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Prevent product from entering drinking water supplies or streams. Observing precautions above, collect liquid or absorb liquid with an inert, noncombustible material and remove for disposal.

Spill reporting requirements and reportable quantities vary by region. In case of any spill or release, consult Section 6, 13 and 15 of the MSDS and all applicable state and local regulations.

EPAHO105000669

SECTION 7 - HANDLING AND STORAGE INFORMATION

Precautionary Measures:

... Avoid contact with eyes, skin and clothing.
... Wash thoroughly after handling.
... Use with adequate ventilation.
... FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:

Local Exhaust:	Not Generally Required
Mechanical:	Not Generally Required
Special:	Not Applicable
Other:	Not Applicable

Respiratory Protection:
Respiratory protection is not generally required during use of this product. However, if use causes respiratory irritation or generates vapor/mist, a NIOSH-approved organic vapor respirator (Type TC-23C-XXX) with a prefilter for mists is recommended.

Skin Protection:
Rubber or other impervious gloves should be worn to guard against prolonged or repeated contact.

Eye Protection:
Use chemical goggles or face shield if direct contact due to splashing is possible.

Other Protective Clothing or Equipment:
Wear appropriate clothing to prevent skin contact.

Work/Hygienic Practices:
Personal Protective Equipment (PPE) specified above is appropriate for typical production operations and exposures. For any unusual situations such as vessel entry or spill clean-up, your supervisor and/or Health and Safety Department should determine additional PPE requirements and safety procedures.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>100°C/212°F (estimated)	Specific Gravity (H2O=1)	1.1 - 1.2
Vapor Pressure (mm Hg.)	Not Applicable	% Volatiles	~55% (As Water)
Vapor Density (AIR = 1)	Not Applicable	Evaporation Rate (Butyl Acetate = 1)	Approx. Equal to Water
Solubility in Water:	Complete	pH	8 - 9

Bulk Density (#/cu. ft): Not Applicable

Appearance and Odor: Dark brown liquid with slight, non-distinct odor.

Odor Threshold:
None Established

SECTION 10 - STABILITY AND REACTIVITY

Stable under normal conditions (yes or no): YES

Conditions or Materials to avoid (which may react or cause instability):
Avoid contact with strong oxidizers.

Hazardous Decomposition or Byproducts:
Sulfur dioxide, Carbon dioxide and Carbon monoxide.

Hazardous Polymerization:
Will not occur

Conditions to Avoid:
None known

SECTION 11 - TOXICOLOGICAL INFORMATION

INGREDIENT (Chemical Name, CAS#, & Common Name)	TOXICITY DATA LD50, LC50 etc. (See Section 2 for Exposure Limits)	
MRDA® with Hycol CAS# Mixture	LD50 (oral, rat):	<5,000 mg/kg
Sodium O-phenylphenate CAS# 132-27-4	LD50 (oral, rat):	1,049 mg/kg
Glutaraldehyde CAS# 111-30-8	LD50 (oral, rat):	134 mg/kg

EPAHO105000671

SECTION 12 - ECOLOGICAL INFORMATION

None Available At This Time.

SECTION 13 - DISPOSAL CONSIDERATIONS

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. Dispose of waste in accordance with all applicable regulations.

Waste of this product is not defined as hazardous according to EPA RCRA Regulations (40 CFR § 261).

SECTION 14 - TRANSPORT INFORMATION

Transportation Hazard Classification

PROPER SHIPPING NAME: Not Applicable
HAZARD CLASS: Not Applicable
IDENTIFICATION #: Not Applicable
LABEL(s) REQUIRED: Not Applicable

Surface Freight Classification: Concrete or Masonry Plasticizer & Water Reducing Compound

SECTION 15 - REGULATORY INFORMATION

(Not Meant To Be All Inclusive Selected Regulations Represented)

SARA Title III Reporting Information

Tier I & II Hazard Categories: IMMEDIATE (ACUTE) HEALTH
DELAYED (CHRONIC) HEALTH

Contains Extremely Hazardous-SARA III Section 302 Ingredient: NO
Comments:

Contains Toxic Chemical Release-SARA III Section 313 Ingredient: YES
Comments: May contain Sodium o-phenylphenate at 0.25% max.: REPORTABLE

Other Government Reporting Requirements:

CHEMICAL INVENTORY CERTIFICATION:

For U.S. Products ONLY

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory.

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SECTION 15 - REGULATORY INFORMATION (Cont'd)

(Not Meant To Be All Inclusive Selected Regulations Represented)

For Canadian Products ONLY
All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL).

CERCLA/SARA SECTION 304 HAZARDOUS SUBSTANCES: Not Applicable

STATE SPECIFIC EMERGENCY RELEASE REQUIREMENTS:
Some state regulated reportable quantity thresholds may be more stringent than the federal requirements noted above. Due to the complex and dynamic nature of these regulations, it is not possible to provide a complete summary. You should contact the Environmental Compliance Coordinator in your company or the appropriate Department of Environmental Protection if product is released to land or water.

CALIFORNIA PROPOSITION 65 INFORMATION: WARNING! This product may contain substances at trace levels known to the state of California to cause cancer, birth defects or other reproductive harm.

WHMIS CLASS: D-2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR). This MSDS contains all the information required by the CPR.

Non-Hazardous Ingredient Disclosure:
Water CAS# 7732-18-5, Lignosulfonate CAS# 8061-52-7, Compound carbohydrates CAS# 8029-43-3 and Amine salts 14806-72-5/68391-54-8.

SECTION 16 - OTHER INFORMATION

The information contained in this Material Safety Data Sheet is applicable to the following products:

WRDA® with Hycol

"THE DATA INCLUDED HEREIN ARE PRESENTED IN ACCORDANCE WITH VARIOUS ENVIRONMENT, HEALTH AND SAFETY REGULATIONS. IT IS THE RESPONSIBILITY OF A RECIPIENT OF THIS DATA TO REMAIN CURRENTLY INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE ITS OWN PROGRAM AND TO COMPLY WITH ALL NATIONAL, FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS APPLICABLE TO SAFETY, OCCUPATIONAL HEALTH, RIGHT-TO-KNOW AND ENVIRONMENTAL PROTECTION."

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Enterprise Products 2091
Prof # 2091

EPAHO10500674

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/8/2007**

Dear **Stephen Craig**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2091

Generator: Enterprise products Operating LP-Jacintoport Facility
Address: 15602 Jacintoport Rd
Houston, TX 77015

Waste Information

Name of Waste: Naphtha
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Naphtha
Color: clear **Odor:** aromatic **pH:** na
Physical State:
Incompatibilities: oxidizing agents, reducing agents, organic materials, acids, alkalies
Safety Related Data/Special Handling:
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : ENTERPRISE PRODUCTS (OTTI FACILITY)
Address : 15602 JACINTO PORT BLVD
City, State, Zip : HOUSTON, TEXAS 77015
Contact : RON SWAIN Title : MARINE TERMINAL SUPERVISOR
Phone No : 281.452.5178 Fax :
24 / HR Phone : 713.553.3747
U.S EPA I.D No : TXR000003781
State I.D : 56196 SIC Code 1321

SECTION 2: Billing Information

Company : ENTERPRISE PRODUCTS
Address : PO BOX 573
City, State, Zip : MONT BELVIEU, TEXAS 77580
Contact : STEPHEN J. CRAIG Title : ENVIRONMENTAL SCIENTIST
Phone No : 281.385.4396 Fax : 281.385.4532

SECTION 3: General Description of the Waste

Name of Waste : Naphtha

Physical State : ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color : clear Odor : Aromatic
Specific Gravity (Water=1) : .76 Density : 6.34 lbs / gal
Layers : ☑ Single-Phas ☐ Multi-Phase
Container Type : ☐ Drum ☑ Tote ☐ Truck ☐ Other (explain)
Container Size : 300
Number Of Units : 5
Texas State Waste Code No : Recycle
Proper U.S. State Waste Code No : Petroleum Distillate, NOS (naphtha) UNNA 1268 PG II
Class : 3 UN/NA : 1268 PG : II RQ : NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	N/A	N/A mg/l	N/A mg/l	N/A %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

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SECTION 4: Physical and Chemical Data

Napthlha 100 %

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MS DS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizing Agents, reducing Agents, Organic materials, Acid, Alkalis.

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ✓

TCLP Volatiles : ✓

TCLP Semi-Volatiles : ✓

Reactivity : ✓

Corrosivity : ✓

Ignitability : ✓

SECTION 9: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : [signature] Date : 3/8/07

Printed Name / Title : STEPHEN J. CRAIG / ENVIR. SCIENTIST

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Rabhakar Bhangwa

Date : 3-8-07 Status : Approved Rejected REC

Approval Number : 2091

Special Pricing / Analytical Info:
$300/tote for Recycle plus
$250 for Trans.

Recommended Treatment:
Blend with light ends if Appropriate

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: *Subpart A*

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: *Subpart B*

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory *Subpart C*

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

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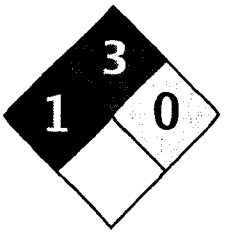
ScienceLab.com
Chemicals & Laboratory Equipment



Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Precipitation Naptha, ASTM MSDS

Section 1: Chemical Product and Company Identification

Product Name: Precipitation Naptha, ASTM

Catalog Codes: SLN1861

CAS#: 8030-30-6

RTECS: DE3030000

TSCA: TSCA 8(b) inventory: Precipitation Naptha, ASTM

CI#: Not applicable.

Synonym:

Chemical Name: Precipitation Naptha, ASTM

Chemical Formula: Not applicable.

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Isopentane	78-78-4	2
{n-}heptane	142-82-5	22
Pentane	109-66-0	25
Hexane(s)	110-54-3	26
Isohexane	107-83-5	25

Toxicological Data on Ingredients: Isopentane LD50: Not available. LC50: Not available. n-heptane LD50: Not available. LC50: Not available. Pentane LD50: Not available. LC50: Not available. Hexane(s): ORAL (LD50): Acute: 28710 mg/kg [Rat]. Isohexane LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation. Slightly hazardous in case of skin contact (sensitizer). Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
Slightly hazardous in case of inhalation.

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CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Hexane(s)].
The substance is toxic to blood, kidneys, liver.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
If swallowed, do NOT induce vomiting. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed- can enter lungs and cause damage. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 232°C (449.6°F)

Flash Points: CLOSED CUP: -29°C (-20.2°F).

Flammable Limits: LOWER: 0.6% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks.
Flammable in presence of heat, of oxidizing materials, of reducing materials, of combustible materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards: Vapor may travel considerable distance to source of ignition and flash back.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Toxic flammable liquid, insoluble or very slightly soluble in water.
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, organic materials, acids, alkalis.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 400 from ACGIH (TLV) [United States] [1995]
TWA: 1590 from ACGIH (TLV) [United States] [1995]
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

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Physical state and appearance: Liquid. (Clear viscous liquid.)

Odor: Aromatic. (Slight.)

Taste: Not available.

Molecular Weight: Not applicable.

Color: Pale color.

pH (1% soln/water): Not applicable.

Boiling Point: 178°C (352.4°F)

Melting Point: May start to solidify at -90.6 (-131.1°F) based on data for: n-heptane. Weighted average: -118.68°C (-181.6°F)

Critical Temperature: Not available.

Specific Gravity: 0.76 (Water = 1)

Vapor Pressure: 0.6 kPa (@ 20°C)

Vapor Density: 5.65 (Air = 1)

Volatility: Not available.

Odor Threshold: The highest known value is 230 ppm (n-heptane) Weighted average: 108.83 ppm

Water/Oil Dist. Coeff.: The product is much more soluble in oil.

Ionicity (in Water): Not available.

Dispersion Properties:
Easily dispersed in methanol, diethyl ether, n-octanol.
Is not dispersed in cold water, hot water.
See solubility in methanol, diethyl ether, n-octanol, acetone.

Solubility:
Easily soluble in diethyl ether, n-octanol, acetone.
Partially soluble in methanol.
Very slightly soluble in hot water.
Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances:
Reactive with oxidizing agents, reducing agents, organic materials, acids, alkalis.
Slightly reactive to reactive with metals.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

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Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 28710 mg/kg [Rat]. (Hexane(s)).

Chronic Effects on Humans:
DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Hexane(s)].
Causes damage to the following organs: blood, kidneys, liver.

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.
Slightly hazardous in case of skin contact (sensitizer).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in animal. (Hexane(s))

Special Remarks on other Toxic Effects on Humans: Moderately toxic and narcotic in high concentrations.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Petroleum distillate, n.o.s. (Naphtha) UNNA: 1268 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Precipitation Naptha, ASTM
Florida: Hexane(s); Isohexane
Minnesota: Hexane(s); Isohexane
Massachusetts RTK: Precipitation Naptha, ASTM

New Jersey: Hexane(s)
TSCA 8(b) inventory: Precipitation Naptha, ASTM
TSCA 8(d) H and S data reporting: Hexane(s); Isohexane: June 1999
TSCA 12(b) one time export: Hexane(s)
SARA 313 toxic chemical notification and release reporting: Hexane(s) 26%
CERCLA: Hazardous substances.: Hexane(s);

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable.
R20- Harmful by inhalation.
R36/38- Irritating to eyes and skin.
R51/53- Toxic to aquatic organisms,
may cause long-term adverse effects
in the aquatic environment.
R62- Possible risk of impaired fertility.
R65- Harmful: may cause lung
damage if swallowed.
S2- Keep out of the reach of children.
S46- If swallowed, seek medical advice
immediately and show this container or label.
S56- Dispose of this material and its container
at hazardous or special waste collection point.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Vapor respirator. Be sure to use an
approved/certified respirator or
equivalent. Wear appropriate respirator
when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 10:53 AM

Last Updated: 10/10/2005 10:53 AM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.

Black Warrior Wireline 2092
Prof # 2092

EPAHO105000686

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **3/9/2007**

Dear **John Berube**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2092

Generator: Black Warrior Wireline
Address: 3735 CR 56
Rosharon, TX 77583

Waste Information

Name of Waste: Rinse water
TCEQ Waste Code #: CESQ2052
Container Type:
Detailed Description of Process Generating Waste:
From the external cleaning of oilfield equipment, forklifts, trucks, etc.
Color: grey **Odor:** none **pH:** neutral
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Black Warrior Wireline		
Address:	3735 CR 56		
City, State, Zip:	Rosharon, TX 77583		
Contact:	John Berube	**Title:**	Manager
Phone No:	281-431-6600	**Fax No:**	281-431-6607
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TX CESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Rinse Water
Detailed Description of Process Generating Waste: From the external cleaning of oilfield equipment, forklifts, trucks etc.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Grey **Odor:** none

Specific Gravity (water=1): 1.0 **Density:** 8 lbs/gal

Layers: ☒ Single-phase ☒ Multi-phase

Container Type:	☐ Drum	☐ Tote	☒ Truck	☐ Other (explain)
Container Size:	____	____	4000 g	____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: CESQ2052
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >150	**pH** neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** <2%
Oil&Grease <1500 ~~0-1%~~ mg/l	**TOC** <1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	99-100	%
Oil	0-.001	%
Dirt, algae	0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
CES Report ✓ Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: 3-5-07

Printed Name/Title: John Berube District MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 3-9-07 Approved Rejected OL

Approval Number: 2092

EPAHO105000689

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

EPAHO105000690

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105000691

PAGE 01
MES
-2814764406
03/08/2007 17:40
EPAHO10500692

MES - CHAIN OF CUSTODY

1-800-771-4MES
(281) 476-4534
Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
Fax (281)-476-4406

1
COMPANY NAME: (BILL TO:) CES Environmental
COMPANY ADDRESS: 4904 Griggs
CITY H STATE TX ZIP 77021
CONTACT PERSON'S NAME: Gary Brauchman
CONTACT PERSON'S PHONE: _____ FAX #: _____

2
YOUR PROJECT NO.: _____ YOUR P.O. #: 03-Blackwarrior YOUR PROJECT NAME: Black Warrior Wireline
PROJECT ADDRESS:

4 PARAMETERS FOR ANALYSIS: TPH

5 REMARKS
TURNAROUND TIME: Rush
DETECTION LIMITS SPECIAL LIMITS REQUIRED: Yes No
Please circle one, if Yes, please describe below or include separate sheet detailing requirements.

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TPH	NUMBER OF CONTAINERS	PRESERVATIONS
Wash Water.	G	3-2-07	2:30	L	✓	1	

3

ON ICE 10.4 C

6
PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): a. Gary Brauchman b. [signature]
RELINQUISHED BY: (Signature) [signature] DATE 3-7-07 TIME 15:40
RECEIVED BY: (Signature) Allison Diamond

7
RELINQUISHED BY: (Signature) Allison Diamond DATE 3/7/07 TIME 16:20
RECEIVED BY: (Signature) Cassabelle
RELINQUISHED BY: (Signature) DATE TIME
RECEIVED BY: [Signature]

METHOD OF PAYMENT
SHIPPED BY: (Signature)
COURIER (Signature)
RECEIVED FOR MES BY: (Signature) Cassabelle DATE 3/7 TIME 16:20

8
Sample Remainder Disposal
☐ Return Sample Remainder To Client Via _____
☐ I Request Lab To Dispose Of All Sample Remainders
(Signature) _____ (Date) _____

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample **PINK – Retained by Customer** **WHITE – Returned with Report**

CES GB-Blackwarrior Washwater

TPH METHOD 1005

Sample No	7030178
Analyst	hdg
Date analyzed	03/08/07
Time	1156

Calibration date: 07-27-2005

	mg/l	%REC CCV	%REC MS	%REC MSD	MS rpd	mg/kg MB
C6-C12	15	119.4	100.8	111.6	10.17	<4
C12-C28	32	122.0	98.0	109.2	10.81	<8
C28-C36	<5					
TOTAL TPH	<52					

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

JR
GD

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-2092**

Customer: **Black Warrior Wireline**

Waste Generator: **Black Warrior Wireline**

Waste Stream Name: **Rinse water**

Expiration Date: **3/9/2009**

yes

✓

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

- TCLP Metals
- TCLP Volatiles
- TCLP Semi-volatiles
- Reactivity
- Corrosivity
- Ignitability

BLACK WARRIOR WIRELINE
Customer Name

Tony Ne
Signature

DISTRICT MANAGER
Company / Title

3-24-09
Date