Mogas 1323
Profile # 1323

REDACTED VERSION

EPAHO10200280

9586103

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **6/12/2008**

Dear **Sam Furman**

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 # 1323

Expiration Date 1/16/2008

Generator: MOGAS
Address: 14330 E. Hardy Street
Houston, TX 77039

Waste Information

Name of Waste: Lapping Compound Sludge
TCEQ Waste Code #: 00022051
Container Type: Drum
Detailed Description of Process Generating Waste:
Lapping compound sith silicon carbide and machine oil is used to finish the surface of ba valves. The oily sludge material is put into drums along with rags of naphtha solvent anc clay absorbent from cleaning up grease and oil off of the floor.

Color: Brown to black **Odor:** Oil like **pH:** Neutral
Physical State: Sludge
Incompatibilities:
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 :	MOGAS		
Address :	14330 E. Hardy Street		
City, State, Zip :	Houston TX 77039		
Contact :	Sam Furman	Title :	
Phone No :	(281) 449-0291	Fax :	(281) 987-3541
24 / HR Phone :			
U.S EPA I.D No :	TXD988021026		
State I.D :	39672	SIC Code	

SECTION 2: Billing Information

Company :	MOGAS		
Address :	14330 E. Hardy Street		
City, State, Zip :	Houston TX 77039		
Contact :	Sam Furman	Title :	
Phone No :	(281) 449-0291	Fax :	(281) 987-3541

SECTION 3: General Description of the Waste

Name of Waste : Lapping Compound Sludge

Detailed Description of the Process Generating Waste:

Lapping compound slih silicon carbide and machine oil is used to finish the surface of ball valves. The oily sludge material is put into drums along with rags of naphtha solvent and clay absorbent from cleaning up grease and oil off of the floor.

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

Color : Brown to black Odor : Oil like

Specific Gravity (Water=1) : 1.6-2 Density : 12 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	2895	2899	2911	3312	4953	4959	9511

Layers : ☑ Single-Phas ☒ Multi-Phase

Container Type : ☒ Drum ☒ Tote ☒ Truck ☒ Other (explain)

Container Size : 55

Number Of Units : 10

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

Jun-06-2008 06:25 AM MOGAS Industries Inc. 2815908783 2/5

EPAHO102000282

☐ 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 : 00022051

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
>150	Neutral	0 mg/l	0 mg/l	95 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500 mg/l	>1500 mg/l	0 mg/l	0 mg/l	0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
Lapping compound (Silicon Carbide and Oil)	50-80	%
Metal fines	2-10	%
Oil	5-20	%
Clay absorbent	0-15	%
Trash as PPE, cups, cans, wood debris, etc.	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.
Analytical

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 :

TCLP Volatiles : X

TCLP Semi-Volatiles : X

Jun-06-2008 06:25 AM MOGAS Industries Inc. 2815908783 3/5

EPAHO102000283

Corrosivity :

Ignitability :

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

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

Jun-06-2008 06:25 AM MOGAS Industries Inc. 2815908783

EPAHO102000284

☐ 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 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 : Rickey Caldwell Date : 1/13/2008

Printed Name / Title : Rickey Caldwell / Rickey Caldwell, Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :
$55.00 DM
$200.00 Trans

Compliance Officer : Prabhakar Thangudu

Date : 1/16/2008 Status : Approved Rejected

Approval Number : 1323

Jun-06-2008 06:25 AM MOGAS Industries Inc. 2815908783

EPAHO102000285

MOGAS
SEVERE SERVICE BALL VALVES

Mogas Industries, Inc.
14330 E. Hardy St. Houston, TX 77039
Phone (281) 449-0291 Fax (281) 590-3412

Fax Cover Sheet

Company: C.E.S. ENVIRONMENTAL SERVICES INC.

To: BARAJAS NOELIA

From: RICK CALDWELL @ FAX# (281)590-8783

Pages, Including Cover: 5 Fax No.: 713-676-1676

Re: SIGNATURE NEEDED

If you have difficulties receiving this information, please notify RICK @ (281) 449-0291.

Jun-06-2008 06:25 AM MOGAS Industries Inc. 2815908783 1/5

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/16/2006**

Dear **Sam Furman**

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 # 1323

Generator: MOGAS
Address: 14330 E. Hardy Street
Houston, TX 77039

Waste Information

Name of Waste: Lapping Compound Sludge
TCEQ Waste Code #: 00022051
Container Type: Drum
Detailed Description of Process Generating Waste:
Lapping compound sith silicon carbide and machine oil is used to finish the surface of ba valves. The oily sludge material is put into drums along with rags of naphtha solvent anc clay absorbent from cleaning up grease and oil off of the floor.

Color: Brown to black **Odor:** Oil like **pH:** Neutral
Physical State: Sludge
Incompatibilities:
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	MOGAS Industries, Inc.		
Address:	14330 E. Hardy Street		
City, State, Zip:	Houston, TX 77039		
Contact:	Sam Furman or Rickey Caldwell	**Title:**	Managers
Phone No:	281-449-0291	**Fax No:**	281-987-3541
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD988021028		
State I.D.	39672	**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: Lapping Compound Sludge
Detailed Description of Process Generating Waste: Lapping compound sith silicon Carbide and machine oil is used to finish the surface of ball valves. The oily sludge material is put into drums along with rags of naphtha solvent and clay absorbent from cleaning up grease and oil off of the floor.

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

Color: Brown to Black **Odor:** Oil like

Specific Gravity (water=1): 1.5-2.0 **Density:** 12 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): 10 **Other:** _____
Texas State Waste Code No: 00022051
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

EPAHO102000288

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	neutral	0mg/l	0mg/l	95%

Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	0mg/l	0mg/l	0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Lapping compound (Silicon Carbide and Oil)	50-80	%
Metal Fines	2-10	%
Oil	5-20	%
Clay Absorbent	0-15	%
Trash as PPE, cups, cans, wood debris etc.	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.
See Attached Analysis

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: 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: _____ **Date:** ____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Thompson

Date: 1-16-06 Approved Rejected

Approval Number: 1323

Additional Information: _____

EPAHO102000289

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

EPAHO102000290

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 #: 1323

Customer: MOGAS

Waste Generator: MOGAS

Waste Stream Name: Lapping Compound Sludge

Expiration Date: 1/16/2008

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

MOGAS INDUSTRIES
Customer Name

Rickey Caldwell
Signature

ENVIRONMENTAL SUPERVISOR
Company / Title

6-20-08
Date

Jun-20-2008 10:01 AM MOGAS Industries Inc. 2815908783

EPAHO102000291

O'Neil Steel 1318
Profile# 1318

EPAHO102000292

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/13/2006**

Dear **Pete Santiago**

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 # 1318

Generator: O'Neal Steel, Inc.
Address: 9500 Clinton Dr.
Houston, TX 77029

Waste Information

Name of Waste: Oily Water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Hydraulic Oil and cutting oil from machining operations are collected in containers. Rai water is introduced into some drums.

Color: Brown to black **Odor:** Oil like **pH:** neutral
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : O'Neal Steel, Inc.
Address : 9500 Clinton Dr.
City, State, Zip : Houston TX 77029
Contact : Pete Santiago **Title :**
Phone No : (713) 675-1900 **Fax :**
24 / HR Phone :
U.S EPA I.D No : N/A
State I.D : N/A **SIC Code**

SECTION 2: Billing Information

Company : O'Neal Steel, Inc.
Address : 9500 Clinton Dr.
City, State, Zip : Houston TX 77029
Contact : Pete Santiago **Title :**
Phone No : (713) 675-1900 **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of Process Generating Waste:

Hydraulic Oil and cutting oil from machining operations are collected in containers. Rain water is introduced into some drums.

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

Color : Brown to black **Odor :** Oil like

Specific Gravity (Water=1) : .9-1 **Density :** 8 lbs / gal

Layers : ☐ Single-Phas ☑ Multi-Phase

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

Container Size :

Number Of Units : 1

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
>200	neutral	0 mg/l	0 mg/l	<3 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500 mg/l	>1500 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO102000294

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Cutting and hydraulic oil	5-20	%
Water	80-95	%
Dirt	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.
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 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 : _____ **Date :** 1/13/2006

Printed Name / Title : Pete Santiago / Pete Santiago, Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 1/13/2006 **Status :** Approved Rejected

Approval Number : 1318

Additional Information

EPAHO102000295

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

EPAHO102000296

(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.

EPAHO102000297

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **7/22/2008**

Existing

Dear **Pete Santiago**

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 # 1318

Expiration Date 1/13/2009

Generator: O'Neal Steel, Inc.
Address: 9500 Clinton Dr.
Houston, TX 77029

Waste Information

Name of Waste: Oily Water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Hydraulic Oil and cutting oil from machining operations are collected in containers. Rain water is introduced into some drums.
Color: Brown to black **Odor:** Oil like **pH:** neutral
Physical State: Liquid
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 :	O'Neal Steel, Inc.		
Address :	9500 Clinton Dr. 9500 Clinton Dr.		
City, State, Zip :	Houston TX 77029		
Contact :	Pete Santiago	**Title :**	
Phone No :	(713) 675-1900	**Fax :**	
24 / HR Phone :			
U.S EPA I.D No :	N/A		
State I.D :	N/A	**SIC Code**	

SECTION 2: Billing Information

Company :	O'Neal Steel, Inc.		
Address :	9500 Clinton Dr. 9500 Clinton Dr.		
City, State, Zip :	Houston TX 77029		
Contact :	Pete Santiago	**Title :**	
Phone No :	(713) 675-1900	**Fax :**	

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of the Process Generating Waste:

Hydraulic Oil and cutting oil from machining operations are collected in containers. Rain water is introduced into some drums.

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

Color : Brown to black **Odor :** Oil like

Specific Gravity (Water=1) : .9-1 **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

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 : 800

Number Of Units : 1

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

☐ 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 Material

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	neutral	0 mg/l	0 mg/l	<3 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500 mg/l	>1500 mg/l	0 mg/l	0 mg/l	0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
Cutting and hydraulic oil	5-20	%
Water	80-95	%
Dirt	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.
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 generators knowledge

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

Ignitability : X

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

(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 : _____ **Date :** 1/13/2006

Printed Name / Title : Pete Santiago / Pete Santiago, Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 1/13/2007 **Status :** Approved Rejected

Approval Number : 1318

Process Facility Information :

$12.00 per 5 gal
$45.00 per 55 gal
Trans $150.00

From O'NEAL

To

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Fax

To: O'Neal Steel, Inc. **From:** Noelia Barajas

Fax: 7136751940 **Pages:** 5

Phone: **Date:** 6/4/08

Gentlemen:

This profile (CES Profile Number: 1318 **) is missing your signature. I will appreciate it if you would please sign and fax it back to CES at 713-676-1676.** Please Sign Page 4. at the mark *. Done

Thank you for your help.

Yours truly,

Barajas Noelia.

Noelia Barajas

GB
JR

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-1318**

Customer: **O'Neal Steel, Inc.**

Waste Generator: **O'Neal Steel, Inc.**

Waste Stream Name: **Oily Water**

Expiration Date: **1/13/2009**

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

O'NEAL STEEL, INC
Customer Name

Signature

O'NEAL STEEL Production MANAGER
Company / Title

12/18/08
Date

TOTAL P.02

Houston Plating & Coating @ Bak 1/31/2001
Profile # 1312

EPAHO102000305

L. Lane

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 #: **1312**

Customer: **Houston Plating and Coating LLC @ Baker Oil Tool**

Waste Generator: **Houston Plating and Coating LLC @ Baker Oil Tool**

Waste Stream Name: **Non-Hazardous DN 30 Parts Washer**

Expiration Date: **1/13/2008**

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, LLC - Lower Liner Hanger Manufacturing Shipping Door
Customer Name
9100 Emmott Road

Joseph Stankovich
Signature

V.P. Environmental
Company / Title

12/6/07
Date

New analytical will be performed on this waste stream 0001205I in July 2008.

PCT

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 00062051 USED / USED DN30 PARTS WASH CLEANER LIQUID, OILY WATER

GENERATOR KNOWLEDGE
EMMOTT ROAD LLHMSD
Revised September 2006

A composite sample of this waste was taken on December 7, 2004 and analyzed for:

TCLP- metals- As, BA, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, V, and Hg
Reactivity, Corrosivitivy and Ignitability
TPH
The analytical showed this waste could be a class 2 waste but the Company wanted to keep things simple and classified it as being class 1.

On 9/25/2006 a composite sample was taken if the used DN30parts wash cleaner and analyzed for:

TCLP metals-Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, V
Reactivity, Corrosivity and Ignitability
TPH
TCLP Volatiles + Semi Volatiles

The analytical results showed this waste could be a Class 2 waste but the Company continued to want to keep things simple and classified it as being a Class 1.

Joseph Stankovich

December 14, 2004
Joseph Stankovich
Revised September 2006

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1312**

Waste Generator: **Houston Plating and Coating@ Baker Oil Tool**

Waste Stream Name: **Non-Hazardous DN 30 Parts Washer**

Expiration Date: **1/13/2007**

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.

Joseph STANICOVICH 12/12/06
Customer Name

Joseph Stanicovich
Signature

VICE President
Title

Houston Plating + Coatings, LLC

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/13/2006**

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 # 1312

Generator: Houston Plating and Coating @ Baker Oil Tool
Address: 9100 Emmott Rd, Door 14 Lower Hanger Man. Door
Houston, TX 77040

Waste Information

Name of Waste: Non-Hazardous DN 30 Parts Washer
TCEQ Waste Code #: 00062051
Container Type: Truck
Detailed Description of Process Generating Waste:
Spent DN 30 parts washer (neutralized) and water used to clean parts prior to phosphatin
Color: **Odor:** **pH:** 6-10
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company :	Houston Plating and Coating @ Baker Oil Tool		
Address :	9100 Emmott Rd, Door 14 Lower Hanger Man. Door		
City, State, Zip :	Houston TX 77040		
Contact :	Joe Stankovich	**Title :**	
Phone No :	(713) 946-8920	**Fax :**	
24 / HR Phone :			
U.S EPA I.D No :	TXCESQG		
State I.D :	87461	**SIC Code**	3471; 3479

SECTION 2: Billing Information

Company :	Houston Plating and Coating @ Baker Oil Tool		
Address :	9100 Emmott Rd, Door 14 Lower Hanger Man. Door		
City, State, Zip :	Houston TX 77040		
Contact :	Joe Stankovich	**Title :**	
Phone No :	(713) 946-8920	**Fax :**	

SECTION 3: General Description of the Waste

Name of Waste : Non-Hazardous DN 30 Parts Washer

Detailed Description of Process Generating Waste:

Spent DN 30 parts washer (neutralized) and water used to clean parts prior to phosphating

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

Color : _____ **Odor :** _____

Specific Gravity (Water=1) : .9-1.1 **Density :** 9.255 lbs / gal

Layers : ☐ Single-Phas ☑ Multi-Phase

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

Container Size : 5000

Number Of Units : 1

Texas State Waste Code No : 00062051

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste DN30 parts washer

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	6-10	0 mg/l	0 mg/l	0-1 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>100 mg/l	na mg/l	na mg/l	na mg/l	na mg/l

EPAHO102000311

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oil and Grease	0-2	%
DN30 Parts Washer	25-40	%
Water	60-75	%

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.
MSDS on DN30 Parts Washer

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 : _____ **Date :** 1/11/2006

Printed Name / Title : Joe Stankovich / Joe Stankovich, VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 1/13/2006 **Status :** Approved Rejected

Approval Number : 1312

Additional Information

EPAHO102000312

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

EPAHO102000313

(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.

- [x] 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.

EPAHO102000314

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **6/12/2008**

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 # 1312

Expiration Date 1/13/2010

Generator: Houston Plating and Coating LLC @ Baker Oil Tool
Address: 9100 Emmott Rd, Door 14 Lower Hanger Man. Door
Houston, TX 77040

Waste Information

Name of Waste: Non-Hazardous DN 30 Parts Washer
TCEQ Waste Code #: 00062051
Container Type: Truck
Detailed Description of Process Generating Waste:
Spent DN 30 parts washer (neutralized) and water used to clean parts prior to phosphatin
Color: **Odor:** **pH:** 6-10
Physical State: Liquid
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.

1312
DN30
EMMOTT

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 and Coating LLC @ Baker Oil Tool
Address : 9100 Emmott Rd, Door 14 Lower Hanger Man. Door PO Box 418
City, State, Zip : Houston TX 77040
Contact : Joe Stankovich **Title :**
Phone No : (713) 946-8920 **Fax :**
24 / HR Phone :
U.S EPA I.D No : N/A
State I.D : 87461 **SIC Code** 3471; 3479

SECTION 2: Billing Information

Company : Houston Plating and Coating LLC @ Baker Oil Tool
Address : PO Box 418
City, State, Zip : Houston TX 77040
Contact : Joe Stankovich **Title :**
Phone No : (713) 946-8920 **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Non-Hazardous DN 30 Parts Washer

Detailed Description of the Process Generating Waste:

Spent DN 30 parts washer (neutralized) and water used to clean parts prior to phosphating

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

Color : **Odor :**

Specific Gravity (Water=1) : .9-1.1 **Density :** 9.255 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 : 5000

Number Of Units : 1

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

EPAHO102000316

☐ 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 : 00062051

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste DN30 parts washer

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	6-10	0 mg/l	0 mg/l	0-1 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>100 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 %
Water	60-75	%
DN30 Parts Washer	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.
MSDS on DN30 Parts Washer

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 Volatiles : X
TCLP Semi-Volatiles : X
Reactivity : X

EPAHO102000317

Corrosivity : x

Ignitability : x

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

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

EPAHO102000318

[ ] 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 Joseph Stankovich **Date :** 1/11/2006

Printed Name / Title: Joe Stankovich / Joe Stankovich, VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 1/13/2008 **Status :** Approved Rejected

Approval Number : 1312

Process Facility Information :

Get % Solids and forward % to billing in Notes
$65/dm
Bulk .21/gal (.08 as trans to newpark)
Case by Case if Solid Surcharges
FORWARD TO NEWPARK******

EPAHO102000319

GATX (Plantersville) 1309
Profile# 1309

EPAHO102000320

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 #: **1309**

Customer: **GATX (Plantersville)**

Waste Generator: **GATX (Plantersville)**

Waste Stream Name: **Non-hazardous Wastewater**

Expiration Date: **1/12/2008**

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.

GATX Corp. Shop 172
Customer Name

Signature

GATX Corp. / Plant Manager
Company / Title

12/10/07
Date

PAT

TOTAL P.02

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/12/2006**

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 # 1309

Generator: GATX (Plantersville)
Address: PO Box 410
Plantersville, TX 77363

Waste Information

Name of Waste: Non-hazardous Wastewater
TCEQ Waste Code #: 00061192
Container Type: Truck
Detailed Description of Process Generating Waste:
Wash water generated during the cleaning process of RCRA empty railcars
Color: Clear-Dark **Odor:** None **pH:** 3-11
Physical State: Liquid
Incompatibilities: None Known
Safety Related Data/Special Handling:
Standard PPE Required

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 :	GATX (Plantersville)		
Address :	PO Box 410		
City, State, Zip :	Plantersville TX 77363		
Contact :	Terry Nale	**Title :**	Environmental Manager
Phone No :	(936) 894-3483	**Fax :**	(936) 894-3517
24 / HR Phone :	(936) 894-3483		
U.S EPA I.D No :	TXR000042739		
State I.D :	86778	**SIC Code**	

SECTION 2: Billing Information

Company :	GATX (Plantersville)		
Address :	PO Box 410		
City, State, Zip :	Plantersville TX 77363		
Contact :	Terry Nale	**Title :**	
Phone No :	(936) 894-3483	**Fax :**	(936) 894-3517

SECTION 3: General Description of the Waste

Name of Waste : Non-hazardous Wastewater

Detailed Description of Process Generating Waste:

Wash water generated during the cleaning process of RCRA empty railcars

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

Color : Clear-Dark **Odor :** None

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

Layers : ☑ Single-Phas ☐ Multi-Phase

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

Container Size : 130 bbl

Number Of Units : 5000

Texas State Waste Code No : 00061192

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

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	<20 mg/l	<20 mg/l	0-2 %
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

EPAHO102000323

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Ferric Chloride	0.5-1	%
Phosphoric Acid	0.5-1	%
Hydrochloric Acid	0.5-1	%
Sodium Hydroxide	0.5-1	%
Rust and Sand	0.5-2	%
Water	97-99	%

SECTION 5: Safety Related Data

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

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 : TCLP Metals are below regulatory limits
TCLP Volatiles : TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits
Reactivity : No reactive materials are present
Corrosivity : pH is neutral (checked prior to shipping)
Ignitability : No ignitable materials are present

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 : Terry L Nale **Date :** 1/11/2006

Printed Name / Title : Terry L. Nale Environmental manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer :

Date : 1-12-06 **Status :** Approved Rejected

Approval Number : 1309

Additional Information

EPAHO102000324

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

EPAHO102000325

(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.

EPAHO102000326

1307
South Coast (Wallisville)

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 748-8664

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-1307**

Customer: **South Coast Terminals (Wallisville)**

Waste Generator: **South Coast Terminals (Wallisville)**

Waste Stream Name: **Wastewater/Trench Sludge**

Expiration Date: **1/10/2009**

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

Rolinda Adame'
Signature

HSE Manager
Company / Title

2/27/09
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

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

South Coast Terminals
7401 Wallisville Rd
Houston, TX 77020

Phone: (713) 672-2401
Fax: (713) 671-5487

Attn: **Belinda Adame**

- CERTIFICATE OF RESULTS -

MES Lab#: 9020110
Client Sample ID: Outfall 001
Extended ID: Stormwater Discharge

Sample Collect Date: 2/6/2009 @ 1:30:00 PM **Sample Type:** Grab
Sample Receipt Date: 2/6/2009 @ 2:30:00 PM

Test Group / Method

Corrosivity: pH Method: SW-846 9045	MDL		Result	Units	Analyst: DB Date / Time
pH			**8.74**		2/19/2009 / 12:00 PM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL		Result	Units	Analyst: SA Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	2/24/2009 / 5:25 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL		Result	Units	Analyst: SA Date / Time
Hydrogen Sulfide	0.25		< 0.25	mg/kg	2/19/2009 / 2:00 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: JCA Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	2/10/2009 / 11:00 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: JCA Date / Time
Arsenic	0.014	5	< 0.014	mg/L	2/11/2009 / 10:29 AM
Barium	0.0005	100	**0.563**	mg/L	2/11/2009 / 10:29 AM
Cadmium	0.002	1	< 0.002	mg/L	2/11/2009 / 10:29 AM
Chromium	0.002	5	< 0.002	mg/L	2/11/2009 / 10:29 AM
Lead	0.005	5	< 0.005	mg/L	2/11/2009 / 10:29 AM
Selenium	0.024	1	< 0.024	mg/L	2/11/2009 / 10:29 AM
Silver	0.002	5	**0.005**	mg/L	2/11/2009 / 10:29 AM

TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: HDG Date / Time
Pyridine	0.10	5	< 0.10	mg/L	2/11/2009 / 5:21 AM
1,4-Dichlorobenzene	0.10	7.5	< 0.10	mg/L	2/11/2009 / 5:21 AM
o-Cresol	0.10	200	< 0.10	mg/L	2/11/2009 / 5:21 AM

- CERTIFICATE OF RESULTS -

MES Lab#: 9020110

Client Sample ID: Outfall 001
Extended ID: Stormwater Discharge

Sample Collect Date: 2/6/2009 @ 1:30:00 PM **Sample Type:** Grab
Sample Receipt Date: 2/6/2009 @ 2:30:00 PM

m+p-Cresol	0.10	200	< 0.10	mg/L	2/11/2009 /	5:21 AM
Hexachloroethane	0.10	3	< 0.10	mg/L	2/11/2009 /	5:21 AM
Nitrobenzene	0.10	2	< 0.10	mg/L	2/11/2009 /	5:21 AM
Hexachlorobutadiene	0.10	0.5	< 0.10	mg/L	2/11/2009 /	5:21 AM
2,4,6-Trichlorophenol	0.10	2	< 0.10	mg/L	2/11/2009 /	5:21 AM
2,4,5-Trichlorophenol	0.10	400	< 0.10	mg/L	2/11/2009 /	5:21 AM
2,4-Dinitrotoluene	0.10	0.13	< 0.10	mg/L	2/11/2009 /	5:21 AM
Hexachlorobenzene	0.10	0.13	< 0.10	mg/L	2/11/2009 /	5:21 AM
Pentachlorophenol	1.00	100	< 1.00	mg/L	2/11/2009 /	5:21 AM

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time	
Vinyl chloride	0.10	0.2	< 0.10	mg/L	2/25/2009 /	4:51 PM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	2/25/2009 /	4:51 PM
2-Butanone	0.50	200	< 0.50	mg/L	2/25/2009 /	4:51 PM
Chloroform	0.05	6	< 0.05	mg/L	2/25/2009 /	4:51 PM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
Benzene	0.05	0.6	< 0.05	mg/L	2/25/2009 /	4:51 PM
Trichloroethene	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	2/25/2009 /	4:51 PM
Chlorobenzene	0.05	100	< 0.05	mg/L	2/25/2009 /	4:51 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DCB Date / Time	
Flashpoint		>150	deg F	2/19/2009 /	12:15 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

John Keller, Ph.D., Lab Director

Thursday, February 26, 2009
Date

Report Date: *26-Feb-09* *Page 2 of 2*

Mercury Environmental Services, Inc.

EPAHO102000330

CHAIN OF CUSTODY & ANALYSIS REQUEST

Page ____ of ____

MERCURY ENVIRON LABORATORIES, LLC.
6913 Hwy. 225, Deer Park, TX 77536
(281) 476-4534 ; (800) 771-4637
Fax: (281) 476-4406 / After Hours: (281) 844-2308
e-mail: mesenv@aol.com

Results To: SOUTH COAST TERMINALS	Invoice To: SAME
Company:	Company:
Address: 7401 WALLISVILLE RD.	Address:
City: HOUSTON State: TX Zip: 77020	City: State: Zip
Phone: 713-671 5456	Phone:
Fax: 713 671 5487	Fax:
e-Mail: FRANKL@SCTERM.COM	e-Mail:

TAT - WORKING DAYS: 7 | 3 | 2 | 1 ASAP

[1] Matrix Key: W:Water WW:Waste Water S:Solid SO:Soil O:Oil SL:Sludge SE:Sediment WI:Wipe O:Oil OR:Organic OT:Other

[2] Container Type Key: P:Plastic G:Glass V:VOA O:Other

[3] Preservation Key: 1:Ice(<6oC) 2:HCl 3:H2SO4 4:HNO3 5:NaOH 6:NaOH+Zn Acetate 7:Na2S2O3 8:NONE

Project Name: STORM WATER TANK SLUDGE

Project Location:

Project No:

PO#: Quote#:

	A	B	C	D	E	F	G	H	I	J	K	L	M
[2] Container Type:													
Container ID:													
[3] Preservation:													
Volume:													

NOTES:

IF SPECIAL DETECTION LIMITS REQUIRED DETAIL BELOW:

MEL USE ONLY (LAB NO.)	YOUR SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	GRAB/COMP	PARAMETERS FOR ANALYSIS: 8 TCLP Metals	TCLP Volatiles	TCLP Semi-Vol	RCI
9020110	1) STORM WATER SLUDGE	2-6-09 1:30	SL	G	X	X	X	X
	2)							
	3)							
	4)							
	5)							
	6)							
	7)							
	8)							
	9)							
	10)							

	Print Name:	Company:	Date:	Time:	Received By: (Sign):	Print Name:	Company:	Date:	Time:
Relinquished By (Sign): (Sampler)	FRANK LAYNE		2-6-09	2:30	Ronda Dargavel		MEL	2-6-09	2:30
Relinquished By (Sign):					Received By (Sign):				
Relinquished By (Sign):					Received By (Sign):				

Note: Delivery of samples constitutes acceptance of terms and conditions in the Price Schedule.

FROM SOUTHCOAST 7316715497 02/26/2009 12:02 2814764406 (THU) FEB 26 2009 15:52/ST. 15:50/No. 7536648033 P 5 PAGE 03/03 MES

EPAHO10200331

P. 1

(THU) FEB 26 2009 15:08
SOUTHCOAST 7316715487

DOCUMENT# : 7538648-031
TIME STORED : FEB 26 15:08
TX START : FEB 26 15:08
DURATION : 2sec
COM. MODE : PC-M

TRANSMISSION REPORT

User/Account : BELINDA
DESTINATION : Belinda@scterm.com
ADDRESS :

PAGES : 3page
RESULT : OK

Mercury Environmental Servi

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

South Coast Terminals
7401 Wallisville Rd
Houston, TX 77020

Attn: **Belinda Adame**

• CERTIFICATE O

MES Lab#: 9020110
Client Sample ID: Outfall 001
Extended ID: Stormwater Discharge

Sample Collect Date: 2/6/2009 @ 1:30:00 PM
Sample Receipt Date: 2/6/2009 @ 2:30:00 PM

Test Group / Method

Corrosivity: pH Method: SW-846 9045	MDL
pH	

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL
Hydrogen Cyanide	0.25

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL
Hydrogen Sulfide	0.25

TCLP Mercury Method: SW-846 7470A	MDL	RL
Mercury	0.0002	0.2

TCLP Metals (8) Method: SW-846 6010B	MDL	RL
Arsenic	0.014	5
Barium	0.0005	100
Cadmium	0.002	1
Chromium	0.002	5
Lead	0.005	5
Selenium	0.024	1
Silver	0.002	5

TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL
Pyridine	0.10	5
1,4-Dichlorobenzene	0.10	7.5
o-Cresol	0.10	200

Report Date: *26-Feb-09*

Mercury Environment

EPAHO102000332

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

South Coast Terminals
7401 Wallisville Rd
Houston, TX 77020

Phone: (713) 672-2401
Fax. (713) 671-5487

Attn: **Belinda Adame**

- CERTIFICATE OF RESULTS -

MES Lab#: 9020110
Client Sample ID: Outfall 001
Extended ID: Stormwater Discharge

Sample Collect Date: 2/6/2009 @ 1:30:00 PM **Sample Type:** Grab
Sample Receipt Date: 2/6/2009 @ 2:30:00 PM

Test Group / Method

Corrosivity: pH Method: SW-846 9045	MDL		Result	Units	Analyst: DB Date / Time
pH			**8.74**		2/19/2009 / 12:00 PM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL		Result	Units	Analyst: SA Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	2/24/2009 / 5:25 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL		Result	Units	Analyst: SA Date / Time
Hydrogen Sulfide	0.25		< 0.25	mg/kg	2/19/2009 / 2:00 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: JCA Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	2/10/2009 / 11:00 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: JCA Date / Time
Arsenic	0.014	5	< 0.014	mg/L	2/11/2009 / 10:29 AM
Barium	0.0005	100	**0.563**	mg/L	2/11/2009 / 10:29 AM
Cadmium	0.002	1	< 0.002	mg/L	2/11/2009 / 10:29 AM
Chromium	0.002	5	< 0.002	mg/L	2/11/2009 / 10:29 AM
Lead	0.005	5	< 0.005	mg/L	2/11/2009 / 10:29 AM
Selenium	0.024	1	< 0.024	mg/L	2/11/2009 / 10:29 AM
Silver	0.002	5	**0.005**	mg/L	2/11/2009 / 10:29 AM

TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: HDG Date / Time
Pyridine	0.10	5	< 0.10	mg/L	2/11/2009 / 5:21 AM
1,4-Dichlorobenzene	0.10	7.5	< 0.10	mg/L	2/11/2009 / 5:21 AM
o-Cresol	0.10	200	< 0.10	mg/L	2/11/2009 / 5:21 AM

Report Date: *26-Feb-09*

EPAHO102000333

- CERTIFICATE OF RESULTS -

MES Lab#: 9020110

Client Sample ID: Outfall 001
Extended ID: Stormwater Discharge

Sample Collect Date: 2/6/2009 @ 1:30:00 PM **Sample Type:** Grab
Sample Receipt Date: 2/6/2009 @ 2:30:00 PM

m+p-Cresol	0.10	200	< 0.10	mg/L	2/11/2009 /	5:21 AM
Hexachloroethane	0.10	3	< 0.10	mg/L	2/11/2009 /	5:21 AM
Nitrobenzene	0.10	2	< 0.10	mg/L	2/11/2009 /	5:21 AM
Hexachlorobutadiene	0.10	0.5	< 0.10	mg/L	2/11/2009 /	5:21 AM
2,4,6-Trichlorophenol	0.10	2	< 0.10	mg/L	2/11/2009 /	5:21 AM
2,4,5-Trichlorophenol	0.10	400	< 0.10	mg/L	2/11/2009 /	5:21 AM
2,4-Dinitrotoluene	0.10	0.13	< 0.10	mg/L	2/11/2009 /	5:21 AM
Hexachlorobenzene	0.10	0.13	< 0.10	mg/L	2/11/2009 /	5:21 AM
Pentachlorophenol	1.00	100	< 1.00	mg/L	2/11/2009 /	5:21 AM

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time	
Vinyl chloride	0.10	0.2	< 0.10	mg/L	2/25/2009 /	4:51 PM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	2/25/2009 /	4:51 PM
2-Butanone	0.50	200	< 0.50	mg/L	2/25/2009 /	4:51 PM
Chloroform	0.05	6	< 0.05	mg/L	2/25/2009 /	4:51 PM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
Benzene	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
Trichloroethene	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	2/25/2009 /	4:51 PM
Chlorobenzene	0.05	100	< 0.05	mg/L	2/25/2009 /	4:51 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	2/25/2009 /	4:51 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	2/25/2009 /	4:51 PM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DEB Date / Time	
Flashpoint		>150	deg F	2/19/2009 /	12:15 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

John Keller

John Keller, Ph.D., Lab Director

Thursday, February 26, 2009
Date

EPAHO102000334

CHAIN OF CUSTODY & ANALYSIS REQUEST

Page ____ of ____

MERCURY ENVIRON LABORATORIES, LLC.
6913 Hwy. 225, Deer Park, TX 77536
(281) 476-4534 / (800) 771-4637
Fax: (281) 476-4406 / After Hours: (281) 844-2308
e-mail: mesenv@aol.com

Results To: SOUTH COAST TERMINALS	Invoice To: SAME
Company:	Company:
Address: 7401 WALLISVILLE RD.	Address:
City: HOUSTON State: TX Zip: 77020	City: State: Zip:
Phone: 713-671 5456	Phone:
Fax: 713 671 5487	Fax:
e-Mail: FRANKL@SCTERM.COM	e-Mail:

TAT - WORKING DAYS: 7 | 3 | 2 | 1 | ASAP

[1] Matrix Key
W:Water WW:Waste Water
S:Solid SO:Soil O:Oil SL:Sludge
SE:Sediment WI:Wipe
O:Oil OR:Organic OT:Other

[2] Container Type Key
P:Plastic G:Glass V:VOA O:Other

[3] Preservation Key
1:Ice(<6oC) 2:HCl 3:H2SO4
4:HNO3 5:NaOH
6:NaOH+Zn Acetate 7:Na2S2O3
8:NONE

NOTES:

Project Name: STORM WATER TANK SLUDGE

Project Location:

Project No:

FO#: Quote#:

[2] Container Type:
Container ID: A B C D E F G H I J K L M
[3] Preservation:
Volume:

PARAMETERS FOR ANALYSIS

MEL USE ONLY (LAB NO.)	YOUR SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	GRAB/COMP.	[8] TCLP Metals	TCLP Vols	TCLP S.Vol	RCI										IF SPECIAL DETECTION LIMITS REQUIRED DETAIL BELOW:
9020110	1) STORM WATER SLUDGE	2-6-09 1:30	SL	G	X	X	X	X										
	2)																	
	3)																	
	4)																	
	5)																	
	6)																	
	7)																	
	8)																	
	9)																	
	10)																	

Relinquished By (Sign): (Sampler)	Print Name:	Company:	Date:	Time:	Received By (Sign):	Print Name:	Company:	Date:	Time:
	FRANK LAYNE	[signature]	2-6-09	2:30	Ronda Hargrave		MEL	2-6-09	2:30
Relinquished By (Sign):	Print Name:	Company:	Date:	Time:	Received By (Sign):	Print Name:	Company:	Date:	Time:
Relinquished By (Sign):	Print Name:	Company:	Date:	Time:	Received By (Sign):	Print Name:	Company:	Date:	Time:

Note: Delivery of samples constitutes acceptance of terms and conditions in the Price Schedule.

Belinda Adame

From: Morgan McCarley [mmccarley@cesenvironmental.com]
Sent: Thursday, February 26, 2009 3:22 PM
To: Belinda Adame
Subject: FW: [Image File] BELINDA,KMBT350, #031

KMBT350200
6150841.tif (2

Please fax this document over to my attention if you can't save it in a PDF form. I can't open TIF's.

Thanks-

Morgan McCarley
CSR/Inside sales
CES Environmental, Inc.
office: 713-800-7912
cell: 281-691-3296
fax: 713-748-8664
mmccarley@cesenvironmental.com

-----Original Message-----
From: Belinda Adame <belinda@scterm.com>
Sent: Thursday, February 26, 2009 3:12 PM
To: Dana Carter <dcarter@cesenvironmental.com>
Subject: FW: [Image File] BELINDA,KMBT350, #031

Dana

Here are the Lab results from our tank that needs to be cleaned. I need the tank cleaning ASAP this should have been done a long time ago but MES took their time getting our results to us.

Thanks

Belinda Adame'
HSE Manager
Office: 713-671-5422
Cell: 281-705-3512
Fax: 713-676-0323

We need you and so does your Family, So lets all work safely.

-----Original Message-----
From: copier2@scterm.com [mailto:copier2@scterm.com]
Sent: Thursday, February 26, 2009 3:09 PM
To: Belinda@scterm.com
Subject: [Image File] BELINDA,KMBT350, #031

FROM:SOUTHCOAST 7316715487
Image data has been attached to
the E-Mail.

This email and any files transmitted with it are confidential, may be legally privileged,

and intended solely for the use of the individual or entity to whom they are addressed.

If you have received this email in error, you are on notice of its status. Please notify us immediately by reply e-mail and then delete this message from your system.

Please do not copy it or use it for any purposes, or disclose its contents to any other person: to do so could be a breach of confidence.

EPAHO102000337

Vetco Gray 1302
Profile# 1302

EPAHO10200338

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 #: **1302**

Customer: **Vetco Gray**

Waste Generator: **Vetco Gray**

Waste Stream Name: **Oily Rags, Absorbents, and other Petroleum Contaminated Solids**

Expiration Date: **1/12/2008**

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.

IF LOADING, NEED NEW ANALYSIS

Vetco Gray, Inc.
Customer Name

Justin L. Campbell - Justin L. Campbell
Signature

Environmental Specialist
Company / Title

12/4/07
Date

PRT

No changes to processes that generate this waste. Coolants, hydraulic oils, greases essentially the same. TC

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/12/2006**

Dear **Whitt Whittredge**

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 # 1302

Generator: Vetco Gray
Address: 12221 N. Houston Rosslyn
Houston, TX 77086

Waste Information

Name of Waste: Oily Rags, Absorbents, and other Petroleum Contaminated Soli
TCEQ Waste Code #: 12063101
Container Type: Drum
Detailed Description of Process Generating Waste:
Oily rags, oily absorbents and other hydrocarbon contaminated solids. Oily rags are generated from cleaning and wiping down parts and equipment. Oily absorbents are generated from cleaning spills and leaks from equipment. Other hydrocarbon contaminat
Color: Varies **Odor:** Mild Oily **pH:** na
Physical State: Solid
Incompatibilities: None
Safety Related Data/Special Handling:
May require dust mask if granular absorbent material (kitty litter) is disturbed

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:	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: Oily Rags, Absorbents, and other Petroleum Contaminated Solids

Detailed Description of Process Generating Waste: Oily rags, oily absorbents and other hydrocarbon contaminated solids. Oily rags are generated from cleaning and wiping down parts and equipment. Oily absorbents are generated from cleaning spills and leaks from equipment. Other hydrocarbon contaminated solids are generated from maintenance cleanouts or other solid materials that are contaminated with oils, hydraulic fluids, etc.

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

Color: Varies **Odor:** mild - oily

Specific Gravity (water=1): ____ **Density:** 10 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): 40 **Other:** ____

Texas State Waste Code No: 12063101

Proper U.S. DOT Shipping Name: Not at Hazardous Material (Non-DOT)

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	N/A	35 mg/l	<0.40 mg/l	%
Oil&Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
____mg/l	____mg/l	____mg/l	____mg/l	____mg/l

Deleted: r
Deleted: and absorbants
Formatted: Font: 4 pt
Deleted: 5
Deleted:
Formatted: Font: 4 pt
Deleted: 0mg
Deleted: 0<0.40mg
Deleted: 90

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE *The waste consists of the following materials*	Concentration Ranges are acceptable	Units or %
Absorbent materials, dirt, grit	0-50	%
Rags & Cloths, paper and other trash contaminated with oils/grease	0-50	%
Oils, grease, hydraulic fluid, other hydrocarbons	0-50	%

Deleted: 4
Deleted: 45
Deleted: 1

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
May require dust mask if granular absorbent material (kitty litter) is disturbed

Deleted: 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.
1. Analytical results for oily rags and absorbents

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: Dustin L. Campbell **Date:** 12-19-05

Printed Name/Title: Dustin L. Campbell (HSE Coordinator)

Formatted: Font: 10 pt
Deleted: ____
Deleted: ____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thangavelu Additional Information: ____

Date: 1-12-06 Approved Rejected ____

Approval Number: 1302 ____

Deleted: ¶
¶
¶
¶
¶

(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.

EPAHO102000343

Active: ☒ Inactive: ☐

GENERAL INFORMATION	
Waste Description: Oily Rags, Absorbents, and other Petroleum Contaminated Solids	**Waste ID No:** 12063101
	Facility ID No: 30299
Form Code Description: Spent solid filters or absorbents	**Facility:** NHR Facility
	Date: 12/19/05

PROCESS KNOWLEDGE	
Full Description of Waste Stream Generation Activities:	Oily rags, oily absorbents and other hydrocarbon contaminated solids. Oily rags are generated from cleaning and wiping down parts and equipment. Oily absorbents are generated from cleaning spills and leaks from equipment. Other hydrocarbon contaminated solids are generated from maintenance cleanouts or other solid materials that are contaminated with oils, hydraulic fluids, etc.
Chemicals/Materials involved in the waste generation process:	Soild absorbent materials, filters,
Potential Contaminants:	Oils, hydraulic fluids, machine coolants, glycol-based control fluids, grit, dirt, rocks, etc.
MSDS Information (flash point, etc.) :	Not applicable

ANALYTICAL DATA – SAMPLING PROCEDURES			
Sample Date(s):	Various	**Site/Unit Description(s):**	Drums stored in WMU 002
Sampling Methods and Equipment:	Material was collected from drums of material stored in WMU 002 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 :	*Selection of drums for sampling is based on drums generated and stored on-site at* time of sampling. Several processes generate same waste stream and samples were combined to obtain a composite.		

DOCUMENTATION ATTACHED							
Analytical Results:	☒	**C-O-C:**	☒	**Operating Procedure**	☐	**Classification Checklist:**	☒
QC Data:	☒	**MSDS:**	☐	**Material Specification**	☐		

WASTE DESCRIPTION: Oily Rags, Absorbents, and other Petroleum Contaminated Solids	TWC: 12063101

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 NA
2. Has the container been rendered unusable? ☐ Yes ☐ No NA

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

(For a copy of Table 1, Appendix 1, CLICK HERE) →

Microsoft Word Document

(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.
PROCEED to Chapter 4.

IF the answers are "No" to all the preceding **un-numbered** questions in Part II,
THEN the industrial waste is a Class 2 waste.
PROCEED to Chapter 4.

Gulf Coast
ACCUTEST.
Laboratories

02/18/05

Technical Report for

ABB Vetco Gray, Inc.

South Ditch, 12253891, 12063101

Accutest Job Number: T9428

Sampling Date: 02/11/05

Report to:

ABB Vetco Gray, Inc.

dustin.l.campbell@us.abb.com

ATTN: Dustin Campbell

Total number of pages in report: 14

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Ron Martino
Laboratory Manager

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Sections: 1 2 3

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Sample Results 4
2.1: T9428-1: SOUTH DITCH SEDIMENT 4
2.2: T9428-2: SPENT BLAST MEDIA (12253891) 6
2.3: T9428-3: CONTAMINATED SOLIDS (12063101) 8
Section 3: Misc. Forms 12
3.1: Chain of Custody 13

EPAHO102000350

Accutest Laboratories

Sample Summary

ABB Vetco Gray, Inc.

Job No: T9428

South Ditch, 12253891, 12063101

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T9428-1	02/11/05	13:30	DC	02/11/05	SO	Sludge	SOUTH DITCH SEDIMENT
T9428-2	02/11/05	13:35	DC	02/11/05	SO	Solid	SPENT BLAST MEDIA (12253891)
T9428-3	02/11/05	13:35	DC	02/11/05	SO	Solid	CONTAMINATED SOLIDS (12063101)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

EPAHO102000351

Accutest Laboratories

Report of Analysis

Client Sample ID:	SOUTH DITCH SEDIMENT		
Lab Sample ID:	T9428-1	Date Sampled:	02/11/05
Matrix:	SO - Sludge	Date Received:	02/11/05
Method:	SW846 8260B	Percent Solids:	48.6
Project:	South Ditch, 12253891, 12063101		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y005684.D	1	02/16/05	RR	n/a	n/a	VY305
Run #2							

	Initial Weight	Final Volume
Run #1	5.20 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	9.9	2.0	ug/kg	
108-88-3	Toluene	ND	9.9	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	9.9	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	30	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-139%
2037-26-5	Toluene-D8	118%		87-149%
460-00-4	4-Bromofluorobenzene	124%		81-156%
17060-07-0	1,2-Dichloroethane-D4	90%		68-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

EPAHO102000352

Accutest Laboratories

Report of Analysis

Client Sample ID:	SOUTH DITCH SEDIMENT		
Lab Sample ID:	T9428-1	Date Sampled:	02/11/05
Matrix:	SO - Sludge	Date Received:	02/11/05
		Percent Solids:	48.6
Project:	South Ditch, 12253891, 12063101		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.8	1.8	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Arsenic	22.2	1.8	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	386	35	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.89	0.89	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.89	0.89	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	187	1.8	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	62.6	1.8	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.045	0.045	mg/kg	1	02/17/05	02/17/05	JM	SW846 7471A [1]	SW846 7471A [4]
Nickel	132	7.1	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Selenium	2.1	1.8	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.8	1.8	mg/kg	1	02/15/05	02/17/05	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA1863
(2) Instrument QC Batch: MA1865
(3) Prep QC Batch: MP3491
(4) Prep QC Batch: MP3499

RL = Reporting Limit

EPAHO102000353

Accutest Laboratories

Report of Analysis

Client Sample ID:	SPENT BLAST MEDIA (12253891)		
Lab Sample ID:	T9428-2	Date Sampled:	02/11/05
Matrix:	SO - Solid	Date Received:	02/11/05
		Percent Solids:	99.7
Project:	South Ditch, 12253891, 12063101		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 0.20			0.20	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Barium	< 1.0	D005	100	1.0	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Beryllium	< 0.0050			0.0050	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Cadmium	0.014	D006	1.0	0.0050	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Chromium	0.15	D007	5.0	0.010	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Lead	< 0.50	D008	5.0	0.50	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Mercury	0.011	D009	0.20	0.0013	mg/l	1	02/17/05	02/18/05	JM	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.26			0.040	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA1865
(2) Instrument QC Batch: MA1866
(3) Prep QC Batch: MP3495
(4) Prep QC Batch: MP3496

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

EPAHO102000354

Accutest Laboratories

Report of Analysis

Client Sample ID:	SPENT BLAST MEDIA (12253891)		
Lab Sample ID:	T9428-2	Date Sampled:	02/11/05
Matrix:	SO - Solid	Date Received:	02/11/05
		Percent Solids:	99.7
Project:	South Ditch, 12253891, 12063101		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	11.0			1	02/17/05 13:20	LC	SW846 CHAP7
Cyanide Reactivity	< 0.40	0.40	mg/kg	40	02/17/05 09:56	LN	SW846 CHAP7
Ignitability (Flashpoint)	> 210		Deg. F	1	02/17/05 09:30	LC	SW846 1010
Solids, Percent	99.7		%	1	02/15/05	LC	EPA 160.3 M
Sulfide Reactivity	35.0	8.0	mg/kg	40	02/17/05 13:50	LN	SW846 CHAP7

RL = Reporting Limit

EPAHO102000355

Accutest Laboratories

Report of Analysis

Client Sample ID:	CONTAMINATED SOLIDS (12063101)		
Lab Sample ID:	T9428-3	Date Sampled:	02/11/05
Matrix:	SO - Solid	Date Received:	02/11/05
Method:	SW846 8260B SW846 1311	Percent Solids:	84.7
Project:	South Ditch, 12253891, 12063101		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064799.D	10	02/18/05	RR	02/18/05	OP4178	VF1469
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.050	0.010	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.050	0.010	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.050	0.010	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.050	0.010	mg/l	
75-35-4	1,1-Dichloroethylene	ND	D029	0.70	0.050	0.010	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.050	0.010	mg/l	
78-93-3	Methyl ethyl ketone	ND	D035	200	0.10	0.060	mg/l	
127-18-4	Tetrachloroethylene	ND	D039	0.70	0.050	0.010	mg/l	
79-01-6	Trichloroethylene	ND	D040	0.50	0.050	0.010	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.050	0.015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-124%
2037-26-5	Toluene-D8	99%		70-134%
460-00-4	4-Bromofluorobenzene	106%		86-139%
17060-07-0	1,2-Dichloroethane-D4	92%		78-129%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CONTAMINATED SOLIDS (12063101)		
Lab Sample ID:	T9428-3	Date Sampled:	02/11/05
Matrix:	SO - Solid	Date Received:	02/11/05
Method:	SW846 8270C SW846 3510C	Percent Solids:	84.7
Project:	South Ditch, 12253891, 12063101		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H10888.D	1	02/17/05	SC	02/17/05	OP4170	EH694
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.050	0.010	mg/l	
	3&4-Methylphenol	ND	D024	200	0.050	0.020	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.25	0.040	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.020	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.020	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.050	0.030	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.050	0.020	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.050	0.040	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.050	0.040	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.040	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.050	0.010	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		12-69%
4165-62-2	Phenol-d5	19%		11-51%
118-79-6	2,4,6-Tribromophenol	67%		33-131%
4165-60-0	Nitrobenzene-d5	74%		40-117%
321-60-8	2-Fluorobiphenyl	64%		33-121%
1718-51-0	Terphenyl-d14	95%		35-142%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

EPAHO102000357

Accutest Laboratories

Report of Analysis

Client Sample ID:	CONTAMINATED SOLIDS (12063101)		
Lab Sample ID:	T9428-3	Date Sampled:	02/11/05
Matrix:	SO - Solid	Date Received:	02/11/05
		Percent Solids:	84.7
Project:	South Ditch, 12253891, 12063101		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 0.20			0.20	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Barium	< 1.0	D005	100	1.0	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Beryllium	< 0.0050			0.0050	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Cadmium	0.025	D006	1.0	0.0050	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Chromium	0.021	D007	5.0	0.010	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Lead	< 0.50	D008	5.0	0.50	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Mercury	0.0042	D009	0.20	0.0013	mg/l	1	02/17/05	02/18/05	JM	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.047			0.040	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/16/05	02/17/05	JM	SW846 6010B [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA1865
(2) Instrument QC Batch: MA1866
(3) Prep QC Batch: MP3495
(4) Prep QC Batch: MP3496

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

EPAHO102000358

Accutest Laboratories

Report of Analysis

Client Sample ID:	CONTAMINATED SOLIDS (12063101)		
Lab Sample ID:	T9428-3	Date Sampled:	02/11/05
Matrix:	SO - Solid	Date Received:	02/11/05
		Percent Solids:	84.7
Project:	South Ditch, 12253891, 12063101		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.0			1	02/17/05 13:20	LC	SW846 CHAP7
Cyanide Reactivity	< 0.50	0.50	mg/kg	40	02/17/05 09:56	LN	SW846 CHAP7
Ignitability (Flashpoint)	> 210		Deg. F	1	02/17/05 09:30	LC	SW846 1010
Solids, Percent	84.7		%	1	02/15/05	LC	EPA 160.3 M
Sulfide Reactivity	< 9.0	9.0	mg/kg	40	02/17/05 13:50	LN	SW846 CHAP7

RL = Reporting Limit

EPAHO102000359

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

EPAHO102000360

CHAIN OF CUSTODY

ACCUTEST Laboratories

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking #: | Bottle Order Control #:

Accutest Quote #: JE01_2003_1023 | Accutest Job #: T9428

Client / Reporting Information

Company Name: Vetco Gray, Inc.

Project Contact: Dustin L. Campbell | E-Mail: dustin.l.campbell@vetco.com

Address: 12221 North Houston Rosslyn

City: Houston | State: TX | Zip: 77086

Phone No.: 281-847-4644

Samplers's Name: Dustin L. Campbell

Project Information

Project Name: South Ditch, 12253891, 12063101

Project Number:

Street: Same

City: Same | State: Same | Zip: Same

Fax No.: 281-405-5644

Client Purchase Order #:

Requested Analyses

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Wastewater; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; SOL - Other Solid

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH	HNO3	H2SO4	EnCore	NaHSO4	MeOH	NONE	Total Metals (RCRA + Sb, Ni, Be)	BTEX	TCLP Metals (RCRA+3)	RCI	TCLP Volatiles	TCLP Semi-Volatiles	LAB USE ONLY
1	South Ditch Sediment	2/11/2005	13:30	SL	1								1	X	X					
2	Spent Blast Media (12253891)	2/11/2005	13:35	SOL	2								2			X	X			
3	Contaminated Solids (12063101)	2/11/2005	13:45	SOL	2								2			X	X	X	X	

Turnaround Time (Business days)

- [ ] 10 Day STANDARD
- [X] 5 Day RUSH — Approved By/ Date: SC / 2-11-05
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] Other

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only

Commercial "B" = Results & Standard QC

Comments / Remarks

REFERENCE PO Number A69437

NOTE CHANGE OF E-MAIL ADDRESS FOR LABLINK

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Dustin L. Campbell	2/11/05 14:20		2		2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice: X Cooler Temp: 3.0

T9428: Chain of Custody
Page 1 of 2

EPAHO102000361

ACCUTEST.

SAMPLE RECEIPT LOG

JOB #: 9428 DATE/TIME RECEIVED: 2/11

CLIENT: VOLCO GRAY INITIALS:

Condition/Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation):

1. (Y) N Sample received in undamaged condition.
2. (Y) N Samples received within temp. range.
3. (Y) N Sample received with proper pH.
4. (Y) N Sample received in proper containers.
5. (Y) N Sample volume sufficient for analysis.
6. (Y) N Sample received with chain of custody.
7. (Y) N Chain of Custody matches **sample IDs and analysis** on containers.
8. Y N (NA) Custody seal received intact and tamper not evident on cooler.
9. Y N (NA) Custody seal received intact and tamper not evident on bottles.

SAMPLE or FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	PH
1	1	2/11	SL	1L	VR	(1),2,3,4,5,6	U, <2, >12, (NA)
2	1	"	SOL	1L	IN	(1),2,3,4,5,6	U, <2, >12, (NA)
"	2	"	"	80Z	"	(1),2,3,4,5,6	U, <2, >12, (NA)
3	1	"	SOL	1L	"	(1),2,3,4,5,6	U, <2, >12, (NA)
"	2	"	"	80Z	"	(1),2,3,4,5,6	U, <2, >12, (NA)
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA

LOCATION: WI: Walk-In VR: Volatile Refrig. SUB: Subcontract EF: Encore Freezer

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: Other

Comments:

pH of waters checked excluding volatiles

pH of soils N/A

Delivery method: Courier: CLIA

Tracking#:

COOLER TEMP: 3.0 COOLER TEMP:

COOLER TEMP: COOLER TEMP:

Method of sample disposal: (circle one) Accutest disposal Hold Return to Client Form: SM012, Rev.12/14/04, QAO

T9428: Chain of Custody

Page 2 of 2

ACCUTEST. Laboratories T9428

EPAHO10200362

Goodman Manufacturing 1298
Profile # 1298

EPAHO102000363

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/6/2006**

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 # 1298

Generator: Goodman Manufacturing
Address: 1501 Seamist Drive
Houston, TX

Waste Information

Name of Waste: Unused Paint Powder
TCEQ Waste Code #: 69144032
Container Type: Drum
Detailed Description of Process Generating Waste:
Unused paint powder (Bahama Beige Polyester-MSDS attached) contaminated with moisture.
Color: Beige **Odor:** None **pH:** N/A
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Goodman Manufacturing		
Address:	1501 Seamist Drive		
City, State, Zip:	Houston, TX 77008		
Contact:	Chris Neil	**Title:**	EHS Manager
Phone No:	(713) 861-2500	**Fax No:**	
24/hr Phone:	(713) 861-2500		
U.S. EPA I.D. No:	N/A		
State I.D.	38432	**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: Unused Paint Powder
Detailed Description of Process Generating Waste: Unused paint powder (Bahama Beige Polyester-msds attached) contaminated with moisture.

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

Color: Beige **Odor:** None

Specific Gravity (water=1): _____ **Density:** _____ 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: ~~69064021~~ 6914-4032
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated waste solids
Class: _____ **UN/NA:** _____ **PG:** _____ **RQ:** _____

Flash Point >200	**pH** N/A	**Reactive Sulfides** BRLmg/l	**Reactive Cyanides** BRLmg/l	**Solids** 100%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** BRLmg/l	**Copper** BRLmg/l	**Nickel** BRLmg/l

EPAHO102000365

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Bahama Beige Polyester	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 for Bahama Beige Polyester; Analytical #38330

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 Analytical #38330
TCLP Volatiles:	See Analytical #38330
TCLP Semi-Volatiles:	TCLP Semi-Volatiles are below regulatory limits
Reactivity:	No reactive materials are present
Corrosivity:	Material is 100% solid
Ignitability:	No ignitable materials are present

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.

X **Authorized Signature:** [signature] **Date:** August 11, 2005

Printed Name/Title: Mark Denebe / EH&S Mgr

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 1/6/05 Approved Rejected

Approval Number: 1298

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

EPAHO102000367

(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.

EPAHO102000368

Certificate of Analysis

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741305, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	Goodman Manufacturing Co. L.P.	**REQUESTED BY:**	Mr. Mark K. DeWeese
SAMPLE:	Cooling – Paint Waste Sample	**REPORT DATE:**	August 10, 2005
LABORATORY NO:	38330 Page 1 of 3	**PURCHASE ORDER NO:**	32882

TEST **RESULT**

TCLP Metals by Inductively Coupled Plasma (ICP), E.P.A 6010A

Contaminant	*Result, ppm*	*Reporting Limit, ppm*	*Regulatory Limit, ppm*
Arsenic	<1.0	1.0	5.0
Antimony	<1.0	1.0	1.0
Barium	4.76	1.0	100.0
Beryllium	<1.0	1.0	1.0
Cadmium	<1.0	1.0	1.0
Chromium	<1.0	1.0	5.0
Lead	<1.0	1.0	5.0
Nickel	<1.0	1.0	1.0
Selenium	<1.0	1.0	1.0
Silver	<1.0	1.0	5.0

Mercury Content, ASTM E 885

Contaminant	*Result, ppm*	*Reporting Limit, ppm*	*Regulatory Level, ppm*
Mercury	<0.1	0.10	0.10

Volatile Organic Compounds by GC/MS, E.P.A. Method 8260 (Purge & Trap):

Compounds	*Result, ppm*	*Reporting Limit, ppm*
Dichlorodifluoromethane	Not Detected	0.02
Chloromethane	Not Detected	0.02
Vinyl chloride	Not Detected	0.02
Bromomethane	Not Detected	0.02
Chloroethane	Not Detected	0.02
Trichlorofluoromethane	Not Detected	0.02
1,1-Dichloroethene	Not Detected	0.02
Methylenechloride	Not Detected	0.02
trans-1,2-Dichloroethene	Not Detected	0.02
1,1-Dichloroethane	Not Detected	0.02
cis-1,2-Dichloroethene	Not Detected	0.02
2,2-Dichloropropane	Not Detected	0.02
Bromochloromethane	Not Detected	0.02
Chloroform	Not Detected	0.02
1,1,1-Trichloroethane	Not Detected	0.02
1,2-Dichloroethane	Not Detected	0.02
1,1-Dichloropropene	Not Detected	0.02

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

ASTM INTERNATIONAL

ANSI-RAB ORS

Cert. No. 5085

Certificate of Analysis

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	Goodman Manufacturing Co. L.P.	**REQUESTED BY:**	Mr. Mark K. DeWeese
SAMPLE:	Cooling – Paint Waste Sample	**REPORT DATE:**	August 10, 2005
LABORATORY NO:	38330 Page 2 of 3	**PURCHASE ORDER NO:**	32882

TEST **RESULT**

Volatile Organic Compounds by GC/MS, E.P.A. Method 8260: (Cont.)

Compounds	*Result, ppm*	*Reporting Limit, ppm*
Benzene	Not Detected	0.02
Carbontetrachloride	Not Detected	0.02
1,2-Dichloropropane	Not Detected	0.02
Trichloroethene	Not Detected	0.02
Dibromomethane	Not Detected	0.02
Bromodichloromethane	Not Detected	0.02
cis-1,3-Dichloropropene	Not Detected	0.02
trans-1,3-Dichloropropene	Not Detected	0.02
Toluene	Not Detected	0.02
1,1,2-Trichloroethane	Not Detected	0.02
1,3-Dichloropropane	Not Detected	0.02
Dibromochloromethane	Not Detected	0.02
1,2-Dibromoethane	Not Detected	0.02
Tetrachloroethene	Not Detected	0.02
Chlorobenzene	Not Detected	0.02
1,1,1,2-Tetrachloroethane	Not Detected	0.02
Ethylbenzene	Not Detected	0.02
m&p-Xylene	Not Detected	0.02
Bromoform	Not Detected	0.02
Styrene	Not Detected	0.02
o-Xylene	Not Detected	0.02
1,1,2,2-Tetrachloroethane	Not Detected	0.02
1,2,3-Trichloropropane	Not Detected	0.02
Isopropylbenzene	Not Detected	0.02
Bromobenzene	Not Detected	0.02
2-Chlorotoluene	Not Detected	0.02
n-Propylbenzene	Not Detected	0.02
4-Chlorotoluene	Not Detected	0.02
1,3,5-Trimethylbenzene	Not Detected	0.02
tert-Butylbenzene	Not Detected	0.02
1,2,4-Trimethylbenzene	Not Detected	0.02
1,3-Dichlorobenzene	Not Detected	0.02
sec-Butylbenzene	Not Detected	0.02
1,4-Dichlorobenzene	Not Detected	0.02
p-Isopropyltoluene	Not Detected	0.02
1,2-Dichlorobenzene	Not Detected	0.02
n-Butylbenzene	Not Detected	0.02
1,2-Dibromo-3-chloropropan	Not Detected	0.02
1,2,4-Trichlorobenzene	Not Detected	0.02
Naphthalene	Not Detected	0.02
1,2,3-Trichlorobenzene	Not Detected	0.02
Hexachlorobutadiene	Not Detected	0.02

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

Cert. No. 5085

CES Environmental Services, Inc.

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

Fax

To:	Chris Neil	**From:**	Sean Easton
Fax:	713-861-0349	**Pages:**	4
Phone:		**Date:**	August 11, 2005
Re:	Cooling Plant-Paint Waste Profile	**cc:**	

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

• **Comments:**

Chris,

Please sign the 2nd page of the attached profile for the Paint Powder drums at the Cooling Plant. If you have any questions please call.

Thanks You,

Sean Easton

CES Environmental Services, Inc.

4804 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1298**

Customer: **Goodman Manufacturing**

Waste Generator: **Goodman Manufacturing**

Waste Stream Name: **Unused Paint Powder**

Expiration Date: **1/6/2007**

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.

Jim McG
Customer Name

Signature

MGR Envir Affairs
Title

Goodman MFG
Company

please sign & return asap.
Thanks, Heather

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1298

Generator: GOODMAN MANUFACTURING
Address: 1501 SEAMIST DRIVE
Name of Waste: PAINT POWDER
TCEQ Waste Code Number: 69144032

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BEIGE TO GRAY
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-2
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 17283
Waste Manifest Number: 3957073
Date of Shipment: 01/09/06
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 10

Analyst/Sampler: ____ Date: 01/09/06

EPAHO102000373

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-1298**

Customer: **Goodman Manufacturing (Cooling Plant)**

Waste Generator: **Goodman Manufacturing (Cooling Plant)**

Waste Stream Name: **Unused Paint Powder**

Expiration Date: **5/2/2009**

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

Rochelle Teague
Customer Name

Rochelle M Teague
Signature

EHS Analyst
Company / Title

7/21/09
Date

Allied Petrochemical LLC 1297
Profile # 1297

EPAHO102000375

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/6/2006**

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 # 1297

Generator: Allied Petrochemical LLC
Address: 2330 FM 2917
Alvin, TX 77511

Waste Information

Name of Waste: Process Water
TCEQ Waste Code #: 00011191
Container Type: Truck
Detailed Description of Process Generating Waste:
Distillation. Analytical attached.
Color: Clear **Odor:** None **pH:** Neutral
Physical State: Liquid
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: 39048
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 :**	
Phone No :	(281) 393-1233	**Fax :**	(281) 393-1242
24 / HR Phone :			
U.S EPA I.D No :	TXR000065300		
State I.D :	87747	**SIC Code**	

SECTION 2: Billing Information

Company :	Allied Petrochemical LLC		
Address :	2330 FM 2917		
City, State, Zip :	Alvin TX 77511		
Contact :	J.A. Kessel	**Title :**	
Phone No :	(281) 393-1233	**Fax :**	(281) 393-1242

SECTION 3: General Description of the Waste

Name of Waste : Process Water

Detailed Description of Process Generating Waste:

Distillation. Analytical attached.

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-Phas ☐ Multi-Phase

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

Container Size : 5000

Number Of Units : 1

Texas State Waste Code No : 00011191

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Process Water

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	Neutral	BRL mg/l	BRL mg/l	0-1 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
<1500 mg/l	NA mg/l	BRL mg/l	BRL mg/l	BRL mg/l

EPAHO102000377

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Process Water	99-100	%
Debris	0-1	%

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.
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 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 : _____ **Date :** 1/4/2006

Printed Name / Title : J.A. Kessel / J.A. Kessel, President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Robert R Thompson

Date : 1/6/2006 **Status :** (Approved) Rejected

Approval Number : 1297

Additional Information

EPAHO102000378

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

EPAHO102000379

(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.

EPAHO102000380

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1297

Generator: ALLIED PETROCHEMICAL
Address: 2330 FM 2917
Name of Waste: DISTILLATION WATER
TCEQ Waste Code Number: 00061191

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5.2
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-5

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 3557402
Date of Shipment: 01/10/06
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 6000 GAL

Analyst/Sampler: [signature] Date: 01/10/06

CES Environmental Services, Inc.

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

January 9, 2006

Mr. J.A. Kessel
Allied Petrochemical
2330 FM 2917
Alvin, TX 77511

RE: Allied Petrochemical
Process Water (Distillation)
CES PROFILE # 1297

Dear Mr. Kessel

Thank you for your interest in CES Environmental Services, Inc. The above mentioned waste stream has been approved at our disposal facility in Houston, TX. We also assist with the following (if needed):

Disposal and/or Recycling	Profiling Assistance
Manifesting	Labeling

The following conditions apply prior to receiving waste at our facility:

- Signed profile sheets must be on file.
- Waste received which does not conform to the profile may result in additional charges or rejection. Materials packaged in containers other than as indicated on the profile may be subject to surcharges as well.

Please review this quote and sign in the proper space to accept the terms and conditions prior to your load arriving to our facility to avoid any issues.

Type of Waste	Unit	Unit Price
Process water (Distillation)	Per Gallon	$ 0.07

Comments

N / A

Page 2 of 2

Allied Petrochemical
CES # 1297

Thank you for this opportunity. Please call if you have any qu[illegible]or concerns about this approval.

Sincerely,

ANTHONY CUTAIA,
CES ENVIRONMENTAL SERVICES, INC.

Accepted By _____ _____ _____
Signature Title Date

EPAHO102000383

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **6/12/2008**

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 # 1297

Expiration Date 1/6/2008

Generator: Allied Petrochemical LLC
Address: 2330 FM 2917
Alvin, TX 77511

Waste Information

Name of Waste: Process Water
TCEQ Waste Code #: 00011191
Container Type: Truck
Detailed Description of Process Generating Waste:
Distillation. Analytical attached.
Color: Clear **Odor:** None **pH:** Neutral
Physical State: Liquid
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.

1297

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 2330 FM 2917		
City, State, Zip :	Alvin TX 77511		
Contact :	J.A. Kessel	**Title :**	
Phone No :	(281) 393-1233	**Fax :**	(281) 393-1242
24 / HR Phone :			
U.S EPA I.D No :	TXR000065300		
State I.D :	87747	**SIC Code**	

SECTION 2: Billing Information

Company :	Allied Petrochemical LLC		
Address :	2330 FM 2917 2330 FM 2917		
City, State, Zip :	Alvin TX 77511		
Contact :	J.A. Kessel	**Title :**	
Phone No :	(281) 393-1233	**Fax :**	(281) 393-1242

SECTION 3: General Description of the Waste

Name of Waste : Process Water

Detailed Description of the Process Generating Waste:

Distillation. Analytical attached.

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

Color : Clear **Odor :** None

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 : 5000

Number Of Units : 1

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

EPAHO102000385

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 : 00011191

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Process Water

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	Neutral	BRL mg/l	BRL mg/l	0-1 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
<1500 mg/l	NA 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 %
Process Water	99-100	%
Debris	0-1	%

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.
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 generators knowledge

TCLP Metals : x
TCLP Volatilies : x
TCLP Semi-Volatiles : x
Reactivity : x

EPAHO102000386

Corrosivity : x

Ignitability : x

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

EPAHO102000387

☐ 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 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 :** 1/4/2006

Printed Name / Title : J.A. Kessel / J.A. Kessel, President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : [signature]

Date : 1/6/2006 **Status :** Approved Rejected

Approval Number : 1297

Process Facility Information :

CHECK PHENOL!!!$.09/gallon (TOC should be less than 6,000 ppm, solids less than .05%) -- Otherwise, surcharges must apply

Post-it® Fax Note 7671	Date 6-6-08 # of pages ▶ 1
To Noelia Barajas	From
Co./Dept. CES	Co. Allied
Phone #	Phone #
Fax #	Fax # 281 393-1242

Houston Plating - Navigation 1293
Profile # 1293

EPAHO102000389

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 #: **1293**

Customer: **Houston Plating & Coatings LLC (Navigation)**

Waste Generator: **Houston Plating & Coatings LLC (Navigation)**

Waste Stream Name: **Non-Hazardous Spent DN 30 Parts Washer**

Expiration Date: **1/15/2008**

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.

NEED ANALYSIS IF RECERTIFIED

☐ Please send new profile as waste stream has changed.

Houston Plating + Coatings, LLC - North Greenwood 6023 NAVIGATION
Customer Name

Joseph Stankovich
Signature

Vice President - ENVIRONMENTAL
Company / Title

12/6/07
Date

NEW ANALYTICAL Performed on Composite sample See Following

PRT

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 00102051 USED DN30 METAL PARTS WASH CLEANER USED DN30 CLEANER NORTH GREENWOOD
GENERATOR KNOWLEDGE
Revised September 13, 2005
Revised July 9, 2007

The oil skimmer on the DN30 tank at this location was broken for several months. Before HP&C's maintenance could repair the skimmer, the analytical on the DN30 cleaner needed to be renewed. A new composite sample of the DN30 was taken and analytical was performed. The new analytical showed the TPH to be quite high, 1154.7 mg / liter, we did not know that maintenance would be repairing the skimmer within two weeks of taking the composite sample, so we assumed that the TPH would be much higher once the cleaner was ready to be disposed later this year.

So this waste stream was reclassified as a Class 1 waste to be safe.

At this location, Baker Oil Tools, does not allow Houston Plating & Coatings, LLC to have any pesticides or herbicides on Baker Oil Tool property. Therefore none of these chemicals would be expected to be in the waste stream.

At this location, Baker Oil Tools, does not allow Houston Plating & Coatings,LLC to have any Organic Chemicals on Baker Oil Tool property. Therefore no Organic Chemicals will be in this waste stream. New analytical was performed on a composite sample taken 6/19/2007 and this analytical showed that this could be a Class 2 waste, but the company wants to be on the safe side and keep things simple and classifies it as a Class 1 waste.

Joseph Stankovich
September 13, 2005
July 9, 2007

Laboratory Analysis Report

Total Number of Pages: 13

Job ID : 90857

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project ID :
Used DN30 / North Greenwood 6023 Navigation

Report To :	Client Name:	Houston Plating Company, LLC	P.O.#.:	9753
	Attn:	Joseph Stankovich	Sample Collected By:	Joseph Stankovich
	Client Address:	P.O. Box 418	Date Collected:	06/19/07
	City, State, Zip:	Houston, Texas, 77587		

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Used DN 30 North Greenwood 6023 Navigation Container #4	Liquid	90857.01
Used DN 30 North Greenwood 6023 Navigation Containers #1,2 & 3	Liquid	90857.02

Released By: Sonia West
Title: Senior Project Manager
Date: 6/29/2007

This Laboratory is NELAP (T104704213-06-TX) 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.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 06/20/2007 09:16

EPAHO102000392

LABORATORY TEST RESULTS

Job ID.: 90857

Date 6/29/2007

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Used DN30 / North Greenwood 6023 Navigation

Client Sample ID: Used DN 30 North Greenwood 6023 Navigation

Job Sample ID: 90857.01

Date Collected: Container #4
06/19/07

Sample Matrix Liquid

Time Collected: 08:30

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				06/26/07 10:20	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.1	5.0		06/25/07 12:36	SC
	Barium	0.301	mg/L	1	0.1	100.0		06/25/07 12:36	SC
	Cadmium	BRL	mg/L	1	0.1	1.0		06/25/07 12:36	SC
	Chromium	BRL	mg/L	1	0.1	5.0		06/25/07 12:36	SC
	Lead	BRL	mg/L	1	0.1	5.0		06/25/07 12:36	SC
	Selenium	BRL	mg/L	1	0.500	1.0		06/25/07 12:36	SC
	Silver	BRL	mg/L	1	0.1	5.0		06/25/07 12:36	SC
SW-846 7.3									
	Reactive Cyanide	BRL	mg/L	1	25			06/27/07 13:05	KS
SW-846 7.3									
	Reactive Sulfide	BRL	mg/L	1	25			06/27/07 14:50	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		06/25/07 12:33	RB
SW-846 9040C	Corrosivity, pH								
	pH	10.09	s.u.	1				06/21/07 09:05	KS

EPAHO102000393

LABORATORY TEST RESULTS

Job ID : 90857

Date 6/29/2007

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Used DN30 / North Greenwood 6023 Navigation

Client Sample ID: Used DN 30 North Greenwood 6023 Navigation
Containers #1,2 & 3

Job Sample ID: 90857.02

Date Collected: 06/19/07

Sample Matrix Liquid

Time Collected: 08:30

Other Information:

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	25	0.05		D1	06/20/07 17:23	SS
	Toluene	BRL	mg/L	25	0.05			06/20/07 17:23	SS
	Ethylbenzene	BRL	mg/L	25	0.05			06/20/07 17:23	SS
	Xylenes	BRL	mg/L	25	0.150			06/20/07 17:23	SS
	Trifluorotoluene(surr)	109	%	25	75-125			06/20/07 17:23	SS

EPAHO102000394

QUALITY CONTROL CERTIFICATE

Job ID : 90857 **Date :** 6/29/2007

Analysis : Purgeable Aromatics **Method :** SW-846 8021B **Reporting Units :** mg/L

QC Batch ID : Qb07062304 **Created Date :** 06/20/07 **Created By :** Ssrinivasan

Samples in This QC Batch : 90857.02

Sample Preparation : PB07062304 **Prep Method :** SW-846 5030C **Prep Date :** 06/20/07 12:00 **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	0.020	100	0.02	0.021	105	4.88	20	80-120	
Toluene	0.02	0.018	90	0.02	0.019	95	5.41	20	80-120	
Ethylbenzene	0.02	0.019	95	0.02	0.019	95	0	20	80-120	
Xylenes	0.06	0.052	86.7	0.06	0.053	88.3	1.90	20	80-120	

QC Type: MS and MSD
QC Sample ID: 90854.02

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	0.020	100	0.02	0.020	100	0	20	75-125	
Toluene	BRL	0.02	0.019	95	0.02	0.019	95	0	20	75-125	
Ethylbenzene	BRL	0.02	0.019	95	0.02	0.019	95	0	20	75-125	
Xylenes	BRL	0.06	0.053	88.3	0.06	0.053	88.3	0	20	75-125	

Refer to the Definition page for terms.

EPAHO102000395

QUALITY CONTROL CERTIFICATE

Job ID : 90857 **Date :** 6/29/2007

Analysis : TCLP Metals **Method :** SW-846 6010C **Reporting Units :** mg/L

QC Batch ID : Qb07062517 **Created Date :** 06/25/07 **Created By :** Scuello

Samples in This QC Batch : 90857.01

Digestion :	PB07062203	**Prep Method :** SW-846 3010A		**Prep Date :**	06/22/07 09:00	**Prep By :**	Rbairamadgi
TCLP Prep :	PB07062201	**Prep Method :** SW-846 1311		**Prep Date :**	06/21/07 17:00	**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	0.974	97.4	1	0.990	99	1.63	20	80-120	
Barium	1	0.899	89.9	1	0.912	91.2	1.44	20	80-120	
Cadmium	1	0.969	96.9	1	0.982	98.2	1.33	20	80-120	
Chromium	1	0.894	89.4	1	0.907	90.7	1.44	20	80-120	
Lead	1	0.885	88.5	1	0.896	89.6	1.24	20	80-120	
Selenium	1	0.975	97.5	1	0.988	98.8	1.32	20	80-120	
Silver	1	0.927	92.7	1	0.937	93.7	1.07	20	80-120	

QC Type: MS and MSD
QC Sample ID: 90920.01

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	1.97	98.5	2	1.98	99	0.50	25	45-138	
Barium	0.380	2	2.10	86	2	2.11	86.5	0.47	25	39-135	
Cadmium	BRL	2	1.88	94	2	1.90	95	1.06	25	56-125	
Chromium	BRL	2	1.86	93	2	1.87	93.5	0.53	25	52-125	
Lead	BRL	2	1.70	85	2	1.71	85.5	0.58	25	55-125	
Selenium	BRL	2	1.94	97	2	1.96	98	1.03	25	70-130	
Silver	BRL	2	1.81	90.5	2	1.82	91	0.55	25	26-148	

Refer to the Definition page for terms.

EPAHO102000396

QUALITY CONTROL CERTIFICATE

Job ID : 90857 **Date :** 6/29/2007

Analysis : TCLP Metals, Mercury **Method :** SW-846 7470A **Reporting Units :** mg/L

QC Batch ID : Qb07062518 **Created Date :** 06/25/07 **Created By :** Rbairamadgi

Samples in This QC Batch : 90857.01

Digestion :	PB07062512	**Prep Method :** SW-846 7470A		**Prep Date :**	06/25/07 09:00	**Prep By :**	Rbairamadgi
TCLP Prep :	PB07062201	**Prep Method :** SW-846 1311		**Prep Date :**	06/21/07 17:00	**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: 90849.01

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	0.0019	38	0.005	0.0020	40	5.13	35	61-175	M2

Refer to the Definition page for terms.

EPAHO102000397

QUALITY CONTROL CERTIFICATE

Job ID : 90857 **Date :** 6/29/2007

Analysis : Corrosivity, pH **Method :** SW-846 9040C **Reporting Units :** s.u.

QC Batch ID : Qb07062603 **Created Date :** 06/21/07 **Created By :** Ksudha

Samples in This QC Batch : 90857.01

Sample Preparation : PB07062603 **Prep Method :** SW-846 9040C **Prep Date :** 06/21/07 09:00 **Prep By :** Ksudha

QC Type: Duplicate

QC Sample ID: 90856.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
pH	10.08	10.08	s.u.	0	5	

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	3.96	99						80-120	

Refer to the Definition page for terms.

EPAHO102000398

QUALITY CONTROL CERTIFICATE

Job ID : 90857 **Date :** 6/29/2007

Analysis : Ignitability (Flash Point) **Method :** SW-846 1010 **Reporting Units :** °F

QC Batch ID : Qb07062630 **Created Date :** 06/26/07 **Created By :** Ksudha

Samples in This QC Batch : 90857.01

Sample Preparation : PB07062719 **Prep Method :** SW-846 1010 **Prep Date :** 06/26/07 10:15 **Prep By :** Ksudha

QC Type: Duplicate

QC Sample ID: 90950.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		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
Ignitability	83	85	102	83	83	100	2.38	20	75-125	

Refer to the Definition page for terms.

EPAHO102000399

QUALITY CONTROL CERTIFICATE

Job ID : 90857 **Date :** 6/29/2007

Analysis : **Method :** SW-846 7.3 **Reporting Units :** mg/L

QC Batch ID : Qb07062749 **Created Date :** 06/27/07 **Created By :** Ksudha

Samples in This QC Batch : 90857.01

Sample Preparation : PB07062723 **Prep Method :** SW-846 7.3 **Prep Date :** 06/27/07 13:00 **Prep By :** Ksudha

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: 90856.01

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	0.31	62	0.5	0.29	58	6.67	20	40-110	

Refer to the Definition page for terms.

EPAHO102000400

QUALITY CONTROL CERTIFICATE

Job ID : 90857 **Date :** 6/29/2007

Analysis : **Method :** SW-846 7.3 **Reporting Units :** mg/L

QC Batch ID : Qb07062751 **Created Date :** 06/27/07 **Created By :** Ksudha

Samples in This QC Batch : 90857.01

Sample Preparation : PB07062725 **Prep Method :** SW-846 7.3 **Prep Date :** 06/27/07 14:45 **Prep By :** Ksudha

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: 90856.01

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	770	714	92.7	770	674	87.5	5.76	20	40-110	

Refer to the Definition page for terms.

EPAHO102000401

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 90857

Date: 6/29/2007

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

D1	Sample required dilution due to matrix effects.
M2	MS/MSD recovery is low, LCS/LCSD recovery is acceptable.

EPAHO102000402

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 JOB ID 9C851

5. Project #

1. **REPORT TO:**
Company: Houston Plating & Coatings, LLC
Address: P.O. Box 418
South Houston, TX 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: P.O. Box 418
South Houston, TX 77587
Contact: Accounts Payable
Phone: 713 946 8920
Fax: 713 946 7326
E-mail:

3. PO# 9753

4. Turnaround Time (Business Days)
❑ Same Day* ❑ Need by
❑ 1 Day*
❑ 2 Days*
❑ 3 Days*
☑ 7 Days * Surcharge applies

6. Project Name / Location: Used DN30 / North Greenwood 6023 Navigation

7. Special Instructions (PLEASE PRINT) Please use EPA TCLP 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 6/19/07

LAB USE ONLY	Item	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix Water	Soil	Sludge	Oil	Air	Other	13. No. of Containers	TCLP-8 RCRA Metals	As, Ba, Cd, Cr, Pb, Hg, Se, Ag	RCI	BTEX				17. REMARKS
		14. Containers*												G	G	G	VOA	–	–	–	
		15. Preservatives**												C	C	C	H-C	–	–	–	
01	1	Used DN 30	6/19/07	8:30 AM	✓	–	–	–	–	–	–	✓	1	✓	✓	✓	–	–	–	–	Liquid Sample/on ice
	2	North Greenwood	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3	6023 Navigation	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4	Container #4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	5																				
02	6	Used DN 30	6-19-07	8:30 AM	✓	–	–	–	–	–	–	✓	3	–	–	–	✓	–	–	–	Liquid Sample/on ice
	7	North Greenwood	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	8	6023 Navigation	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9	Containers 1, 2, +3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	10																				

	18. RELINQUISHED BY	DATE	TIME	19. RECEIVED BY	DATE	TIME
1	Joseph Stankovich	6-20-07		Rocio Damy	6/20/07	9:16
2						
3						

20. KNOWN HAZARDS / COMMENTS: None Known

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; 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 # 9753

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

EPAHO102000403

Sample Condition Checklist

Date : **06/20/07**

A&B JobID : **90857**	Date Received : **06/20/2007**	Time Received : **09:16 AM**
Client Name : **Houston Plating Company, LLC**		
Temperature : **4°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.	X	
16.	Sample accepted.	X	

Comments : Include actions taken to resolve discrepancies/problem:

Received by : Rgamez

Check in by/date : Rgamez / 6/20/2007

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

...r 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) 946-6920	001400673 JJK

GENERATOR

5. Generator's Name and Mailing Address
Houston Plating + Coatings LLC
[redacted] Box 418
South Houston, TX 77587
Generator's Phone: (713) 946-6920

Generator's Site Address (if different than mailing address)
Houston Plating + Coatings LLC
1315 Georgia, PO Box 418
South Houston, TX 77587
(713) 946-6920

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.
4904 Griggs Rd.
Houston TX. 77021
Facility's Phone: (713) 676-1460
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 80 Parts Washer)	1	TT	1,300	G	18 11/27/06 ~~[illegible]~~ ~~[illegible]~~ 2051
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
CES Profile # CES Job # - 20959 P.O. 6415
11a) 1293 11b) 11c) 11d)
Emergency Contact: Dan Bowman at (713) 854-8150

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: [signature] — 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: [illegible] — Signature: [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. H141 2. 3. 4.

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 Cota A — Signature: [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)

EPAHO102000406

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): 3

Date: 4/24/07

To: Joe Stankovich

713-946-8487

From: **Dan Bowman**
CES Environmental Services, Inc.
Mobile Phone: (713) 854-6150

Notes: For your records.

Dan

June 08, 2006

Houston Plating and Coatings
6023 Navigation
Houston, TX 77011
Phone: (713) 946-8920

Re: Profile #: 1293

To Whom It May Concern:

This letter shall serve as notice that the proper waste code # for the above referenced profile is 00102051.

If you have any questions, please do not hesitate to call me at the above listed number.

Thank you,

Joseph J Stankovich

Joe Stankovich

40
2005

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/5/2006**

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 # 1293

Generator: Houston Plating-Navigation Facility
Address: 6023 Navigation
Houston, TX 77011

Waste Information

Name of Waste: Non-Hazardous Spent DN 30 Parts Washer
TCEQ Waste Code #: 00052052
Container Type: Truck
Detailed Description of Process Generating Waste:
Spent DN 30 parts washer used to clean parts prior to pressure washing.
Color: **Odor:** **pH:** 4-10
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Houston Plating Company-BOT-North Greenwood, Door 3		
Address:	6023 Navigation		
City, State, Zip:	Houston, TX 77011		
Contact:	Joe Stankovich	**Title:**	VP
Phone No:	713-946-8920	**Fax No:**	713-946-8487
24/hr Phone:	Same		
U.S. EPA I.D. No:	TXR000058198		
State I.D.	86370	**SIC Code:**	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Houston Plating		
Address:	PO Box 418		
City, State, Zip:	South Houston, TX 77587		
Contact:	Joe Stankovich	**Title:**	VP
Phone No:	713-946-8920	**Fax No:**	713-946-8487

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Spent DN 30 Parts Washer
Detailed Description of Process Generating Waste: Spent DN 30 Parts Washer used to clean parts prior to pressure washing.

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

Color: Varies **Odor:** Non

Specific Gravity (water=1): 1 **Density:** 8.3 lbs/gal

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

Container Type: ☐ **Drum** ☐ **Tote** ☒ **Truck** ☐ **Other (explain)**
Container Size: ____ ____ 11 ____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: 00052052
Proper U.S. DOT Shipping Name: Non-RCRA, Non-Hazardous Waste Spent DN 30 Parts Washer
Class: ____ **UN/NA:** ____ **PG:** ____ **RQ:** ____

Flash Point >200	**pH** 4-10	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0-1%
Oil&Grease ≥100mg/l	**TOC** NAmg/l	**Zinc** NA mg/l	**Copper** NAmg/l	**Nickel** NAmg/l

EPAHO102000410

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Spent DN 30 Parts Washer	5-10	%
Water	93-95	%
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.
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: ____
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: Joseph Stankovich **Date:** 1/4/2006

Printed Name/Title: Joseph STANKOVICH

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara R Vaught

Date: 1-5-06 (Approved) Rejected

Approval Number: 1293

Additional Information: ____

JAN-04-2006 13:59 CES Environmental Service 713 676 1676 P.03

EPAHO102000411

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

EPAHO102000412

LABORATORY TEST RESULTS

A&B Job ID: 68399 Date: 12/13/04

CLIENT: Houston Plating Company, LLC PROJECT: Sample #1 Composite Sample DN30 tank ATTN: Joseph Stankovich

Client Sample ID: Sample #1 Composite Sample DN30 tank
Date Collected: 12/7/2004
Time Collected: 10:45
Sample Loc./Other Info:

A&B Job Sample ID: 68399-01
Sample Matrix: Liquid

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 7 3									
	Reactive Cyanide	BRL	mg/L	1	25			12/10 16:25	DS
SW-846 7.3									
	Reactive Sulfide	BRL	mg/L	1	25			12/10 16:00	DS
SW-846 1010									
	Ignitability	>150	°F	1				12/09 10:20	DS
SW-846 9040C									
	pH	9.34	pH units	1				12/09 9:00	DS
SW-846 6010B	**TCLP Metals**								
	Antimony	BRL	mg/L	2	0 2	1		12/10 12:57	SEC
	Arsenic	BRL	mg/L	2	0.2	1.8		12/10 12:57	SEC
	Barium	1.14	mg/L	2	0.2	100		12/10 12:57	SEC
	Beryllium	BRL	mg/L	2	0.16	0.08		12/10 12.57	SEC
	Cadmium	BRL	mg/L	2	0.2	0 5		12/10 12:57	SEC
	Chromium	0.36	mg/L	2	0.2	5		12/10 12.57	SEC
	Copper	0.47	mg/L	2	0 2			12/10 12:57	SEC
	Lead	BRL	mg/L	2	0.2	1.5		12/10 12:57	SEC
	Nickel	4.42	mg/L	2	0.2	70		12/10 12:57	SEC
	Selenium	BRL	mg/L	2	1	1		12/10 12:57	SEC
	Silver	BRL	mg/L	2	0.2	5		12/10 12:57	SEC
	Vanadium	BRL	mg/L	2	0.2			12/10 12:57	SEC
SW-846 7470A	**TCLP Mercury**								
	Mercury	BRL	mg/L	1	0.002	0.2		12/10 13:15	SEC
TX 1005	**Total Petroleum Hydrocarbons**								
	C6-C12	143.5	mg/L	5	8.9			12/09 15.18	WH
	>C12-C28	201.7	mg/L	5	9.65			12/09 15:18	WH
	>C28-C35	258.6	mg/L	5	17 1			12/09 15:18	WH
	Total C6-C35	603.8	mg/L	5				12/09 15:18	WH

1
1500

** BRL - Below Reporting Limit

OCT-12-2005 13:09 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.3/18

EPAHO102000413

A & B Environmental Services, Inc.
10100 East Freeway, Suite 100
Houston, Texas 77029

SAMPLE SURROGATE RECOVERY REPORT

Report Date: 12/13/2004

A&B Job ID: 68399

Parameter	Method	CAS #	Spike Added	Spike Result	D.F.	%Rec	% Rec CLIMIT	Analysis DateTime	Analyst	A&B Job Sample ID	Q
Chlorooctadecane	TX 1005	3386-33-2	100	N/A	5		50-149	12/9/04 15:18	Whitmel	68399-01	JS

JS-Target Compounds caused elevation of baseline. Surrogate is not available

EPAHO10200414

OCT-12-2005 13:09 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.5/18

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 12/13/2004

A&B Job ID: 68399

QCType: Duplicate Parameter	Method	QCSspl Result	Dup Result	RPD	RPD CLimits		QCBatchID	QC SamplelD	Qual.
Reactive Cyanide	SW-846 7.3	BRL	BRL	0	<20		Q121004rcyn	68399-01	
Reactive Sulfide	SW-846 7.3	BRL	BRL	0	<20		Q121004rsul	68399-01	
Ignitability	SW-846 1010	>150	>150	0	<20		Q120904fpt	68399-01	
pH	EPA 150.1	9.34	9.34	0	<20		Q120904pH	68399-01	

QCType: LCS and LCSD Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID		Qual
Reactive Cyanide	SW-846 7.3		0.5	0.25	0.26	50	52	3.9	<20	40-110	Q121004rcyn		
Reactive Sulfide	SW-846 7.3		1000	940	980	94	98	4.2	<20	40-110	Q121004rsul		
Ignitability	SW-846 1010		83	84	83	101	100	1.2	<20	75-125	Q120904fpt		
pH	EPA 150.1		4	3.99		99.8			<20	80-120	Q120904pH		
Copper	SW-846 6010B		1	0.99	0.99	99	99	0.0	<25	80-120	Q121004mlcu		
Vanadium	SW-846 6010B		1	0.94	0.95	94	95	1.1	<25	80-120	Q121004mlv		
Antimony	SW-846 6010B		1	0.97	0.97	97	97	0.0	<25	80-120	Q121004mt		
Arsenic	SW-846 6010B		1	1.02	1.02	102	102	0.0	<25	80-120	Q121004mt		
Barium	SW-846 6010B		1	0.91	0.90	91	90	1.1	<25	80-120	Q121004mt		
Beryllium	SW-846 6010B		1	0.97	0.96	97	96	1.0	<25	80-120	Q121004mt		
Cadmium	SW-846 6010B		1	0.97	0.97	97	97	0.0	<25	80-120	Q121004mt		
Chromium	SW-846 6010B		1	0.92	0.92	92	92	0.0	<25	80-120	Q121004mt		
Lead	SW-846 6010B		1	0.91	0.91	91	91	0.0	<25	80-120	Q121004mt		
Nickel	SW-846 6010B		1	0.92	0.92	92	92	0.0	<25	80-120	Q121004mt		
Selenium	SW-846 6010B		1	1.05	1.06	105	106	0.9	<25	80-120	Q121004mt		

** BRL-Below Reporting Limit

EPAHO102000415

OCT-12-2005 13:10 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.7/18

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 12/13/2004

A&B Job ID: 68399

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Antimony	SW-846 6010B	7440-36-0	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Beryllium	SW-846 6010B	7440-41-7	BRL	mg/L	1	0.08	Q121004mt	TCLP Metals	
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Nickel	SW-846 6010B	7440-02-0	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q121004mt	TCLP Metals	
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q121004hgt	TCLP Mercury	
C6-C12	TX 1005		BRL	mg/L	1	1.78	q120904tph1005a	Total Petroleum Hydrocarbons	
>C12-C28	TX 1005		BRL	mg/L	1	1.93	q120904tph1005a	Total Petroleum Hydrocarbons	
>C28-C35	TX 1005		BRL	mg/L	1	3.42	q120904tph1005a	Total Petroleum Hydrocarbons	

** BRL-Below Reporting Limit

EPAHO10200416

Sample Condition Checklist

Lab ID#: **68399**	Date Received: **December 8, 2004**	Time Received: **10:50 AM**
Company Name: **Houston Plating & Coatings, LLC**		
Project: **Sample #1 Composite Sample DN30 from tank HP+C, LLHMSD**		
Temperature: **0°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	Samples were received in appropriate container(s)	X	
10.	All samples were tagged 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/problems

Check in by/date: **12/08/04 SB** SBeard

LIMS log in by/date: **12/08/04 MG** MGayle

OCT-12-2005 13:10 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.9/18

EPAHO102000417

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

EMERGENCY TELEPHONE NUMBER(S)

(800) 424-9300 (24 Hours) CHEMTREC

(b) (4)

[redacted]

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

EMERGENCY TELEPHONE NUMBER(S)

(b) (4)

[redacted]

OCT-12-2005 13:11 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.13/18

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

EMERGENCY TELEPHONE NUMBER(S)

(800) 424-9300 (24 Hours) CHEMTREC

(b) (4)

[redacted]

OCT-12-2005 13:11 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.15/18

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

EMERGENCY TELEPHONE NUMBER(S)

(b) (4)

[redacted]

EPAHO102000421

ENVIRON EXPRESS LABS
401 N. 11TH STREET
LA PORTE, TEXAS 77571
281-471-0951 (WORK)
281-471-5821 (FAX)

FACSIMILE COVER

COMPANY: CES ENVIRONMENTAL

PLEASE DIRECT FOLLOWING PAGE(S) TO: ~~Dan Bowman~~ Ryan

PAGES INCLUDING COVER LETTER: 2

FAX: 713-676-1676

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this message in error, please notify us immediately by telephone and return the original message to us at the above address via postal service, at our expense.

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1293

Generator: HOUSTON PLATING (NAVIGATION)
Address: 6023 NAVIGATION
Name of Waste: NON HAZ DN 30 PARTS WASHER
TCEQ Waste Code Number: 00102051

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7.6
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-11

Shipment Information

Job Confirmation Number: 17216
Waste Manifest Number: 3957054
Date of Shipment: 01/06/06
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 1300 GAL

Analyst/Sampler: ____ Date: 01/06/06

KMTEX 1204
Profile# 1204

EPAHO102000424

J.a.

MB

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date 11/15/2005

Dear **David**

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 # 1204

Generator: KMTEX
Address: 2450 South Gulfway Drive
Port Arthur, TX 77641

Waste Information

Name of Waste: Waste Flammable Liquids, n.o.s., (wastewater containing meth
TCEQ Waste Code #: 10011191
Container Type: Truck
Detailed Description of Process Generating Waste:
Wastewater and alcohol mixture from manufacturing process.
Color: Clear/tan **Odor:** Alcohol **pH:** 4-11
Physical State: Liquid
Incompatibilities: None known
Safety Related Data/Special Handling:
Standard PPE required

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 :	KMTEX		
Address :	2450 South Gulfway Drive		
City, State, Zip :	Port Arthur TX 77641		
Contact :	David	**Title :**	
Phone No :	(409) 985-4200	**Fax :**	
24 / HR Phone :			
U.S EPA I.D No :	TXD988076295		
State I.D :	23491	**SIC Code**	

SECTION 2: Billing Information

Company :	KMTEX		
Address :	2450 South Gulfway Drive		
City, State, Zip :	Port Arthur TX 77641		
Contact :	David	**Title :**	
Phone No :	(409) 985-4200	**Fax :**	

SECTION 3: General Description of the Waste

Name of Waste : Waste Flammable Liquids, n.o.s., (wastewater containing methanol), 3, UN1993, PGI

Detailed Description of Process Generating Waste:

Wastewater and alcohol mixture from manufacturing process.

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

Color : Clear/tan **Odor :** Alcohol

Specific Gravity (Water=1) : .9-1.0 **Density :** 8 lbs / gal

Layers : ☑ Single-Phas ☐ Multi-Phase

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

Container Size : 5000

Number Of Units : 5

Texas State Waste Code No : 10011191

Proper U.S. State Waste Code No : Waste flammable liquids, n.o.s., 3, UN1993, PG III

Class : 3 **UN/NA :** UN1993 **PG :** I **RQ :**

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>160	4-11	<20 mg/l	<20 mg/l	0-1 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>15000 mg/l	>15000 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO102000427

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	90-95	%
Methanol	5-10	%
Solids (dirt, sludge, etc.)	0-1	%

SECTION 5: Safety Related Data

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

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 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 : _____ **Date :** 11/15/2005

Printed Name / Title : David Spacek / David Spacek, Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 11/15/2005 **Status :** Approved Rejected

Approval Number : 1204

Additional Information
Currently being shipped to Newpark.

EPAHO102000428

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

EPAHO102000429

(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.

EPAHO102000430

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1204

Generator: KMTEX
Address: 2450 SOUTH GULFWAY
Name of Waste: W/W CONTAINING METHANOL
TCEQ Waste Code Number: 10011191

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 2.1
- Odor: ALCOHOL
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): N/A
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-8

Shipment Information

Job Confirmation Number: 2292
Waste Manifest Number: 3694199
Date of Shipment: 11/16/05
Container Type (i.e. drum, tote, etc.): TANK TRUCK
Quantity: 49460 POUNDS

Analyst/Sampler: [signature] Date: 11/16/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1204

Generator: KMTEX
Address: 2450 SOUTH GULFWAY
Name of Waste: W/W CONTAINING METHANOL
TCEQ Waste Code Number: 100111 91

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 2.2
- Odor: ALCOHOL
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): N/A
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-7

Shipment Information

Job Confirmation Number: 2292
Waste Manifest Number: 3947484
Date of Shipment: 11/16/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 49780 #

Analyst/Sampler: [signature] Date: 11/16/05

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **6/12/2008**

Dear **David**

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 # 1204

Expiration Date 11/15/2006

Generator: KMTEX
Address: 2450 South Gulfway Drive
Port Arthur, TX 77641

Waste Information

Name of Waste: Waste Flammable Liquids, n.o.s., (wastewater containing meth
TCEQ Waste Code #: 10011191
Container Type: Truck
Detailed Description of Process Generating Waste:
Wastewater and alcohol mixture from manufacturing process.
Color: Clear/tan **Odor:** Alcohol **pH:** 4-11
Physical State: Liquid
Incompatibilities: None known
Safety Related Data/Special Handling:
Standard PPE required

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.

1204

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 : KMTEX
Address : 2450 South Gulfway Drive PO Box 1421
City, State, Zip : Port Arthur TX 77641
Contact : David Title :
Phone No : (409) 985-4200 Fax :
24 / HR Phone :
U.S EPA I.D No : TXD988076295
State I.D : 23491 SIC Code

SECTION 2: Billing Information

Company : KMTEX
Address : 2450 South Gulfway Drive PO Box 1421
City, State, Zip : Port Arthur TX 77641
Contact : David Title :
Phone No : (409) 985-4200 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Waste Flammable Liquids, n.o.s., (wastewater containing methanol), 3, UN1993, PGI

Detailed Description of the Process Generating Waste:
Wastewater and alcohol mixture from manufacturing process.

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

Color : Clear/tan Odor : Alcohol

Specific Gravity (Water=1) : .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

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)

Container Size : 8000

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

EPAHO102000434

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 : 10011191

Proper U.S. State Waste Code No.: Waste flammable liquids, n.o.s., 3, UN1993, PG II

Class : 3 UN/NA : UN1993 PG : II RQ :

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>160	4-11	<20 mg/l	<20 mg/l	0-1 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>15000 mg/l	>15000 mg/l	0 mg/l	0 mg/l	0 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	90-95	%
Methanol	5-10	%
Solids (dirt, sludge, etc.)	0-1	%

SECTION 5: Safety Related Data

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

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 generators knowledge

TCLP Metals : x
TCLP Volatilies : x
TCLP Semi-Volatiles : x
Reactivity : x

Corrosivity : x

Ignitability : x

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

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

(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 : [signature] **Date :** 11/15/2005

Printed Name / Title : David Spacek / David Spacek, Plant Manager / B.N. Glashko, Dir Mgr

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information : $.076/gallon plus $200/load (plus f.s.c.)

Compliance Officer : Prabhakar Thangudu [signature]

Date : 11/15/2005 **Status :** Approved Rejected

Approval Number : 1204

1201 Enterprise Products Operating, L.P.
Profile # 1201

EPAHO10200438

81244

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-1200

Customer: South Coast Terminals (East Ave S)

Waste Generator: South Coast Terminals (East Ave S)

Waste Stream Name: Oily Water

Expiration Date: 11/11/2008

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 Term
Customer Name

Signature

Plant Manager
Company / Title

2/10/09
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

1200

81244

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-1200

Customer: South Coast Terminals (East Ave S)

Waste Generator: South Coast Terminals (East Ave S)

Waste Stream Name: Oily Water

Expiration Date: 11/11/2008

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 Term
Customer Name

Signature

Plant Manager
Company / Title

2/10/09
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

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/15/2005**

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 # 1201

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)
Address: P.O. Box 573 Attn: Lea Ann Pease
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Empty Drums/Buckets
TCEQ Waste Code #: Recycle
Container Type: Drum Buckets
Detailed Description of Process Generating Waste:
RCRA Empty drums and buckets
Color: Varies **Odor:** None **pH:** N/A
Physical State: Solid
Incompatibilities: None
Safety Related Data/Special Handling:
Standard PPE Required

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 :	Enterprise Products Operating, L.P. (Morgan Point Facility)		
Address :	P.O. Box 573 Attn: Lea Ann Pease		
City, State, Zip :	Mont Belvieu TX 77580		
Contact :	Mike Tomerlin	**Title :**	
Phone No :	(281) 385-4455	**Fax :**	
24 / HR Phone :	(281) 385-4455		
U.S EPA I.D No :	TXD008084238		
State I.D :	30282	**SIC Code**	

SECTION 2: Billing Information

Company :	Enterprise Products Operating, L.P. (Morgan Point		
Address :	P.O. Box 573 Attn: Lea Ann Pease		
City, State, Zip :	Mont Belvieu TX 77580		
Contact :	Mike Tomerlin	**Title :**	
Phone No :	(281) 385-4455	**Fax :**	

SECTION 3: General Description of the Waste

Name of Waste : Empty Drums/Buckets

Detailed Description of Process Generating Waste:

RCRA Empty drums and buckets

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-Phas ☐ Multi-Phase

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

Container Size : 5-55

Number Of Units : 10

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : RCRA Empty drums and buckets

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 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

EPAHO102000442

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Drums	0-100	%
Buckets	0-100	%

SECTION 5: Safety Related Data

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

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 : N/A
TCLP Volatilies : N/A
TCLP Semi-Volatiles : N/A
Reactivity : N/A
Corrosivity : N/A
Ignitability : N/A

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 : 11/11/2005

Printed Name / Title : Mike Tomerlin / SR Env. Scientist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : [signature]

Date : 11-14-05 Status : Approved Rejected

Approval Number : 1201

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

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

EPAHO102000444

(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.

EPAHO102000445

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1201

Generator: ENTERPRISE PRODUCTS
Address: PO BOX 573
Name of Waste: EMPTY DRUMS
TCEQ Waste Code Number: NONE

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid ____ Solid X
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 15858
Date of Shipment: 11/15/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 6

Analyst/Sampler: [signature] Date: 11/15/05

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/15/2005**

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 # 1201

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)
Address: P.O. Box 573 Attn: Lea Ann Pease
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Empty Drums/Buckets
TCEQ Waste Code #: Recycle
Container Type: Drum Buckets
Detailed Description of Process Generating Waste:
RCRA Empty drums and buckets
Color: Varies **Odor:** None **pH:** N/A
Physical State: Solid
Incompatibilities: None
Safety Related Data/Special Handling:
Standard PPE Required

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 :	Enterprise Products Operating, L.P. (Morgan Point Facility)		
Address :	P.O. Box 573 Attn: Lea Ann Pease		
City, State, Zip :	Mont Belvieu TX 77580		
Contact :	Mike Tomerlin	**Title :**	
Phone No :	(281) 385-4455	**Fax :**	
24 / HR Phone :	(281) 385-4455		
U.S EPA I.D No :	TXD008084238		
State I.D :	30282	**SIC Code**	

SECTION 2: Billing Information

Company :	Enterprise Products Operating, L.P. (Morgan Point		
Address :	P.O. Box 573 Attn: Lea Ann Pease		
City, State, Zip :	Mont Belvieu TX 77580		
Contact :	Mike Tomerlin	**Title :**	
Phone No :	(281) 385-4455	**Fax :**	

SECTION 3: General Description of the Waste

Name of Waste : Empty Drums/Buckets

Detailed Description of Process Generating Waste:

RCRA Empty drums and buckets

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-Phas ☐ Multi-Phase

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

Container Size : 5-55

Number Of Units : 10

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : RCRA Empty drums and buckets

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 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

EPAHO102000448

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Drums	0-100	%
Buckets	0-100	%

SECTION 5: Safety Related Data

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

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 : N/A
TCLP Volatilies : N/A
TCLP Semi-Volatiles : N/A
Reactivity : N/A
Corrosivity : N/A
Ignitability : N/A

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 : _____ **Date :** 11/11/2005

Printed Name / Title : /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 11/14/2005 **Status :** Approved Rejected

Approval Number : 1201 ---

Additional Information

EPAHO102000449

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

EPAHO102000450

(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.

EPAHO102000451

1598

Atlantic Ind. Services (Shreveport)

Profile # 1598

L. Ann

Profile #

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 #: **1598**

Customer: **Atlantic Industrial Services (Shreveport)**

Waste Generator: **Atlantic Industrial Services (Shreveport)**

Waste Stream Name: **Recyclable Oily Water**

Expiration Date: **5/30/2008**

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

Atlantic Industrial Services
Customer Name

Signature (Thornton)

Plant Supervisor.
Company / Title

5-27-08
Date

Total P.002

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **5/30/2006**

Dear **Mike Masura**

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 # 1598

Generator: Atlantic Industrial Services (Shreveport)
Address: 2760 Valleyview
Shreveport, LA 71108

Waste Information

Name of Waste: Recyclable Oily Water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Oily water from oil recycling activities. Only water is collected from various locations a collected in an oily water tank. The tank is heated, some of the oil is recovered by Atlant This profile is for the leftover emulsified water from the oil r

Color: Varies **Odor:** None **pH:** na
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.

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:	Atlantic Industrial		
Address:	2760 Valleyview		
City, State, Zip:	Shreveport, LA 71108		
Contact:	Mike Masura	Title:	GM
Phone No:	800-256-9900	Fax No:	318-688-9440
24/hr Phone:	800-256-9900		
U.S. EPA I.D. No:	Na		
State I.D.	Na	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: Recyclable Oily Water
Detailed Description of Process Generating Waste: Oily water from oil recycling activities. Oily water is collected from various locations and collected in an oily water tank. The tank is heated, some of the oil is recovered by Atlantic. This profile is for the left over emulsified water from the oil recovery process.

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

Color: Varies Odor: None

Specific Gravity (water=1): .9 Density: 8 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): 1 Other: ____
Texas State Waste Code No: Recyclable Oily Water
Proper U.S. DOT Shipping Name: Recyclable Oily Water
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	Na	0mg/l	0mg/l	0-2%

MAY-30-2006 11:13 CES Environmental Svcs. 7137488664 P.02

EPAHO102000456

Oil&Grease	TOC	Zinc	Copper	Nickel
>1000mg/l	Namg/l	0mg/l	0mg/l	0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	95-99	%
Used Oil	1-5	%

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.
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: M S Mosura **Date:** 5/30/06

Printed Name/Title: Mike Mosura/GM

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara P Morgan Additional Information:

Date: 5-30-06 (Approved) Rejected REC

Approval Number: 1598

EPAHO102000457

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

EPAHO102000458

(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.

EPAHO102000459

Sierra chemicals Inc 1595
Profile # 1595

EPAHO102000460

7 E
8-5-09
LAB
T - 36

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **5/27/2006**

Dear **Ray Cummings**

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 # 1595

Generator: Sierra Chemical, Inc.
Address: 4202 Bluebonnet Drive
Houston, TX 77053

Waste Information

Name of Waste: Non-Hazardous Wastewater
TCEQ Waste Code #: CESQ2071
Container Type:
Detailed Description of Process Generating Waste:
Non-hazardous out-of-date products and rinsewaters from blending operations for a soap manufacturing company.
Color: tan **Odor:** organic **pH:** 4-11
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 Informatinn

Company:	Sierra Chemical		
Address:	4202 Bluebonnet Drive		
City, State, Zip:	Houston, TX 77053		
Contact:	Ray Cummings	Title:	President
Phone No:	(281) 416-3007	Fax No:	(281) 416-3008
24/hr Phone:	(832) 250-1743		
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: Non-hazardous wastewater
Detailed Description of Process Generating Waste: Non-hazardous, out-of-date products and rinsewaters from blending operations for a soap manufacturing company.

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

Color: Tan Odor: Organic

Specific Gravity (water=1): 0.98 Density: 8.0 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: CESQ2071
Proper U.S. DOT Shipping Name: Non DOT Regulated
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140F	4-11	NDmg/l	NDmg/l	<3%

Oil&Grease	TOC	Zinc	Copper	Nickel
>100mg/l	200,000mg/l	NDmg/l	NDmg/l	NDmg/l

EPAHO102000463

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	70-85	%
Ethylene Glycol/Polyethylene Glycol	2-5	%
Non-Hazardous Surfactants, Essential Oils	2-5	%
Non-Chlorinated, High Flash Solvents (Aromatic 200, non F listed)	5-8	%
Precipitated Salts	1-3	%
Base Oils	2-5	%

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.
Generator Knowledge

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:	No ingredients/inventory used in any Sierra Chemical blends would render the waste hazardous
TCLP Volatiles:	No ingredients/inventory used in any Sierra Chemical blends would render the waste hazardous
TCLP Semi-Volatiles:	No ingredients/inventory used in any Sierra Chemical blends would render the waste hazardous
Reactivity:	No ingredients/inventory used in any Sierra Chemical blends would render the waste hazardous
Corrosivity:	Generator performs elementary neutralization to eliminate corrosivity
Ignitability:	No ingredients/inventory used in any Sierra Chemical blends would render the waste hazardous

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: Ray Cummings **Date:** 4/24/2006

Printed Name/Title: Ray Cummings/President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: OL

Date: _____ Approved Rejected

Approval Number: 1595

EPAHO102000464

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
- ☐ Caromate 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

EPAHO102000465

(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 acceprance. 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) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-1595**

Customer: **Sierra Chemical, Inc.**

Waste Generator: **Sierra Chemical, Inc.**

Waste Stream Name: **Non-Hazardous Wastewater**

Expiration Date: **5/27/2008**

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

Ray Cummings
Customer Name

Signature

Company / Title

10/30/08
Date

Harcros Chemicals, Inc 1141
Profile # 1141

EPAHO102000468

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/28/2005**

Dear **Michael Cox**

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 # 1141

Generator: Harcross Chemicals, Inc.
Address: 4606 New West Drive
Pasadena, TX 77507

Waste Information

Name of Waste: Non-Hazardous Sodium Silicate and Absorbent
TCEQ Waste Code #: CESQ3191
Container Type: Drum
Detailed Description of Process Generating Waste:
Absorbent used to clean and dry a spill of unused sodium silicate.
Color: Varies **Odor:** None **pH:** NA
Physical State: Solid
Incompatibilities: Strong acids.
Safety Related Data/Special Handling:
Corrosive when wet. Wear appropriate 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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Harcros Chemicals		
Address:	4606 New West Drive		
City, State, Zip:	Pasadena, TX 77507		
Contact:	George Guerra	**Title:**	Manager
Phone No:	281-474-3689	**Fax No:**	281-474-3698
24/hr Phone:	281-474-3689		
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: Non-Hazardous Sodium Silicate and Absorbent
Detailed Description of Process Generating Waste: Absorbent used to clean and dry a spill of unused sodium silicate.

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

Color: Varies **Odor:** None

Specific Gravity (water=1): 1-1.3 **Density:** 11 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): 1-2 **Other:** ____

Texas State Waste Code No: CESQ3191

Proper U.S. DOT Shipping Name: Non-RCRA, Non-Hazardous Waste Absorbent and Sodium ~~Hydroxide~~ Silicate PRI

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

Flash Point >200 F	**pH** NA	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 100%
Oil&Grease 0mg/l	**TOC** 0mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO102000470

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Absorbent	75-90	%
Unused Sodium Silicate	10-25	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Corrosive when wet-were protective 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 Sheets

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong Acids

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 Cox **Date:** 09/28/05

Printed Name/Title: George Guerra/ Management Mike Cox Regional Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Arangala

Date: 9-28-05 (Approved) Rejected

Approval Number: 1141

Additional Information: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

SEP-28-2005 13:00 CES Environmental Services (13 676 1676 P.05

EPAHO102000471

Harcros Chemicals Inc

Kansas City, Kansas

MATERIAL SAFETY DATA SHEET Page 1

PRODUCT NAME : SODIUM SILICATE N Date: 27-SEP-2005 11:51:14.24
PRODUCT CODE : 11049 635# POLY DR

CAS #: 001344098 MSDS No. 001340 Revision No./Date 03 050622
Detail Number 00737/01

FORMULA: Na2 O . XSiO 2
CHEM. FAMILY: inorganic mixtures
CHEMICAL NAME AND SYNONYMS:
Silicic Acid, Sodium Salt Solution;
Water Glass; Sodium Silicate-Liquid;
Sodium Silicate Solution;
Sodium Silicate Solutions, All Grades;
MSDS 001340 DETAIL 00737
SUPPLIERS NAME : Harcros Chemicals Inc.
5200 Speaker Road
Kansas City KS 66106-1095

SUPPLIERS PHONE NUMBER : 913-321-3131
TRANSPORTATION EMERGENCY PHONE NUMBER : 1-800-424-9300

S.A.R.A. INFORMATION

HAZARDS : Acute Chronic
PHYSICAL DATA : Mixture Liquid

SECTION I HAZARDOUS INGREDIENTS

Ingredient Cas Number	MAX % W/W	SARA APPLIES 312	313	372	AIR CONTAMINENT LEVELS TWA/TLV (ppm)	STEL (ppm)	CEIL (ppm)	SKIN	AGENT
Sodium Silicate Silicate of Soda (CAS # 1344-09-8)	65.0	Y	N	N	PARTICULATES NOT OTHERWISE REGULATED Total	TWA 15 mg/m3	OSHA		
					Total	TLV 10 mg/m3	ACGIH		
					Respirable	TWA 5 mg/m3	OSHA		
Water (CAS # 7732-18-5)	35.0	N	N	N					

SECTION II HEALTH HAZARDS

POTENTIAL EFFECTS OF EXPOSURE
EYES

Continued On Page 2

EPAHO102000472

PRODUCT NAME : SODIUM SILICATE N Date: 27-SEP-2005 11:51:14.91
PRODUCT CODE : 11049 635# POLY DR

SECTION II HEALTH HAZARDS (CONTINUED)

Eye contact with product may cause irritation eye damage tissue destruction
SKIN
Skin contact may cause severe irritation burns
INHALATION
Inhalation may cause coughing sneezing irritation lung damage, damage to respiratory system
INGESTION
Ingestion may cause severe irritation gastrointestinal damage
TARGET ORGANS
OVEREXPOSURE MAY CAUSE DAMAGE TO,
DISORDERS OF, OR ADVERSELY AFFECT THE FOLLOWING SYSTEMS, FUNCTIONS, ORGANS: skin
FIRST AID
FIRST AID EYES
Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician.
FIRST AID SKIN
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing before reuse. Discard contaminated shoes and contaminated leather articles. Call a physician.
FIRST AID INHALATION
Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.
FIRST AID INGESTION
DO NOT induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician immediately.
OTHER INFORMATION
ROUTES OF ENTRY
eye contact skin contact
OVEREXPOSURE MAY AGGRAVATE DISORDERS OF THE
skin respiratory system

SECTION III SPECIAL PROTECTION

PROTECTIVE EQUIPMENT
PROTECTIVE EQUIPMENT EYES
chemical goggles faceshield Always wear eye protection when working with chemicals. Do Not wear contact lenses when working with chemicals.
PROTECTIVE EQUIPMENT SKIN
clean body covering clothing impervious gloves
PROTECTIVE EQUIPMENT INHALATION
If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved

Continued On Page 3

EPAHO10200473

PRODUCT NAME : SODIUM SILICATE N Date: 27-SEP-2005 11:51:15.45
PRODUCT CODE : 11049 635# POLY DR

SECTION III SPECIAL PROTECTION (CONTINUED)

for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

VENTILATION REQUIRED:

Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements. Local mechanical ventilation may be required.

ADDITIONAL PROTECTIVE MEASURES

Safety shower, eye wash fountain, and washing facilities should be readily available.

SECTION IV FIRE & EXPLOSION HAZARD DATA

Flash Point (METHOD): > OR = N/A
Flammable Limits (% Volume in Air) UPPER: N/D Lower: N/D

HMIS Info
Health : 2
Fire : 0
React : 0
Special : X

EXTINGUISHING MEDIA

water spray dry chemical carbon dioxide foam

FIRE FIGHTING PROCEDURES

Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS

Toxic fumes may be released.

SECTION V PHYSICAL DATA

Boiling Point: > OR = 212 deg. F
Freezing Point: 32 deg. F
Specific Gravity (H(2)O=1): 1.3000 to 1.5000 @ 68 deg. F
Vapor Pressure (MM HG.): N/D
Vapor Density (AIR=1) : N/D
Evaporation Rate (NA =1): N/D
Solubility in Water: COMPLETE
Percent Volatile by Volume: N/D
pH: aqueous approx. 11.000 to 13.000

Continued On Page 4

EPAHO10200474

PRODUCT NAME : SODIUM SILICATE N Date: 27-SEP-2005 11:51:16.04
PRODUCT CODE : 11049 635# POLY DR

SECTION V PHYSICAL DATA (CONTINUED)

Appearance:
COLORLESS TO LIGHTLY COLORED LIQUID

Odor :
NIL

SECTION VI REACTIVITY DATA

STABILITY
Stable
INCOMPATABILITY
amphoteric metals inorganic acids Avoid contact with amphoteric metals which include aluminum, copper, zinc, and brass. Contact with some metals can generate explosive hydrogen gas.
HAZARDOUS DECOMPOSITION PRODUCTS
carbon monoxide carbon dioxide
HAZARDOUS POLYMERIZATION
Will not occur

SECTION VII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Evacuate non essential personnel, elimnate ignition sources, and wear protective equipment (See Section III). Shut off source of leak only if safe to do so. Contain spill. Recover free product. To clean up residue, flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface waters, and sewers. It may be necessary to remove contaminated soil. If product is flammable or combustible, use non sparking tools. If acidity (low pH) is a problem, neutralize with hydrated lime, soda ash, or sodium bicarbonate. If alkalinity (high pH) is a problem neutralize with dilute acetic acid or dilute hydrochloric (muriatic) acid. If required, notify state and local authorities.
DISPOSAL METHOD
Solids must be disposed of in a permitted waste management facility. Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted facility. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State.

SECTION VIII

Proper Shipping Name: UNCLASSIFIED

Continued On Page 5

EPAHO102000475

PRODUCT NAME : SODIUM SILICATE N Date: 27-SEP-2005 11:51:16.64
PRODUCT CODE : 11049 635# POLY DR

SECTION VIII (CONTINUED)

Label Requirements: NONE
Reportable Quantity: None

SECTION IX ADDITIONAL INFORMATION

PRECAUTIONS
Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do Not breathe vapor, mist, or dust. Do Not get in eyes, on skin, or clothing. Avoid prolonged or repeated contact with skin.
Do not swallow.
HANDLING
Keep heat, lights, fire, and sparks away. For industrial use only. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.
STORAGE
Keep container closed when not in use. Store in a cool dry place. Store in accordance with NFPA requirements. Aluminum containers are not recommended. Tank and equipment manufacturers should be consulted concerning the storage and transporation of this product. Keep out of reach of children.

SECTION X COMPLIANCE INFORMATION

TSCA INVENTORY STATUS :
Listed
INTERNATIONAL INVENTORY STATUS:
Australia (AICS) Listed Canada (DSL) Listed China (CIS) Listed Europe (EINECS) Listed

NAME: GENE TURNER

DATE ISSUED: 931007
DATE REVISED: 050622

< = LESS THAN
> = MORE THAN
N/A = NOT APPLICABLE
N/D = NOT DETERMINED
N/E = NOT ESTABLISHED
UNK = UNKNOWN

The information provided in this Material Safety data sheet has been obtained from sources believed to be reliable. Harcros Chemicals Inc provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration , and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Harcros Chemicals Inc knows of no medical condition, other than those noted on this material safety data sheet, which are generally recognized as being aggravated by exposure to this product.

EPAHO102000476

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1141

Generator: HARCROSS CHEMICAL
Address: 4606 NEW WEST DRIVE PASADENA, TX 77507
Name of Waste: P WASTE ABSORBANT AND SODIUM SILICATE
TCEQ Waste Code Number: CES Q3191

Incompatibilities: CORROSIVE WHEN WET
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): NA
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14574
Waste Manifest Number: 3946668
Date of Shipment: 9-30-05
Container Type (i.e. drum, tote, etc.): Drum
Quantity: 2

Analyst/Sampler: _____ Date: 9-30-05

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-1141**

Customer: **Harcross Chemicals, Inc.**

Waste Generator: **Harcross Chemicals, Inc.**

Waste Stream Name: **Non-Hazardous Sodium Silicate and Absorbent**

Expiration Date: **9/28/2009**

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

Jorge Guerra
Customer Name

Jorge Guerra
Signature

Harcros Chemicals, Whse Supervisor
Company / Title

6-12-09
Date

EPAHO102000478

Tenaris 1142

1142

EPAHO10200479

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 # 1142

Expiration Date 9/30/2008

Generator: Tenaris Coiled Tubes, LLC
Address: 8615 Beltway 8 East
Houston, TX 77044

Waste Information

Name of Waste: Non-Hazardous Absorbent
TCEQ Waste Code #: Recycle
Container Type: Drum
Detailed Description of Process Generating Waste:
Cleaning up of oil leaks from equipment and machinery
Color: Varies **Odor:** None **pH:** NA
Physical State: Solid
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 : Tenaris Coiled Tubes, 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** NA

SECTION 2: Billing Information

Company : Tenaris Coiled Tubes, 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 : Non-Hazardous Absorbent

Detailed Description of the Process Generating Waste:
Cleaning up of oil leaks from equipment and machinery

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

Layers : ☐ Single-Phas ☐ Multi-Phase

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

Container Size : 55

Number Of Units : 20

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non DOT regulated solids (absorbent)

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

EPAHO102000481

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	NA	<20 mg/l	<20 mg/l	100 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
NA mg/l	BRL mg/l	BRL mg/l	BRL mg/l	BRL 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	1-2	%
Hydraulic oil	1-2	%
Kitty litter/absorbent pads	96-98	%

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 generators knowledge

TCLP Metals : Below regulatory limits
TCLP Volatiles : Below regulatory limits
TCLP Semi-Volatiles : Below regulatory limits
Reactivity : No reactive materials are introduced into the process
Corrosivity : pH is neutral
Ignitability : No ignitable materials are introduced into the process

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 : Gary Bailey **Date :** 4-18-08

Printed Name / Title : Gary Bailey / Gary Bailey, Maintenance Supervisor

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information :
Compliance Officer : [signature]	
Date : 9/30/06 Status : Approved Rejected	
Approval Number : OLD PROFILE#1142	

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

- ☐ 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.

EPAHO102000484

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

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/30/2005**

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 # 1142

Generator: Precision Tube Tech.
Address: 8615 Beltway 8 East
Houston, TX 77044

Waste Information

Name of Waste: Non-Hazardous Absorbent
TCEQ Waste Code #: NA
Container Type: Drum
Detailed Description of Process Generating Waste:
Cleaning up of oil leaks from equipment and machinery
Color: Varies **Odor:** None **pH:** NA
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Precision Tube Tech.		
Address:	8615 Beltway 8 East		
City, State, Zip:	Houston, TX 77044		
Contact:	Gary Bailey	**Title:**	Maintenance Supervisor
Phone No:	(281) 924-5862	**Fax No:**	
24/hr Phone:	(281) 924-5862		
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: Non-hazardous Absorbent
Detailed Description of Process Generating Waste: Cleaning up of oil leaks from equipment and machinery

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			

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 20 **Other:**
Texas State Waste Code No: Recyclable
Proper U.S. DOT Shipping Name: Non DOT regulated solids (absorbent)
Class: **UN/NA:** **PG:** **RQ:**

Flash Point >200	**pH** N/A	**Reactive Sulfides** <20mg/l	**Reactive Cyanides** <20mg/l	**Solids** 100%
Oil&Grease N/Amg/l	**TOC** BRImg/l	**Zinc** BRLmg/l	**Copper** BRLmg/l	**Nickel** BRLmg/l

EPAHO102000487

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
water	1-2	%
hydraulic oil	1-2	%
kitty litter/absorbent pads	96-98	

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:	TCLP Metals are below regulatory limits
TCLP Volatiles:	TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles:	TCLP Semi-Volatiles are below regulatory limits
Reactivity:	No reactive materials are introduced into the process
Corrosivity:	pH is nuetral
Ignitability:	No ignitable materials are in the process

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: Gary W Bailey **Date:** September 28, 2005

Printed Name/Title: Gary Bailey, Maintenance Supervisor

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rabbah Rhaughn

Date: 9-30-05 Approved Rejected

Approval Number: 1142

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

EPAHO102000489

(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.

EPAHO102000490

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1142

Generator: PRECISION TUBE
Address: 8615 BELTWAY 8 EAST
Name of Waste: ABSORBENT
TCEQ Waste Code Number: N/A

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: —
Waste Manifest Number: BOL-16607
Date of Shipment: 12/14/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 7

Analyst/Sampler: _____ Date: 12/14/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1142

Generator: PRECISION TUBE TECH
Address: 8615 BELTWAY 8 EAST
Name of Waste: ABSORBANT
TCEQ Waste Code Number: N/A

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15276
Waste Manifest Number: BILL OF LADING
Date of Shipment: 10/28/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 15

Analyst/Sampler: [signature] Date: 10/28/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1142

Generator: PRECISION TUBE
Address: 8615 BELTWAY 8 EAST
Name of Waste: ABSORBENTS
TCEQ Waste Code Number: N/A

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid_____ Solid X
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: 16157
Date of Shipment: 11/28/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 12

Analyst/Sampler: [signature] Date: 11/28/05

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-1142**

Customer: **Tenaris Coiled Tube, LLC (Beltway 8)**

Waste Generator: **Tenaris Coiled Tube, LLC (Beltway 8)**

Waste Stream Name: **Non-Hazardous Absorbent**

Expiration Date: **9/30/2008**

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.

Bruce Reichert
Customer Name

Signature

Tenaris Coiled Tubes/Mgr
Company / Title

11-26-08
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

GSF Energy LLC 1143
Profile# 1143

EPAHO102000495

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/30/2005**

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 # 1143

Generator: GSF Energy, LLC
Address: 9416 Ley Rd
Houston, TX 77078

Waste Information

Name of Waste: Oil Filters/Pads
TCEQ Waste Code #: NA
Container Type: Drum
Detailed Description of Process Generating Waste:
Cleanup of hydraulic leaks from machinery and equipment
Color: Varies **Odor:** Hydrocarbon **pH:** NA
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: *Generator Information*

Company:	GSF Energy, LLC.		
Address:	9416 Ley Road		
City, State, Zip:	Houston,TX 77078		
Contact:	Gary Valdez	**Title:**	Plant Supervisor
Phone No:	(713) 633-9320	**Fax No:**	
24/hr Phone:	(713) 633-9320		
U.S. EPA I.D. No:	N/A		
State I.D.	72146	**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: Oil Filters/Pads
Detailed Description of Process Generating Waste: Cleanup of hydraulic leaks from machinery and equipment

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

Color: Varies **Odor:** Hydrocarbon

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 _____ _____ _____

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 oil filters/pads
Class: _____ **UN/NA:** _____ **PG:** _____ **RQ:** _____

Flash Point >200	**pH** N/A	**Reactive Sulfides** N/Amg/l	**Reactive Cyanides** N/Amg/l	**Solids** 100%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO102000497

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oil Filters	0-100	%
Oil Pads	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.
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: Below Regulatory Limits
TCLP Volatiles: Below Regulatory Limits
TCLP Semi-Volatiles: Below Regulatory Limits
Reactivity: Below Regulatory Limits
Corrosivity: 100% Solid
Ignitability: N/A

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:** September 30, 2005

Printed Name/Title: Gary Valez, Plant Supervisor

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 9-30-05 Approved Rejected

Approval Number: 1143

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

EPAHO102000499

(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.

EPAHO102000500

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1143

Generator: GSF ENERGY
Address: 9416 LEY RD HOUSTON TX 77078
Name of Waste: OIL FILTER + PADS
TCEQ Waste Code Number: RECYCABLE

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid X Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: HYDROCARBON
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-07B-OAR
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14613
Waste Manifest Number: BILL OF LADING
Date of Shipment: 10-03-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 7

Analyst/Sampler: [signature] Date: 10-03-05

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-1143**

Customer: **GSF Energy, LLC**

Waste Generator: **GSF Energy, LLC**

Waste Stream Name: **Oil Filters/Pads**

Expiration Date: **9/30/2008**

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.

☒ Analysis is NOT required for recertification.

☐ Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification. Please sumbit results of the following tests.

- ☐ TCLP Metals
- ☐ TCLP Volatiles
- ☐ TCLP Semi-volatiles
- ☐ Reactivity
- ☐ Corrosivity
- ☐ Ignitability

GSF ENERGY / Gary Valdez
Customer Name

Signature

GSF ENERGY / Plant Manager
Company / Title

10-22-08
Date

GSF Energy LLC 1144

Profile # 1144

EPAHO10200503

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/30/2005**

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 # 1144

Generator: GSF Energy, LLC
Address: 9416 Ley Rd
Houston, TX 77078

Waste Information

Name of Waste: Refractory Brick
TCEQ Waste Code #: 00183041
Container Type: Drum
Detailed Description of Process Generating Waste:
Removal of refractory brick from a furnace
Color: Varies **Odor:** None **pH:** NA
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	GSF Energy, LLC.		
Address:	9416 Ley Road		
City, State, Zip:	Houston,TX 77078		
Contact:	Gary Valdez	**Title:**	Plant Supervisor
Phone No:	(713) 633-9320	**Fax No:**	
24/hr Phone:	(713) 633-9320		
U.S. EPA I.D. No:	N/A		
State I.D.	72146	**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: Refractory Brick
Detailed Description of Process Generating Waste: Removal of refractory brick from a furnace

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					

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 5 **Other:**
Texas State Waste Code No: 00183041
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated waste solids (refractory brick)
Class: **UN/NA:** **PG:** **RQ:**

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	N/A	N/Amg/l	N/Amg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
N/Amg/l	N/Amg/l	N/Amg/l	N/Amg/l	N/Amg/l

EPAHO102000505

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Refractory Brick	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: Below Regulatory Limits
TCLP Volatiles: Below Regulatory Limits
TCLP Semi-Volatiles: Below Regulatory Limits
Reactivity: Below Regulatory Limits
Corrosivity: 100% Solid
Ignitability: N/A

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:** September 30, 2005

Printed Name/Title: Gary Valez, Plant Supervisor

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 9-30-05 (Approved) Rejected _____

Approval Number: 1144 _____

EPAHO102000506

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

EPAHO102000507

(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.

EPAHO102000508

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-1144**

Customer: **GSF Energy, LLC**

Waste Generator: **GSF Energy, LLC**

Waste Stream Name: **Refractory Brick**

Expiration Date: **9/30/2008**

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

Gary Valdez
Customer Name

Signature

GSF ENERGY / Plant Manager
Company / Title

10-22-08
Date

Total P.003

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: 97751.01

Customer: **CES**
Project ID: **GFS/WET**
Project Loc: **Houston, TX**
Charge/P.O.:

Sample ID: **Incinerator Refactory**
Matrix: **Solid**
Type: **Composite**

Environ ID: **97751.01**
Sampled: **08-18-03**
Received: **08-18-03**
Reported: **08-21-03**

RECEIVED BASIS

ANALYTE/PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
METALS (RCRA) - TCLP					SW846.1311	MN	08-18-03	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	08-22-03	10:15
Barium	0.26	mg/l	100	0.02	SW846.6010B	DB	08-22-03	10:15
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	08-22-03	10:15
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	08-22-03	10:15
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	DB	08-22-03	10:15
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	08-21-03	09:00
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	08-22-03	10:15
Silver	< 0.2	mg/l	5.00	0.2	SW846.6010B	DB	08-22-03	10:15

Definitions:
REG - Regulatory Limit (User Should Confirm Limits)
MQL - Method Quantitation Limit
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO102000510

8-21-03 Thursday P.M.

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 Environmental	Invoice To: CES Environmental
Company: CES Environmental	Company: CES Environmental
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) 7°C	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: GSF/WET
Project Location: ~~Lot Test~~ Houston, TX
Project No:
Sampler (Print): Matt Bowman
Sampler (Sign): Matt Bowman

Sampler Remarks:

Remarks & Additional Analyses

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	RCT
97751.01	1) Incinerator Refractory	8-18-03 8:30AM	Solid	Comp							X	
V .02	2) Wastewater Clarifier Sludge	8-18-03 8:30A.M	Solid	Comp					X	X	X	X
	3)											
	4)											
	5)											
	6)											
	7)											
	8)											
	9)											
	10)											

Due: 8.21.03
Invoice #97751

Relinquished By: Matt Bowman	Company: CES Environmental	Date/Time: 8-18-03 1:45PM	Received By: C Keller.	Company: Environ
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

constitutes acceptance of Environ's terms and conditions in the Price Schedule.

EPAHO10200511

1150 Atlantic Industrial Services
Profile # 1150

EPAHO10200512

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 #: **1150**

Customer: **Atlantic Industrial Services**

Waste Generator: **Atlantic Industrial Services**

Waste Stream Name: **Hydrocarbon and Water Mixture**

Expiration Date: **10/10/2006**

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.

Atlantic Industrial Svc's
Customer Name

Signature

Atlantic Industrial Svc's
Company / Title

10-8-2006
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

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/11/2005**

Dear **Eric Dake**

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 # 1150

Generator: Atlantic Industrial Services
Address: 11953 FM 529
Houston, TX 77041

Waste Information

Name of Waste: Hydrocarbon and Water Mixture
TCEQ Waste Code #: NA
Container Type:
Detailed Description of Process Generating Waste:
Draining of automobile gas tanks
Color: Amber **Odor:** Hydrocarbon **pH:** 7
Physical State: Liquid
Incompatibilities: Oxidizers
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

SECTION 1: Generator Information

Company:	Atlantic Industrial Services		
Address:	11953 FM 529		
City, State, Zip:	Houston, TX 7704		
Contact:	Eric Dirks	**Title:**	DISTRICT MGR.
Phone No:	281-960-1869	**Fax No:**	713-896-9410
24/hr Phone:	1-800-256-9600		
U.S. EPA I.D. No:			
State I.D.	A85837	**SIC Code:**	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Atlantic Industrial Services		
Address:	2260 Valleyview Dr.		
City, State, Zip:	Shreveport LA 71105		
Contact:	Sheila Ray	**Title:**	A/C Payable mgr.
Phone No:	1-800-256-9600	**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Hydrocarbon & water mixture
Detailed Description of Process Generating Waste: cleaning of flammable gas tanks

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

Color: Amber **Odor:** Hydrocarbon

Specific Gravity (water=1): <1 **Density:** ~ 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): 1-30 **Other:**
Texas State Waste Code No: n/a
Proper U.S. DOT Shipping Name: Recyclable Hydrocarbon & water mixture.
Class: 9 **UN/NA:** **PG:** **RQ:**

Flash Point <100	**pH** 7	**Reactive Sulfides** mg/l	**Reactive Cyanides** mg/l	**Solids** 0 %
Oil&Grease 0 mg/l	**TOC** mg/l	**Zinc** 0 mg/l	**Copper** 0 mg/l	**Nickel** 0 mg/l

EPAHO102000515

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	90-99	90
Hydrocarbon	1-10	90

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):

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: Eric Dake **Date:** 10-10-05

Printed Name/Title: Eric Dake

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Bhargava

Date: 10-10-05 Approved Rejected

Approval Number: 1150

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

EPAHO102000517

10-10-2005 12:52 ATLANTIC INDUSTRIAL 7138969410 PAGE4
TOTAL P.04

(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.

EPAHO102000518

Amerecon Drum Ltd 1151
Profile # 1151

EPAHO102000519

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/14/2005**

Dear **Jeffrey Reid**

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 # 1151

Generator: Amerecon
Address: 871 Brazosport Blvd.
Clute, TX 77531

Waste Information

Name of Waste: Clarifier Oil Skimmings
TCEQ Waste Code #: 00042061
Container Type: Drum
Detailed Description of Process Generating Waste:
Skimming of various oil based materials from a wastewater clarifier that treats wastewat from a drum washing operation. Drum washing operation includes a 3-stage caustic was performed at 225 F and several cold water rinsing stages. All drum washed ar
Color: Brown **Odor:** Oil **pH:** 3-11
Physical State: Liquid
Incompatibilities: Strong Oxidizers, Acids, Alkalines
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

SECTION 1: Generator Information

Company : Amerecon
Address : 871 Brazosport Blvd.
City, State, Zip : Clute TX 77531
Contact : Jeffrey Reid **Title :**
Phone No : (979) 388-8080 **Fax :** (979) 388-8181
24 / HR Phone :
U.S EPA I.D No : TXR000048496
State I.D : 87075 **SIC Code** NA

SECTION 2: Billing Information

Company : Amerecon
Address : 871 Brazosport Blvd.
City, State, Zip : Clute TX 77531
Contact : Jeffrey Reid **Title :**
Phone No : (979) 388-8080 **Fax :** (979) 388-8181

SECTION 3: General Description of the Waste

Name of Waste : Clarifier Oil Skimmings

Detailed Description of Process Generating Waste:

Skimming of various oil based materials from a wastewater clarifier that treats wastewater from a drum washing operation. Drum washing operation includes a 3-stage caustic wash performed at 225 F and several cold water rinsing stages. All drum washed ar

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

Color : Brown **Odor :** Oil

Specific Gravity (Water=1) : .95 **Density :** 7-8 lbs / gal

Layers : ☐ Single-Phas ☑ Multi-Phase

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

Container Size : 55

Number Of Units : 100

Texas State Waste Code No : 00042061

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
>200	3-11	ND mg/l	ND mg/l	<3 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
400,000 mg/l	NA mg/l	ND mg/l	ND mg/l	ND mg/l

EPAHO102000521

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	30-70	%
Various non-hazardous oil based materials	30-70	%
Solids	0-5	%

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.
Analytical # 8531340-0001

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong Oxidizers, Acids, Alkalines

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 : See analytical
TCLP Volatilies : See analytical
TCLP Semi-Volatiles : See analytical
Reactivity : See analytical
Corrosivity : See analytical
Ignitability : See analytical

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 : _____ **Date :** 10/13/2005

Printed Name / Title : Jeff Reid / Jeff Reid, Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Matt Bowman

Date : 10/14/2005 **Status :** (Approved) Rejected

Approval Number : 1151

Additional Information

RUN CHLOR-D-TECT ON COMPOSITE OF DRUMS. PLEASE NOTE IF >4000

EPAHO102000522

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

EPAHO102000523

(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.

EPAHO102000524

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1151

Generator: AMERECON
Address: 871 BRAZOSPORT BLV CLUTE TX 77531
Name of Waste: CLARIFIER OIL SKIMMINGS
TCEQ Waste Code Number: 0004206

Incompatibilities: STRON OXIDIZER, ACIDS AIKALINES
Safety Related Data/Special Handling: N/A

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): O/W
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14952
Waste Manifest Number: 3946950
Date of Shipment: 10/17/005
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 15

Analyst/Sampler: [signature] Date: 10/17/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1151

Generator: AMERECON
Address: 871 BRAZOSPORT CLUTE, TX
Name of Waste: CLARIFIER OIL SKIMMINGS
TCEQ Waste Code Number: 00042061

Incompatibilities: STRONG OXIDIZERS, ACIDS, ALKALINES
Safety Related Data/Special Handling: NONE KNOWN

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  - Liquid X Solid ____
  - Multiphase Liquid ____ Solid ____ Sludge ____
  - Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5.1
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): O/W
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 16867
Date of Shipment: 12/22/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 90

Analyst/Sampler: [signature] Date: 12/22/05

979.388.8181
Jeff Reid

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1151

Waste Generator: Amerecon

Waste Stream Name: Clarifier Oil Skimmings

Expiration Date: 10/14/2006

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.

Jeffrey Reed
~~American Drum~~
Customer Name

Signature

Plant Manager
Title

American Drum LTD
Company

EPAHO102000527

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **6/12/2008**

Dear **Jeffrey Reid**

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 # 1151

Expiration Date 10/14/2008

Generator: Amerecon
Address: 871 Brazosport Blvd.
Clute, TX 77531

Waste Information

Name of Waste: Clarifier Oil Skimmings
TCEQ Waste Code #: 00042061
Container Type: Drum
Detailed Description of Process Generating Waste:
Skimming of various oil based materials from a wastewater clarifier that treats wastewat from a drum washing operation. Drum washing operation includes a 3-stage caustic was performed at 225 F and several cold water rinsing stages. All drum washed ar

Color: Brown **Odor:** Oil **pH:** 3-11
Physical State: Liquid
Incompatibilities: Strong Oxidizers, Acids, Alkalines
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

1151

SECTION 1: Generator Information

Company : Amerecon
Address : 871 Brazosport Blvd. 871 Brazosport Blvd.
City, State, Zip : Clute TX 77531
Contact : Jeffrey Reid Title :
Phone No : (979) 388-8080 Fax : (979) 388-8181
24 / HR Phone :
U.S EPA I.D No : TXR000048495
State I.D : 87075 SIC Code NA

SECTION 2: Billing Information

Company : Amerecon
Address : 871 Brazosport Blvd. 871 Brazosport Blvd.
City, State, Zip : Clute TX 77531
Contact : Jeffrey Reid Title :
Phone No : (979) 388-8080 Fax : (979) 388-8181

SECTION 3: General Description of the Waste

Name of Waste : Clarifier Oil Skimmings

Detailed Description of the Process Generating Waste:

Skimming of various oil based materials from a wastewater clarifier that treats wastewater from a drum washing operation. Drum washing operation includes a 3-stage caustic wash performed at 225 F and several cold water rinsing stages. All drum washed ar

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

Color : Brown Odor : Oil

Specific Gravity (Water=1) : .95 Density : 7-8 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

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 : 100

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

p.3

Jun 10 08 08:20a

EPAHO102000529

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 : 00042061

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
>200	3-11	ND mg/l	ND mg/l	<3 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
400,000 mg/l	NA mg/l	ND mg/l	ND mg/l	ND 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	30-70	%
Various non-hazardous oil based materials	30-70	%
Solids	0-5	%

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.
Analytical # 8531340-0001

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong Oxidizers, Acids, Alkalines

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 : See analytical
TCLP Volatiles : See analytical
TCLP Semi-Volatiles : See analytical

p.4
Jun 10 08 08:20a
EPAHO102000530

Reactivity : See analytical

Corrosivity : See analytical

Ignitability : See analytical

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

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

p.5

Jun 10 08 08:20a

EPAHO102000531

☐ 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 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 : Jeff Reid Plant Manager **Date :** 10/13/2005

Printed Name / Title : Jeff Reid / Jeff Reid, Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Matt Bowman Robert Mangold

Date : 10/14/2006 **Status :** Approved Rejected

Approval Number : 1151

Process Facility Information :
RUN CHLOR-D-TECT ON COMPOSITE OF DRUMS. PLEASE NOT IF IF >4000 Pricing:
$40/dm <4000TOX
$40/dm >4000TOX

American Drum Ltd 1153
Profile # 1153

EPAHO102000533

SE

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/14/2005**

Dear **Jeffrey Reid**

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 # 1153

Generator: Amerecon
Address: 871 Brazosport Blvd.
Clute, TX 77531

Waste Information

Name of Waste: NH Resins/Floor Dry/Debris
TCEQ Waste Code #: 00034891
Container Type: Drum
Detailed Description of Process Generating Waste:
Various non-hazardous materials with floor dry absorbent and other warehous debris (ie paper, ppe, dirt, etc.)
Color: **Odor:** **pH:** 3-11
Physical State: Solid
Incompatibilities: Strong oxidizers, acids, alkalines
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

SECTION 1: Generator Information

Company : Amerecon
Address : 871 Brazosport Blvd.
City, State, Zip : Clute TX 77531
Contact : Jeffrey Reid **Title :**
Phone No : (979) 388-8080 **Fax :** (979) 388-8181
24 / HR Phone :
U.S EPA I.D No : TXR000048496
State I.D : 87075 **SIC Code** NA

SECTION 2: Billing Information

Company : Amerecon
Address : 871 Brazosport Blvd.
City, State, Zip : Clute TX 77531
Contact : Jeffrey Reid **Title :**
Phone No : (979) 388-8080 **Fax :** (979) 388-8181

SECTION 3: General Description of the Waste

Name of Waste : NH Resins/Floor Dry/Debris

Detailed Description of Process Generating Waste:

Various non-hazardous materials with floor dry absorbent and other warehous debris (ie paper, ppe, dirt, etc.)

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

Color : **Odor :**

Specific Gravity (Water=1) : 1.2 **Density :** 10 lbs / gal

Layers : ☑ Single-Phas ☐ Multi-Phase

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

Container Size : 55

Number Of Units : 15

Texas State Waste Code No : 00034891

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
>200	3-11	ND mg/l	ND mg/l	<3 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
NA mg/l	NA mg/l	ND mg/l	ND mg/l	ND mg/l

EPAHO102000535

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Floor dry	3--70	%
Residual product heels	30-70	%
Warehouse debris	20-30	%

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.
Analytical #8531340

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong oxidizers, acids, alkalines

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 : See analytical attached
TCLP Volatilies : See analytical attached
TCLP Semi-Volatiles : See analytical attached
Reactivity : See analytical attached
Corrosivity : See analytical attached
Ignitability : See analytical attached

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 : _____ **Date :** 10/13/2005

Printed Name / Title : Jeff Reid / Jeff Reid, Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Matt Bowman

Date : 10/14/2005 **Status :** Approved Rejected

Approval Number : 1153

Additional Information

PLEASE NOTE QUANTITY OF SOLIDS AND QUANTITY OF SLUDGES

EPAHO102000536

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

EPAHO102000537

(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.

EPAHO102000538

TOTAL P.02

Amerecon
Jeff Reid
979 388-8181

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: 1153

Waste Generator: Amerecon

Waste Stream Name: NH Resins/Floor Dry/Debris

Expiration Date: 10/14/2006

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.

Jeffrey Reid
Customer Name

Signature

Plant Manager
Title

Amerecon Drum Corp
Company

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **6/12/2008**

Dear **Jeffrey Reid**

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 # 1153

Expiration Date 10/14/2007

Generator: Amerecon
Address: 871 Brazosport Blvd.
Clute, TX 77531

Waste Information

Name of Waste: NH Resins/Floor Dry/Debris
TCEQ Waste Code #: 00034891
Container Type: Drum
Detailed Description of Process Generating Waste:
Various non-hazardous materials with floor dry absorbent and other warehous debris (ie paper, ppe, dirt, etc.)
Color: **Odor:** **pH:** 3-11
Physical State: Solid
Incompatibilities: Strong oxidizers, acids, alkalines
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

1153

SECTION 1: Generator Information

Company : Amerecon
Address : 871 Brazosport Blvd. 871 Brazosport Blvd.
City, State, Zip : Clute TX 77531
Contact : Jeffrey Reid Title :
Phone No : (979) 388-8080 Fax : (979) 388-8181
24 / HR Phone :
U.S EPA I.D No : TXR000048486
State I.D : 87075 SIC Code NA

SECTION 2: Billing Information

Company : Amerecon
Address : 871 Brazosport Blvd 871 Brazosport Blvd
City, State, Zip : Clute TX 77531
Contact : Jeffrey Reid Title :
Phone No : (979) 388-8080 Fax : (979) 388-8181

SECTION 3: General Description of the Waste

Name of Waste : NH Resins/Floor Dry/Debris

Detailed Description of the Process Generating Waste:

Various non-hazardous materials with floor dry absorbent and other warehous debris (ie paper, ppe, dirt, etc.)

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

Color : Odor :

Specific Gravity (Water=1) : 1.2 Density : 10 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 : 15

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

Jun 10 08 08:21a

EPAHO102000541

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 : 00034891

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

Class : NA UN/NA : NA PG : NA NQ : NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	ND mg/l	ND mg/l	<3 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
NA mg/l	NA mg/l	ND mg/l	ND mg/l	ND mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
Floor dry	3--70	%
Residual product heels	30-70	%
Warehouse debris	20-30	%

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.
Analytical #8531340

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong oxidizers, acids, alkalines

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 : See analytical attached
TCLP Volatiles : See analytical attached
TCLP Semi-Volatiles : See analytical attached
Reactivity : See analytical attached

p.9
Jun 10 08 08:21a
EPAHO102000542

Corrosivity : See analytical attached

Ignitability : See analytical attached

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

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

EPAHO102000543

[_] 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* [x] *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: Jeff Reid Plant Manager Date: 10/13/2005

Printed Name / Title: Jeff Reid / Jeff Reid, Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Matt Bowman

Date: 10/14/2006 Status: Approved Rejected

Approval Number: 1153

Process Facility Information:

PLEASE NOTE QUANITY OF SOLIDS AND QUANTITY OF SLUDGES
Solids - $42/dm
Sludges - $55/dm

TOTAL P.10

Jun 10 08 08:21a

1165

VAM - PTS

Profile # 1165

EPAHO102000545

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/21/2005**

Dear **Rosemary Hoffart**

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 # 1165

Generator: VAM-PTS
Address: 19210 Hardy Rd
Houston, TX 77073

Waste Information

Name of Waste: Phosphate Liquids
TCEQ Waste Code #: 00021031
Container Type: Truck
Detailed Description of Process Generating Waste:
Neutralized qaste phosphating liquids
Color: Tan/Green **Odor:** Mild Acidic **pH:** 3-11
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : VAM-PTS
Address : 19210 Hardy Rd
City, State, Zip : Houston TX 77073
Contact : Rosemary Hoffart **Title :**
Phone No : (281) 230-5747 **Fax :**
24 / HR Phone :
U.S EPA I.D No : TXD991304155
State I.D : 33140 **SIC Code** NA

SECTION 2: Billing Information

Company : VAM-PTS
Address : 19210 Hardy Rd
City, State, Zip : Houston TX 77073
Contact : Rosemary Hoffart **Title :**
Phone No : (281) 230-5747 **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Phosphate Liquids

Detailed Description of Process Generating Waste:

Neutralized qaste phosphating liquids

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

Color : Tan/Green **Odor :** Mild Acidic

Specific Gravity (Water=1) : 1.1 **Density :** 9 lbs / gal

Layers : ☑ Single-Phas ☐ Multi-Phase

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

Container Size : 2000

Number Of Units : 1

Texas State Waste Code No : 00021031

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
>200	3-11	0 mg/l	0 mg/l	<5 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
ND mg/l	ND mg/l	ND mg/l	ND mg/l	400 mg/l

EPAHO102000547

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Phospating Liquids	95-98	%
Precipitate salts from neutralization	2-5	%

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.
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 generators knowledge

TCLP Metals : See Analysis
TCLP Volatilies : No organics are part of generating process
TCLP Semi-Volatiles : No organics are part of generating process
Reactivity : See Analysis
Corrosivity : See Analysis
Ignitability : See Analysis

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 : _____ **Date :** 10/18/2005

Printed Name / Title : Rosemary Hoffart / Rosemary Hoffart, EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Matt Bowman

Date : 10/21/2005 **Status :** (Approved) Rejected

Approval Number : 1165

Additional Information

EPAHO102000548

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

EPAHO102000549

(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.

- [x] 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.

EPAHO102000550

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1165

Generator: VAM PTS
Address: 19210 HARDY RD
Name of Waste: PHOSPHATE LIQUIDS
TCEQ Waste Code Number: 00021031

Incompatibilities: NONE
Safety Related Data/Special Handling: NONE

Waste Sample Data

- Color of Sample: GREENISH
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 3.0
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): DEEP WELL
  Bulk tank assigned: T-11

Shipment Information

Job Confirmation Number: 15650
Waste Manifest Number: 3947404
Date of Shipment: 11/09/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 2800 G

Analyst/Sampler: [signature] Date: 11/10/05

TOTAL P.02

Rosemary Hoffart
281 230 5740

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1165**

Waste Generator: **VAM-PTS**

Waste Stream Name: **Phosphate Liquids**

Expiration Date: **10/21/2006**

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.

ROSEMARY HOFFART
Customer Name

Rosemary Hoffart
Signature

HSE
Title

VAM USA
Company

EPAHO102000552

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **6/12/2008**

Dear **Rosemary Hoffart**

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 # 1165

Expiration Date 10/21/2008

Generator: VAM-USA
Address: 19210 Hardy Road
Houston, TX 77073

Waste Information

Name of Waste: Phosphate Liquids
TCEQ Waste Code #: 00021031
Container Type: Truck
Detailed Description of Process Generating Waste:
Neutralized qaste phosphating liquids
Color: Tan/Green **Odor:** Mild Acidic **pH:** 3-11
Physical State: Liquid
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.

1165

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 : VAM-USA
Address : 19210 Hardy Road 19210 Hardy Road
City, State, Zip : Houston TX 77073
Contact : Rosemary Hoffart Title :
Phone No : (281) 230-5747 Fax : (281) 230-5746
24 / HR Phone :
U.S EPA I.D No : TXD991304155
State I.D : 33140 SIC Code NA

SECTION 2: Billing Information

Company : VAM-USA
Address : 19210 Hardy Road 19210 Hardy Road
City, State, Zip : Houston TX 77073
Contact : Rosemary Hoffart Title : Ase Manager
Phone No : (281) 230-5747 Fax : (281) 230-5746

SECTION 3: General Description of the Waste

Name of Waste : Phosphate Liquids

Detailed Description of the Process Generating Waste:
Neutralized qaste phosphating liquids

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

Color : Tan/Green Odor : Mild Acidic
Specific Gravity (Water=1) : 1.1 Density : 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

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 : 2000
Number Of Units : 1

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

EPAHO102000554

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 : 00021031

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
>200	3-11	0 mg/l	0 mg/l	<5 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
ND mg/l	ND mg/l	ND mg/l	ND mg/l	400 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
Phosphating Liquids	95-98	%
Precipitate salts from neutralization	2-5	%

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.
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 generators knowledge

TCLP Metals : See Analysis
TCLP Volatiles : No organics are part of generating process
TCLP Semi-Volatiles : No organics are part of generating process
Reactivity : See Analysis

EPAHO102000555

Corrosivity : See Analysis

Ignitability : See Analysis

SECTION B: 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

EPAHO102000556

(...) 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 : Rosemary Hoffart **Date :** 10/18/2006

Printed Name / Title : Rosemary Hoffart / Rosemary Hoffart, EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Matt Bowman

Approved Rejected

Date : 10/21/2006 **Status :**

Approval Number : 1165

Process Facility Information :

Base price is $0.22/gallon. Solids surcharge applies for > 3%.
$85.00/DM

Old name: VAM-USA.

TOTAL P.05

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 #: **1165**

Customer: **VAM-USA**

Waste Generator: **VAM-USA**

Waste Stream Name: **Phosphate Liquids**

Expiration Date: **10/21/2008**

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

Customer Name

Signature

Lead Mgr HSE Dept

Company / Title

10-28-08

Date

EPAHO102000558

MacDermid

245 Freight Street – Waterbury, CT 06702
Telephone (203)575-5700 – Fax (203)575-5630

[redacted] 1

MATERIAL SAFETY DATA SHEET

PRODUCT KEYKOTE 36 **ISSUE DATE** 08/30/2005
PRODUCT CODE 114664

24 Hour Emergency Number: CHEMTREC(1-800-424-9300)

SECTION 1 PRODUCT IDENTIFICATION

TRADE NAME KEYKOTE 36
CHEMICAL FAMILY 0

NFPA RATING:

3	**Health**	0	**Flammability**
1	**Reactivity**		**Other**

(0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High and 4 = Extreme)

SECTION 2 HAZARDOUS INGREDIENTS

MacDermid has identified the following chemical ingredient(s) as hazardous.

Chemical Name	CAS #	By Weight %
PHOSPHORIC ACID	7664-38-2	25 - 30
ZINC NITRATE	7779-88-6	30 - 40
NICKEL SULFATE	7786-81-4	1 - 3
INORGANIC FLUORIDE COMPOUND		0.5 - 1.5

SECTION 3 PHYSICAL DATA

DENSITY	13.51 LB/GL	**FORM**	Liquid
SPECIFIC GRAVITY	1.62	**PH**	1
FREEZING POINT	< 32.00 °F 0 °C	**FLASH POINT**	Not applicable
VAPOR PRESSURE	Not determined	**% VOC**	Not applicable
BOILING POINT	Not determined	**MELTING POINT**	Not applicable

CHEMICAL OXYGEN DEMAND (COD) Not determined
BIOLOGICAL OXYGEN DEMAND (BOD) Not determined
SOLUBILITY IN WATER Soluble
COLOR/ODOR Green/slight acrid

NOTE: These physical properties are typical values for this product.

SECTION 4	FIRE AND EXPLOSION DATA
FLASH POINT	Not applicable
EXTINGUISHING MEDIA	Dry chemical, carbon dioxide, foam, water. As appropriate for surrounding material.
UNUSUAL FIRE & EXPLOSION HAZARDS	When heated to decomposition, toxic fumes are emitted. Wear self-contained breathing apparatus/protective clothing.

SECTION 5	FIRST AID DATA
EYES	Flush with water for 15 minutes. Obtain medical aid IMMEDIATELY.
SKIN	Wash contaminated skin with large amounts of water. Remove and isolate contaminated clothing. If irritation develops, get medical aid.
INGESTION	Rinse mouth with water. Give water to drink. Do not induce vomiting. Obtain medical aid immediately.
INHALATION	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical aid immediately.
CAUTION	If unconscious – having trouble breathing – or in convulsions do not induce vomiting or give water.

Always clean contaminated clothing and gear prior to reuse. NEVER administer anything to an unconscious person.

SECTION 6	HEALTH EFFECTS DATA

Primary Route(s) of Exposure: Eye, Skin, Inhalation and Ingestion

EYE CONTACT (ACUTE)	Direct contact will cause severe burns to eyes with possible corneal damage.
EYE CONTACT (CHRONIC)	No data available.
SKIN CONTACT (ACUTE)	Contact will cause severe burns and tissue destruction.
SKIN CONTACT (CHRONIC)	Prolonged or repeated contact may cause sensitization or allergic skin reaction ("Nickel Itch").
INGESTION (ACUTE)	Will cause severe burns to all areas of contact.
INGESTION (CHRONIC)	No data available.
INHALATION (ACUTE)	Breathing of high vapor concentrations may be irritating to respiratory tract. May cause burns to entire respiratory system.
INHALATION (CHRONIC)	No data available.

SECTION 7	PERSONAL PROTECTIVE DATA
RESPIRATORY PROTECTION	If there is a value for OSHA-PEL/ACGIH-TLV in section 13 and it is exceeded, it is recommended that a NIOSH approved respirator be used. Consult with your Industrial Hygienist for appropriate cartridge selection and use. See 29CFR 1910.134 for details. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a positive pressure, self contained breathing apparatus is recommended.
VENTILATION	General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists or aerosols may be released.
PROTECTIVE EQUIPMENT	Chemically resistant apron, boots and gloves. Recommended material of construction: PVC, rubber, neoprene. The availability of a safety shower is recommended. If clothing is contaminated, remove clothing and thoroughly wash the affected body area. Launder contaminated clothing before reuse.Wear safety glasses or splash proof goggles, face shield. The availability of an eye wash is recommended. These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility

These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility.

SECTION 8	TOXICOLOGY DATA

TOXICITY STUDIES:

Toxicity studies have not been conducted on this product. However toxicity literature surveys have been conducted on the ingredient(s) in section 2. The results are as follows:

ACUTE ORAL TOXICITY	Phosphoric acid- orl-rat LD50: 1530 mg/kg
ACUTE DERMAL TOXICITY	Phosphoric acid- skn-rbt LD50: 2740 mg/kg
ACUTE RESPIRATORY TOXICITY	No data available.
OTHER TOXICOLOGICAL EFFECTS	Nickel sulfate may cause eye and skin irritation. Prolonged or repeated skin contact may cause sensitization dermatitis and possible destruction and/or ulceration. May cause respiratory and digestive tract irritation. May cause cancer based on animal studies.

Listed as suspected carcinogen by:

IARC	YES	**NTP**	YES	**OSHA**	NO

SECTION 9	REACTIVITY DATA
INCOMPATABILITY	Alkaline materials, combustibles and organics
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce oxides of nitrogen and phosphorus, hydrogen fluoride (HF).
STABILITY	Stable
HAZARDOUS POLYMERIZATION	No hazardous polymerization.

SECTION 10 SPILLS & DISPOSAL DATA

In case of Transportation Accidents, call the following 24 hour telephone number: CHEMTREC (1-800-424-9300)

SPILL CONTROL AND RECOVERY	Soak up into inert absorbent material. DO NOT use sawdust or other organic materials. Collect for disposal in plastic recovery drum. Flush residue with plenty of water to chemical drain.
DISPOSAL	Dispose of by an approved method at an approved secure facility.

Please ensure that packaging, including drums, are disposed of in a responsible manner and in accordance with federal, and your state's, solid/hazardous waste regulations. You may want to refer to www.reuseablepackaging.org for further disposal guidance.

Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements. Spills may REQUIRE notification to FEDERAL, STATE and/or LOCAL AUTHORITIES.

SECTION 11 TRANSPORTATION DATA

DOT

PROPER SHIPPING NAME
OXIDIZING LIQUID, CORROSIVE, N.O.S.
(CONTAINS ZINC NITRATE / PHOSPHORIC ACID)

HAZARD CLASS / SUBSIDIARY CLASS	5.1 / 8		
UN/NA#	UN3098		
REPORTABLE QUANTITY (RQ)	217 GL	**Pkg Group**	III

IMO

PROPER SHIPPING NAME
OXIDIZING LIQUID, CORROSIVE, N.O.S.

HAZARD CLASS / SUBSIDIARY CLASS	5.1 / 8		
UN/NA #	UN3098	**Pkg Group**	III

IATA

PROPER SHIPPING NAME
OXIDIZING LIQUID, CORROSIVE, N.O.S.

HAZARD CLASS / SUBSIDIARY CLASS	5.1 / 8		
UN/NA #	UN3098	**Pkg Group**	III

EXPORT LICENSE MAY BE REQUIRED TO EXPORT THIS PRODUCT

SECTION 12 GENERAL STORAGE DATA

STORAGE TEMPERATURE	Maximum: 120 °F 48.9 °C Minimum: 37 °F 2.8 °C
STORAGE INFORMATION	Store in a cool, dry area.

SECTION 13 REGULATORY DATA

The following regulations apply to this product.

FEDERAL REGULATIONS
OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:
Based on our evaluation, the following ingredients in this product are subject to this rule:

Chemical Name	OSHA PEL	ACGIH TLV
NICKEL SULFATE	1 mg/m3	0.1 mg/m3
PHOSPHORIC ACID	1 mg/m3	1 mg/m3
ZINC NITRATE		
INORGANIC FLUORIDE COMPOUND		2.5 mg/m3

CERCLA/SUPERFUND, 40 CFR 117, 302/304: Notification of spills of this product is required

SARA/SUPERFUND AMENDMENTS & REAUTHORIZATION ACT OF 1986 (TITLE III)

Sections 302, 311, 312 and 313

Section 302: Extremely Hazardous Substances
This product does not contain ingredient(s) as listed in APPENDIX A of 40 CFR 355.

SECTIONS 311 & 312 – M.S.D.S. REQUIREMENTS (40 CRF 370)
This product contains ingredient(s) that may require reporting under Hazardous Chemical Inventory Reporting

- [X] **Immediate (Acute) health hazard**
- [X] **Delayed (Chronic) health hazard**
- [ ] **Fire Hazard**
- [ ] **Sudden release of pressure hazard**
- [ ] **Reactive Hazard**

SECTION 313 – LIST OF TOXIC CHEMICALS (40 CFR 372)
This product contains ingredient(s) listed under 40 CFR 372.65

Chemical Name
NICKEL SULFATE
ZINC NITRATE

TOXIC SUBSTANCE CONTROL ACT (TSCA)
TOXIC SUBSTANCE CONTROL ACT (TSCA): The chemical ingredient(s) in this product are listed on the 8(b) Inventory List (40 CFR 710).

RESOURCE CONSERVATION & RECOVERY ACT (RCRA), 40 CRF 261 SUBPARTS C & D
Please refer to section 10, disposal information for pertinent data.

PRIORITY POLLUTANTS
This product contains ingredient(s) on the list of Clean Water Act Priority Pollutants.

Chemical Name
NICKEL SULFATE
ZINC NITRATE

OSHA PROCESS SAFETY (1910.119)
This product does not contain ingredient(s) listed in APPENDIX A of 29 CFR 1910.119 of Highly Hazardous Chemicals, Toxics, and Reactives of OSHA process safety management.

CLEAN AIR ACT
This product contains ingredient(s) listed on the Hazardous Air Pollutants of CAA 40 CFR 112(G).

Chemical Name
NICKEL SULFATE

OZONE DEPLETING SUBSTANCES
This product does not contain ingredient(s) listed on Ozone Depleting Substances of CAA 40 CFR 82.

STATE REGULATIONS

CALIFORNIA PROPOSITION 65
This product contains ingredient(s) listed on California Prop 65 suspected carcinogen/reproductive toxicant list.

Chemical Name
NICKEL SULFATE

MICHIGAN CRITICAL MATERIALS
This product contains ingredient(s) listed on the Michigan Critical Material Register.

Chemical Name
NICKEL SULFATE
ZINC NITRATE

The information listed above does not include all Federal, State, and International regulations. The regulations listed above may change from time to time; It is the users responsibility to keep advised of current regulatory requirements.

Prepared by MacDermid Safety & Regulatory Compliance Department, based upon publicly available reference information.

SECTION 14 USER NOTIFICATION

To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.

Copyright 2004 MacDermid 203-575-5700. All rights reserved

Laboratory Analysis Report

Total Number of Pages: 12

Job ID : 08100766

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
1008-62 VAM-USA W/ Richey Rd Houston, TX

Report To :	Client Name:	CES Environmental	P.O.#.: 1008-62
	Attn:	Al Longoria	Sample Collected By: Durim T.
	Client Address:	4904 Griggs Rd	Date Collected: 10/28/08
	City, State, Zip:	Houston, Texas, 77021	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
1008-62 / Phosphate Liquid	Liquid	08100766.01

Shantall Carpenter

Released By: Shantall Carpenter
Title: Project Manager
Date: 10/31/2008

This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

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.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 10/28/2008 16:30

EPAHO102000565

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 08100766

Date: 10/31/2008

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

EPAHO102000566

LABORATORY TEST RESULTS

Job ID : 08100766

Date 10/31/2008

Client Name: CES Environmental — Attn: Al Longoria
Project Name: 1008-62 VAM-USA W/ Richey Rd Houston, TX

Client Sample ID: 1008-62 / Phosphate Liquid
Date Collected: 10/28/08
Time Collected: 15:35
Other Information:

Job Sample ID: 08100766.01
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				10/28/08 16:45	SG
SW-846 6010C	TCLP Metals								
	Antimony	BRL	mg/L	1	0.04	1		10/31/08 15:56	PGm
	Arsenic	BRL	mg/L	1	0.04	1.8		10/31/08 15:56	PGm
	Barium	0.171	mg/L	1	0.04	100.0		10/31/08 15:56	PGm
	Beryllium	BRL	mg/L	1	0.04	0.08		10/31/08 15:56	PGm
	Cadmium	BRL	mg/L	1	0.04	0.5		10/31/08 15:56	PGm
	Chromium	1.05	mg/L	1	0.04	5.0		10/31/08 15:56	PGm
	Lead	BRL	mg/L	1	0.04	1.5		10/31/08 15:56	PGm
	Nickel	1660	mg/L	100	4	70		10/31/08 16:12	PGm
	Selenium	BRL	mg/L	1	0.1	1.0		10/31/08 15:56	PGm
	Silver	BRL	mg/L	1	0.04	5.0		10/31/08 15:56	PGm
	Vanadium	0.296	mg/L	1	0.04	30		10/31/08 15:56	PGm
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/L	1	25			10/29/08 09:05	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	BRL	mg/L	1	25			10/29/08 09:05	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.0005	0.2		10/29/08 14:42	EG
SW-846 9040C	Corrosivity, pH								
	pH	<2	s.u.					10/28/08 16:35	SG

EPAHO102000567

QUALITY CONTROL CERTIFICATE

Job ID : 08100766 **Date :** 10/31/2008

Analysis : Ignitability (Flash Point) **Method : SW-846 1010** **Reporting Units : °F**

QC Batch ID : Qb08102901 **Created Date :** 10/28/08 **Created By :** Sgarcia

Samples in This QC Batch : 08100766.01

QC Type: Duplicate

QC Sample ID: 08100529.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		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
Ignitability	83	86	104	83	86	104	0	20	75-125	

Refer to the Definition page for terms.

EPAHO102000568

QUALITY CONTROL CERTIFICATE

Job ID : 08100766 **Date :** 10/31/2008

Analysis : Corrosivity, pH **Method : SW-846 9040C** **Reporting Units : s.u.**

QC Batch ID : Qb08102905 **Created Date :** 10/28/08 **Created By :** Sgarcia

Samples in This QC Batch : 08100766.01

QC Type: Duplicate

QC Sample ID: 08100717.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	12.40	12.37	s.u.	0.24	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.00	4.01							3.95-4.05	

Refer to the Definition page for terms.

EPAHO102000569

QUALITY CONTROL CERTIFICATE

Job ID : 08100766 **Date :** 10/31/2008

Analysis : TCLP Metals, Mercury **Method : SW-846 7470A** **Reporting Units : mg/L**

QC Batch ID : Qb08103011 **Created Date :** 10/29/08 **Created By :** Egonda

Samples in This QC Batch : 08100766.01

Digestion :	PB08103008	**Prep Method :** SW-846 7470A	**Prep Date :**	10/29/08 09:00	**Prep By :**	Egonda
TCLP Prep :	PB08102821	**Prep Method :** SW-846 1311	**Prep Date :**	10/28/08 16:50	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005		

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	0.0051	101	0.005	0.0051	102	0.59	35	71-143	

QC Type: MS and MSD
QC Sample ID: 08100504.01

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	0.0047	94.4	0.005	0.0048	95.4	1.05	35	61-175	

Refer to the Definition page for terms.

EPAHO102000570

QUALITY CONTROL CERTIFICATE

Job ID : 08100766 **Date :** 10/31/2008

Analysis : Reactive Sulfide **Method : SW-846 7.3** **Reporting Units : mg/L**

QC Batch ID : Qb08103017 **Created Date :** 10/29/08 **Created By :** Ksudha

Samples in This QC Batch : 08100766.01

Sample Preparation : PB08103015 **Prep Method :** SW-846 7.3 **Prep Date :** 10/29/08 09:00 **Prep By :** Ksudha

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: 08100766.01

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	720	90	800	680	85	5.71	20	40-110	

Refer to the Definition page for terms.

EPAHO102000571

QUALITY CONTROL CERTIFICATE

Job ID : 08100766 **Date :** 10/31/2008

Analysis : Reactive Cyanide **Method : SW-846 7.3** **Reporting Units : mg/L**

QC Batch ID : Qb08103019 **Created Date :** 10/29/08 **Created By :** Ksudha

Samples in This QC Batch : 08100766.01

Sample Preparation : PB08103017 **Prep Method :** SW-846 7.3 **Prep Date :** 10/29/08 09:00 **Prep By :** Ksudha

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: 08100766.01

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	5.0	2.20	44	5.0	2.26	45.2	2.69	20	40-110	

Refer to the Definition page for terms.

EPAHO102000572

QUALITY CONTROL CERTIFICATE

Job ID : 08100766 **Date :** 10/31/2008

Analysis : TCLP Metals **Method : SW-846 6010C** **Reporting Units : mg/L**

QC Batch ID : Qb08103139 **Created Date :** 10/31/08 **Created By :** Egonda

Samples in This QC Batch : 08100766.01

Digestion : PB08103119 **Prep Method :** SW-846 3010A **Prep Date :** 10/31/08 15:00 **Prep By :** Egonda
TCLP Prep : PB08102821 **Prep Method :** SW-846 1311 **Prep Date :** 10/28/08 16:50 **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	0.04	
Barium	7440-39-3	BRL	mg/L	1	0.04	
Beryllium	7440-41-7	BRL	mg/L	1	0.04	
Cadmium	7440-43-9	BRL	mg/L	1	0.04	
Chromium	7440-47-3	BRL	mg/L	1	0.04	
Lead	7439-92-1	BRL	mg/L	1	0.04	
Nickel	7440-02-0	BRL	mg/L	1	0.04	
Selenium	7782-49-2	BRL	mg/L	1	0.1	
Silver	7440-22-4	BRL	mg/L	1	0.04	
Vanadium	7440-62-2	BRL	mg/L	1	0.04	

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	2	2.09	105	2	2.10	105	0.48	20	80-120	
Arsenic	2	2.09	105	2	2.10	105	0.48	20	80-120	
Barium	2	1.95	97.5	2	1.98	99	1.53	20	80-120	
Beryllium	2	2.03	102	2	2.03	102	0	20	80-120	
Cadmium	2	2.04	102	2	2.06	103	0.98	20	80-120	
Chromium	2	1.97	98.5	2	1.99	99.5	1.01	20	80-120	
Lead	2	2.04	102	2	2.07	104	1.46	20	80-120	
Nickel	2	1.97	98.5	2	1.99	99.5	1.01	20	80-120	
Selenium	2	2.11	106	2	2.13	107	0.94	20	80-120	
Silver	2	2.14	107	2	2.17	109	1.39	20	80-120	
Vanadium	2	2.00	100	2	2.03	102	1.49	20	80-120	

QC Type: MS and MSD
QC Sample ID: 08100734.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony	BRL	2	2.08	103						70-130	
Arsenic	BRL	2	2.09	105						45-138	
Barium	0.447	2	2.30	92.7						39-135	
Beryllium	BRL	2	2.02	101						70-130	
Cadmium	BRL	2	2.00	100						56-125	

Refer to the Definition page for terms.

EPAHO102000573

QUALITY CONTROL CERTIFICATE

Job ID : 08100766 **Date :** 10/31/2008

Analysis : TCLP Metals **Method : SW-846 6010C** **Reporting Units : mg/L**

QC Batch ID : Qb08103139 **Created Date :** 10/31/08 **Created By :** Egonda

Samples in This QC Batch : 08100766.01

QC Type: MS and MSD
QC Sample ID: 08100734.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium	BRL	2	1.93	96.4						52-125	
Lead	BRL	2	2.02	101						55-125	
Nickel	BRL	2	1.96	96.5						70-130	
Selenium	BRL	2	2.09	104						70-130	
Silver	BRL	2	2.11	105						26-148	
Vanadium	BRL	2	1.99	99.5						70-125	

Refer to the Definition page for terms.

EPAHO102000574

A & B Labs — *Chain of Custody* — The Chain of Custody is a Legal Document — Page 1 of 1

10100 East Fwy (I-10) Ste. 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 0810007606

5. Project #

1. REPORT TO:
Company: CES ENVIRONMENTAL
Address: 4504 Bellaire Blvd
Houston, TX 77021
Contact: Al Longoria
Phone: (713)676-1460
Fax: X (713)676-1676
E-mail: X alongoria@cesenvironmental.

2. INVOICE TO:
Company: Same
Address:
Contact:
Phone:
Fax: ☐
E-mail: ☐

3. PO # 1008-03

4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other
☒ 2 Days*
☐ 3 Days* *Surcharge applies
☐ 7 Days - Standard

6. Project Name/Location: VAM-USA W Richey Rd. Houston TX

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Durim Tafilaj / CES Environmental — Sampler's Signature & Date: 10/28

13. No. of Containers
14. Containers*
15. Preservatives**
16. PH-Lab Only
17. Analyses/Methods: TCLP 11 Metals; RCI

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	10. Sampling Time	11. Comp.	11. Grab	12. Matrix: Water	Soil	Sludge	Oil	Air	Other	18. REMARKS
01A	1008-03 Phosphate Liq.	10/28	3:35		X						X	✓ —

Page 1 of 2

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1	10/28	4:30			
2					
3			21. RECEIVED BY LABORATORY	10/28/14	16:30

22. KNOWN HAZARDS/COMMENTS

Temperature: 2.50 °C
Intact Y or N Initials M.P

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; 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 #

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

EPAHO102000575

Sample Condition Checklist

Date : **10/31/08**

A&B JobID : **08100766**	Date Received : **10/28/2008**	Time Received : **4:30PM**
Client Name : **CES Environmental**		
Temperature : **23.0°C**	Sample pH : **N/A**	

	Check Points	Yes	No
1.	**Cooler seal present and signed.**	N/A	
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.**	N/A	
7.	**Sample containers arrived intact. (If no comment).**	X	
8.	**Matrix :** **Water** ☐ **Soil** ☐ **Liquid** ☑ **Sludge** ☐ **Solid** ☐ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☐		
9.	**Sample(s) were received in appropriate container(s).**	X	
10.	**Sample(s) were received with proper preservative**		
11.	**All samples were logged or labeled.**	X	
12.	**Sample ID labels match C-O-C ID's**	X	
13.	**Bottle count on C-O-C matches bottles found.**	X	
14.	**Sample volume is sufficient for analyses requested.**	X	
15.	**Samples were received within the hold time.**	X	
16.	**VOA vials completely filled.**	N/A	
17.	**Sample accepted.**	X	

Comments : Include actions taken to resolve discrepancies/problem:

Sample was received without a cooler nor ice.

Received by : Mperalta

Check in by/date : Mperalta / 10/28/2008

EPAHO102000576

Houston Plating 1166
Profile # 1166

EPAHO102000577

7E
T-36
LAB
8-5-09

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 #: **1166**

Customer: **Houston Plating & Coatings LLC**

Waste Generator: **Houston Plating & Coatings LLC**

Waste Stream Name: **Non-Hazardous DN-30 Parts Washer**

Expiration Date: **10/21/2007**

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 - BTEX
- ☐ TCLP Semi-volatiles
- ☒ Reactivity
- ☒ Corrosivity
- ☒ Ignitability

Houston Plating + Coatings
Customer Name

Joseph Stanbevich
Signature

Vice President
Company / Title

2-28-08
Date

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 00212051 USED DN30 CLEANING SOLUTION PARTS WASH LIQUID

GENERATOR KNOWLEDGE
Revieved 9/13/2005
Revised 7/9/2007

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.

DN30 is used to clean metal parts. The metal parts are then coated with a phosphate coating.

An additional composite sample was taken on 8/29/2005 and the analytical on this composite sample showed that this waste waste stream could be classified as a Class 2 waste but the Company still wants to keep things simple and classified it as a Class 1 waste. An additional composite sample was taken 6/19/2007 and this analytical showed the same results as the other analytical, it remains Class 1.

Joseph Stankovich

November 18, 2004
September 13, 2005
July 9, 2007

Laboratory Analysis Report

Total Number of Pages: 13

Job ID : 90856

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project ID :
Used DN3O/1315 Georgia

Report To :	Client Name:	Houston Plating Company, LLC	P.O.#.:	9754
	Attn:	Joseph Stankovich	Sample Collected By:	Joseph Stankovich
	Client Address:	P.O. Box 418	Date Collected:	06/19/07
	City, State, Zip:	Houston, Texas, 77587		

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Used DN30 1315 Georgia Container #4	Liquid	90856.01
Used DN30 1315 Georgia Containers 1,2&3	Liquid	90856.02

Waste Stream
00212051

Most
Recent
ANALYTICAL

Released By: Sonia West
Title: Senior Project Manager
Date: 6/29/2007

This Laboratory is NELAP (T104704213-06-TX) 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.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 06/20/2007 09:16

EPAHO102000581

LABORATORY TEST RESULTS

Job ID: 90856

Date: 6/29/2007

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Used DN3O/1315 Georgia

Client Sample ID: Used DN30 1315 Georgia Container #4

Job Sample ID: 90856.01

Date Collected: 06/19/07

Sample Matrix: Liquid

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				06/26/07 10:20	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.1	5.0		06/25/07 12:31	SC
	Barium	0.265	mg/L	1	0.1	100.0		06/25/07 12:31	SC
	Cadmium	BRL	mg/L	1	0.1	1.0		06/25/07 12:31	SC
	Chromium	BRL	mg/L	1	0.1	5.0		06/25/07 12:31	SC
	Lead	BRL	mg/L	1	0.1	5.0		06/25/07 12:31	SC
	Selenium	BRL	mg/L	1	0.500	1.0		06/25/07 12:31	SC
	Silver	BRL	mg/L	1	0.1	5.0		06/25/07 12:31	SC
SW-846 7.3									
	Reactive Cyanide	BRL	mg/L	1	25			06/27/07 13:05	KS
SW-846 7.3									
	Reactive Sulfide	BRL	mg/L	1	25			06/27/07 14:50	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		06/25/07 12:30	RB
SW-846 9040C	Corrosivity, pH								
	pH	10.08	s.u.	1				06/21/07 09:05	KS

EPAHO102000582

LABORATORY TEST RESULTS

Job ID : 90856

Date 6/29/2007

Client Name: Houston Plating Company, LLC
Attn: Joseph Stankovich
Project ID: Used DN3O/1315 Georgia

Client Sample ID: Used DN30 1315 Georgia Containers 1,2&3
Date Collected: 06/19/07
Time Collected: 08:00
Other Information:

Job Sample ID: 90856.02
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	25	0.05		D1	06/20/07 17:02	SS
	Toluene	BRL	mg/L	25	0.05			06/20/07 17:02	SS
	Ethylbenzene	BRL	mg/L	25	0.05			06/20/07 17:02	SS
	Xylenes	BRL	mg/L	25	0.150			06/20/07 17:02	SS
	Trifluorotoluene(surr)	112	%	25	75-125			06/20/07 17:02	SS

EPAHO102000583

QUALITY CONTROL CERTIFICATE

Job ID : 90856 **Date :** 6/29/2007

Analysis : Purgeable Aromatics **Method :** SW-846 8021B **Reporting Units :** mg/L

QC Batch ID : Qb07062304 **Created Date :** 06/20/07 **Created By :** Ssrinivasan

Samples in This QC Batch : 90856.02

Sample Preparation : PB07062304 **Prep Method :** SW-846 5030C **Prep Date :** 06/20/07 12:00 **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	0.020	100	0.02	0.021	105	4.88	20	80-120	
Toluene	0.02	0.018	90	0.02	0.019	95	5.41	20	80-120	
Ethylbenzene	0.02	0.019	95	0.02	0.019	95	0	20	80-120	
Xylenes	0.06	0.052	86.7	0.06	0.053	88.3	1.90	20	80-120	

QC Type: MS and MSD
QC Sample ID: 90854.02

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	0.020	100	0.02	0.020	100	0	20	75-125	
Toluene	BRL	0.02	0.019	95	0.02	0.019	95	0	20	75-125	
Ethylbenzene	BRL	0.02	0.019	95	0.02	0.019	95	0	20	75-125	
Xylenes	BRL	0.06	0.053	88.3	0.06	0.053	88.3	0	20	75-125	

Refer to the Definition page for terms.

EPAHO102000584

QUALITY CONTROL CERTIFICATE

Job ID : 90856 **Date :** 6/29/2007

Analysis : TCLP Metals **Method :** SW-846 6010C **Reporting Units :** mg/L

QC Batch ID : Qb07062517 **Created Date :** 06/25/07 **Created By :** Scuello

Samples in This QC Batch : 90856.01

Digestion :	PB07062203	**Prep Method :** SW-846 3010A		**Prep Date :**	06/22/07 09:00	**Prep By :**	Rbairamadgi
TCLP Prep :	PB07062201	**Prep Method :** SW-846 1311		**Prep Date :**	06/21/07 17:00	**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	0.974	97.4	1	0.990	99	1.63	20	80-120	
Barium	1	0.899	89.9	1	0.912	91.2	1.44	20	80-120	
Cadmium	1	0.969	96.9	1	0.982	98.2	1.33	20	80-120	
Chromium	1	0.894	89.4	1	0.907	90.7	1.44	20	80-120	
Lead	1	0.885	88.5	1	0.896	89.6	1.24	20	80-120	
Selenium	1	0.975	97.5	1	0.988	98.8	1.32	20	80-120	
Silver	1	0.927	92.7	1	0.937	93.7	1.07	20	80-120	

QC Type: MS and MSD
QC Sample ID: 90920.01

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	1.97	98.5	2	1.98	99	0.50	25	45-138	
Barium	0.380	2	2.10	86	2	2.11	86.5	0.47	25	39-135	
Cadmium	BRL	2	1.88	94	2	1.90	95	1.06	25	56-125	
Chromium	BRL	2	1.86	93	2	1.87	93.5	0.53	25	52-125	
Lead	BRL	2	1.70	85	2	1.71	85.5	0.58	25	55-125	
Selenium	BRL	2	1.94	97	2	1.96	98	1.03	25	70-130	
Silver	BRL	2	1.81	90.5	2	1.82	91	0.55	25	26-148	

Refer to the Definition page for terms.

EPAHO102000585

QUALITY CONTROL CERTIFICATE

Job ID : 90856 **Date :** 6/29/2007

Analysis : TCLP Metals, Mercury **Method :** SW-846 7470A **Reporting Units :** mg/L

QC Batch ID : Qb07062518 **Created Date :** 06/25/07 **Created By :** Rbairamadgi

Samples in This QC Batch : 90856.01

Digestion : PB07062512 **Prep Method :** SW-846 7470A **Prep Date :** 06/25/07 09:00 **Prep By :** Rbairamadgi

TCLP Prep : PB07062201 **Prep Method :** SW-846 1311 **Prep Date :** 06/21/07 17:00 **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: 90849.01

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	0.0019	38	0.005	0.0020	40	5.13	35	61-175	M2

Refer to the Definition page for terms.

EPAHO102000586

QUALITY CONTROL CERTIFICATE

Job ID : 90856 **Date :** 6/29/2007

Analysis : Corrosivity, pH **Method :** SW-846 9040C **Reporting Units :** s.u.

QC Batch ID : Qb07062603 **Created Date :** 06/21/07 **Created By :** Ksudha

Samples in This QC Batch : 90856.01

Sample Preparation : PB07062603 **Prep Method :** SW-846 9040C **Prep Date :** 06/21/07 09:00 **Prep By :** Ksudha

QC Type: Duplicate

QC Sample ID: 90856.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
pH	10.08	10.08	s.u.	0	5	

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	3.96	99						80-120	

Refer to the Definition page for terms.

EPAHO102000587

QUALITY CONTROL CERTIFICATE

Job ID : 90856 **Date :** 6/29/2007

Analysis : Ignitability (Flash Point) **Method :** SW-846 1010 **Reporting Units :** °F

QC Batch ID : Qb07062630 **Created Date :** 06/26/07 **Created By :** Ksudha

Samples in This QC Batch : 90856.01

Sample Preparation : PB07062719 **Prep Method :** SW-846 1010 **Prep Date :** 06/26/07 10:15 **Prep By :** Ksudha

QC Type: Duplicate

QC Sample ID: 90950.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		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
Ignitability	83	85	102	83	83	100	2.38	20	75-125	

Refer to the Definition page for terms.

EPAHO102000588

QUALITY CONTROL CERTIFICATE

Job ID : 90856 **Date :** 6/29/2007

Analysis : **Method :** SW-846 7.3 **Reporting Units :** mg/L

QC Batch ID : Qb07062749 **Created Date :** 06/27/07 **Created By :** Ksudha

Samples in This QC Batch : 90856.01

Sample Preparation : PB07062723 **Prep Method :** SW-846 7.3 **Prep Date :** 06/27/07 13:00 **Prep By :** Ksudha

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: 90856.01

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	0.31	62	0.5	0.29	58	6.67	20	40-110	

Refer to the Definition page for terms.

EPAHO102000589

QUALITY CONTROL CERTIFICATE

Job ID : 90856 **Date :** 6/29/2007

Analysis : **Method :** SW-846 7.3 **Reporting Units :** mg/L

QC Batch ID : Qb07062751 **Created Date :** 06/27/07 **Created By :** Ksudha

Samples in This QC Batch : 90856.01

Sample Preparation : PB07062725 **Prep Method :** SW-846 7.3 **Prep Date :** 06/27/07 14:45 **Prep By :** Ksudha

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: 90856.01

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	770	714	92.7	770	674	87.5	5.76	20	40-110	

Refer to the Definition page for terms.

EPAHO102000590

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 90856

Date: 6/29/2007

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

D1	Sample required dilution due to matrix effects.
M2	MS/MSD recovery is low, LCS/LCSD recovery is acceptable.

EPAHO102000591

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 JOB ID: 10856

5. Project #

1. REPORT TO:
Company: Houston Plating + Coatings, LLC
Address: P.O. Box 418
South Houston TX 77587
Contact: Joseph Stankovich
Phone: 713 946 8920
Fax: 713 946 7326
E-mail: joe@houstonplatingllc.com

2. INVOICE TO:
Company: Houston Platingt Coatings, 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# 9754

4. Turnaround Time (Business Days)
- ☐ Same Day* ☐ Need by
- ☐ 1 Day*
- ☐ 2 Days*
- ☐ 3 Days*
- ☐ ~~7~~ Days

* Surcharge applies

6. Project Name / Location: Used DN30 \ 1315 Georgia

7. Special Instructions (PLEASE PRINT): Please use EPA + TCEQ 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: 6/19/07

13. No. of Containers

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	13. No. of Containers	14. Containers*	15. Preservatives**	16. Analyses/Methods: TCLP-8-RCRA Metals, As, Ba, Cd, Cr, Pb, Hg, Se, Ag / TCLP Volatiles / BTEX	17. REMARKS
	1	Used DN30	6-19-07	8:00 AM	✓							✓	1	✓	✓	✓	Liquid sample/ice
	2	1315 Georgia	—	—													
	3	Container #4	—	—													
	4																
2A/C	5	Used DN30	6-19-07	8:00 AM	✓							✓	3			✓	Liquid sample/ice
	6	1315 Georgia	—	—													
	7	Containers 1, 2, + 3	—	—													
	8																
	9																
	10																

	18. RELINQUISHED BY	DATE	TIME	19. RECEIVED BY	DATE	TIME
1	Joseph Stankovich	6-20-07		Rocio Ramos	6/20/07	9:16
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; 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 #: 9754

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

EPAHO102000592

Sample Condition Checklist

Date : **06/20/07**

A&B JobID : **90856**	Date Received : **06/20/2007**	Time Received : **09:16 AM**
Client Name : **Houston Plating Company, LLC**		
Temperature : **4°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.	X	
16.	Sample accepted.	X	

Comments : Include actions taken to resolve discrepancies/problem:

Received by : Rgamez

Check in by/date : Rgamez / 6/20/2007

Gary Peterson

From: Gary Peterson
Sent: Monday, March 03, 2008 10:22 AM
To: Al Longoria; Morgan McCarley; Dan Bowman
Cc: Bo Cumberland; Marlin Moser; Prabhaker Thangudu
Subject: Recertification

Texmark is coming in today. Profile 1288 needs recertification. The material is a biosludge. One correction on the profile is the waste needs to be a liquid and solid combination. Also the material should be a multiphase. The profile lists reactive cyanides as < 20 ppm. This is too high. The reactive cyanides needs to be less than 2 ppm. This is our permit limit. All else looks good.

Houston & Plating is here. Profile 1166 needs recertification. The profile lists some metals but the zinc is blank. Zinc needs to be declared. The physical state is not declared. The sample today has 2% solids. The material is a combination of liquid and solids. The profile states analytical supporting documents includes a TCLP. There is not any analytical documents in the folder. All else looks good.

EPAHO102000594

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **3/1/2007**

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 # 1166

Generator: Houston Plating
Address: 1315 Georgia, PO Box 418
South Houston, TX 77587

Waste Information

Name of Waste: Non-Hazardous DN-30 Parts Washer
TCEQ Waste Code #: 00202051
Container Type: Drum
Detailed Description of Process Generating Waste:
Spent DN-30 parts washer and water used to clean parts prior to phosphating operations
Color: Brown **Odor:** Mild **pH:** 7-10
Physical State: Liquid
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 :	Houston Plating		
Address :	1315 Georgia, PO Box 418 1315 Georgia 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 :	TXD982556391		
State I.D :	38553	**SIC Code**	3471; 3479

SECTION 2: Billing Information

Company :	Houston Plating		
Address :	1315 Georgia, PO Box 418 1315 Georgia 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:

Spent DN-30 parts 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 : 55

Number Of Units : 4

Texas State Waste Code No : 00202051

Proper U.S. State Waste Code No : Non-RCRA Waste DN-30 Parts Washer (aquious)

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	7-10	0 mg/l	0 mg/l	0-1 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
NA mg/l	mg/l	mg/l	.47 mg/l	4.42 mg/l

EPAHO102000596

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	38-75	%
Water	25-60	%
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

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 :

TCLP Volatilies : 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 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 : _____ **Date :** 10/20/2005

Printed Name / Title : Joe Stankovich / Joe Stankovich, Vice President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Special Pricing / Analytical Info:

Compliance Officer : Matt Bowman

Date : 10/21/2005 **Status :** Approved Rejected

Recommended Treatment:

Approval Number : 1166

EPAHO102000597

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

EPAHO102000598

(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.

- [x] 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.

EPAHO102000599

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/21/2005**

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 # 1166

Generator: Houston Plating
Address: 1315 Georgia
Houston, TX 77587

Waste Information

Name of Waste: Non-Hazardous DN-30 Parts Washer
TCEQ Waste Code #: 00212051
Container Type: Drum
Detailed Description of Process Generating Waste:
Spent DN-30 parts washer and water used to clean parts prior to phosphating operations
Color: Brown **Odor:** Mild **pH:** 7-10
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Houston Plating		
Address:	1315 Georgia		
City, State, Zip:	South Houston, TX 77587		
Contact:	Joe Stankovich	Title:	Vice President
Phone No:	(713) 946-8920	Fax No:	(713) 946-8487
24/hr Phone:	(713) 946-8920		
U.S. EPA I.D. No:	TXD982556391		
State I.D.	38553	SIC Code:	3471, 3479

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 DN 30 Parts Washer
Detailed Description of Process Generating Waste: Spent DN 30 parts 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): 9-1.1 Density: 8 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): 4 Other:
Texas State Waste Code No: 00212051
Proper U.S. DOT Shipping Name: Non-RCRA Waste DN 30 Parts Washer (aqueous)
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >150	pH 7-10	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0-1%
Oil&Grease N/Amg/l	TOC mg/l	Zinc mg/l	Copper .47mg/l	Nickel 4.42mg/l

I

OCT-21-2005 08:22 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.2/15
OCT-20-2005 13:48 CES Environmental Service 713 676 1676 P.02

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
ON 30 Parts Washer	40-75	%
Water	25-60	%
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

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: 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: Joseph Stankovich **Date:** 10/20/05

Printed Name/Title: Joe Stankovich

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ **Additional Information:** _____

Date: 10-21-05 Approved Rejected

Approval Number: 1166

OCT-21-2005 08:22 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.3/15
713 676 1676 CES Environmental Service P.03
EPAHO102000602

(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.

OCT-21-2005 08:22 FROM:HOUSTON PLATING 713 946 7326 CES Environmental Service TO:713 676 1676 P.5/15
OCT-20-2005 13:48 713 676 1676 P.05

EPAHO102000603

LABORATORY TEST RESULTS

A&B Job ID: 68399 — Date: 12/13/04

CLIENT: Houston Plating Company, LLC — PROJECT: Sample #1 Composite Sample DN30 tank — ATTN: Joseph Stankovich

Client Sample ID: Sample #1 Composite Sample DN30 tank
Date Collected: 12/7/2004
Time Collected: 10:45
Sample Loc./Other Info:

A&B Job Sample ID: 68399-01
Sample Matrix: Liquid

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 7 3									
	Reactive Cyanide	BRL	mg/L	1	25			12/10 16:25	DS
SW-846 7.3									
	Reactive Sulfide	BRL	mg/L	1	25			12/10 16:00	DS
SW-846 1010									
	Ignitability	>150	°F	1				12/09 10:20	DS
SW-846 9040C									
	pH	9.34	pH units	1				12/09 9:00	DS
SW-846 6010B	**TCLP Metals**								
	Antimony	BRL	mg/L	2	0 2	1		12/10 12:57	SEC
	Arsenic	BRL	mg/L	2	0.2	1.6		12/10 12:57	SEC
	Barium	1.14	mg/L	2	0.2	100		12/10 12:57	SEC
	Beryllium	BRL	mg/L	2	0.16	0.08		12/10 12.57	SEC
	Cadmium	BRL	mg/L	2	0.2	0 5		12/10 12:57	SEC
	Chromium	0.36	mg/L	2	0.2	5		12/10 12.57	SEC
	Copper	0.47	mg/L	2	0 2			12/10 12:57	SEC
	Lead	BRL	mg/L	2	0.2	1.5		12/10 12:57	SEC
	Nickel	4.42	mg/L	2	0.2	70		12/10 12:57	SEC
	Selenium	BRL	mg/L	2	1	1		12/10 12:57	SEC
	Silver	BRL	mg/L	2	0.2	5		12/10 12:57	SEC
	Vanadium	BRL	mg/L	2	0.2			12/10 12:57	SEC
SW-846 7470A	**TCLP Mercury**								
	Mercury	BRL	mg/L	1	0.002	0.2		12/10 13:15	SEC
TX 1005	**Total Petroleum Hydrocarbons**								
	C6-C12	143.5	mg/L	5	8.9			12/09 15.18	WH
	>C12-C28	201.7	mg/L	5	9.65			12/09 15:18	WH
	>C28-C35	258.6	mg/L	5	17 1			12/09 15:18	WH
	Total C6-C35	603.8	mg/L	5				12/09 15:18	WH

** BRL - Below Reporting Limit

OCT-12-2005 13:09 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.3/18

EPAHO102000604

A & B Environmental Services, Inc.
10100 East Freeway, Suite 100
Houston, Texas 77029

SAMPLE SURROGATE RECOVERY REPORT

Report Date: 12/13/2004

A&B Job ID: 68399

Parameter	Method	CAS #	Spike Added	Spike Result	D.F.	%Rec	% Rec CLIMIT	Analysis DateTime	Analyst	A&B Job Sample ID	Q
Chlorooctadecane	TX 1005	3386-33-2	100	N/A	5		50-149	12/9/04 15:18	Whuimei	68399-01	JS

JS-Target Compounds caused elevation of baseline. Surrogate is not available

EPAHO102000605

OCT-12-2005 13:09 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.5/18

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 12/13/2004

A&B Job ID: 68399

QCType: Duplicate Parameter	Method	QCSapl Result	Dup Result	RPD	RPD CLimits		QCBatchID	QC SampleID	Qual.
Reactive Cyanide	SW-846 7.3	BRL	BRL	0	<20		Q121004rcyn	68399-01	
Reactive Sulfide	SW-846 7.3	BRL	BRL	0	<20		Q121004rsul	68399-01	
Ignitability	SW-846 1010	>150	>150	0	<20		Q120904fpt	68399-01	
pH	EPA 150.1	9.34	9.34	0	<20		Q120904pH	68399-01	

QCType: LCS and LCSD Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID		Qual
Reactive Cyanide	SW-846 7.3		0.5	0.25	0.26	50	52	3.9	<20	40-110	Q121004rcyn		
Reactive Sulfide	SW-846 7.3		1000	940	980	94	98	4.2	<20	40-110	Q121004rsul		
Ignitability	SW-846 1010		83	84	83	101	100	1.2	<20	75-125	Q120904fpt		
pH	EPA 150.1		4	3.99		99.8			<20	80-120	Q120904pH		
Copper	SW-846 6010B		1	0.99	0.99	99	99	0.0	<25	80-120	Q121004mlcu		
Vanadium	SW-846 6010B		1	0.94	0.95	94	95	1.1	<25	80-120	Q121004mtv		
Antimony	SW-846 6010B		1	0.97	0.97	97	97	0.0	<25	80-120	Q121004mt		
Arsenic	SW-846 6010B		1	1.02	1.02	102	102	0.0	<25	80-120	Q121004mt		
Barium	SW-846 6010B		1	0.91	0.90	91	90	1.1	<25	80-120	Q121004mt		
Beryllium	SW-846 6010B		1	0.97	0.96	97	96	1.0	<25	80-120	Q121004mt		
Cadmium	SW-846 6010B		1	0.97	0.97	97	97	0.0	<25	80-120	Q121004mt		
Chromium	SW-846 6010B		1	0.92	0.92	92	92	0.0	<25	80-120	Q121004mt		
Lead	SW-846 6010B		1	0.91	0.91	91	91	0.0	<25	80-120	Q121004mt		
Nickel	SW-846 6010B		1	0.92	0.92	92	92	0.0	<25	80-120	Q121004mt		
Selenium	SW-846 6010B		1	1.05	1.06	105	106	0.9	<25	80-120	Q121004mt		

** BRL-Below Reporting Limit

EPAHO10200606

OCT-12-2005 13:10 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.7/18

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 12/13/2004

A&B Job ID: 68399

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Antimony	SW-846 6010B	7440-36-0	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Beryllium	SW-846 6010B	7440-41-7	BRL	mg/L	1	0.08	Q121004mt	TCLP Metals	
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Nickel	SW-846 6010B	7440-02-0	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q121004mt	TCLP Metals	
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q121004mt	TCLP Metals	
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q121004hgt	TCLP Mercury	
C6-C12	TX 1005		BRL	mg/L	1	1.78	q120904tph1005a	Total Petroleum Hydrocarbons	
>C12-C28	TX 1005		BRL	mg/L	1	1.93	q120904tph1005a	Total Petroleum Hydrocarbons	
>C28-C35	TX 1005		BRL	mg/L	1	3.42	q120904tph1005a	Total Petroleum Hydrocarbons	

** BRL-Below Reporting Limit

EPAHO102000607

Sample Condition Checklist

Lab ID#: **68399**	Date Received: **December 8, 2004**	Time Received: **10:50 AM**
Company Name: **Houston Plating & Coatings, LLC**		
Project: **Sample #1 Composite Sample DN30 from tank HP+C, LLHMSD**		
Temperature: **0°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	Samples were received in appropriate container(s)	X	
10.	All samples were tagged 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/problems

Check in by/date: **12/08/04 SB** JBeard

LIMS log in by/date: **12/08/04 MG** MGayle

OCT-12-2005 13:10 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.9/18

EPAHO102000608

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

EMERGENCY TELEPHONE NUMBER(S)

(b) (4)

[redacted]

OCT-12-2005 13:11 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.11/18

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

EMERGENCY TELEPHONE NUMBER(S)

(b) (4)

[redacted]

OCT-12-2005 13:11 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.13/18

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

EMERGENCY TELEPHONE NUMBER(S)

(b) (4)

[redacted]

OCT-12-2005 13:11 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.15/18

EPAHO102000611

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

(b) (4)

[redacted]

OCT-12-2005 13:11 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.17/18

NALCO

MATERIAL SAFETY DATA SHEET

PRODUCT

AEROCLEAN DN30

EMERGENCY TELEPHONE NUMBER(S)

(800) 424-9300 (24 Hours) CHEMTREC

(b) (4)

[redacted]

OCT-12-2005 13:11 FROM:HOUSTON PLATING 713 946 7326 TO:713 676 1676 P.15/18

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1166

Generator: HOUSTON PLATING
Address: 1315 GEORGIA
Name of Waste: NON HAZ DN-30 PARTS WASHER
TCEQ Waste Code Number: 00212051

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7.6
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-11

Shipment Information

Job Confirmation Number: 17215
Waste Manifest Number: 3957039
Date of Shipment: 01/06/06
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 1700 GAL

Analyst/Sampler: _____ Date: 01/06/06

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **6/12/2008**

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 # 1166

Expiration Date 10/21/2009

Generator: Houston Plating & Coatings LLC
Address: 1315 Georgia
South Houston, TX 77587

Waste Information

Name of Waste: Non-Hazardous DN-30 Parts Washer
TCEQ Waste Code #: 00212051
Container Type: Drum
Detailed Description of Process Generating Waste:
Spent DN-30 parts washer and water used to clean parts prior to phosphating operations
Color: Brown **Odor:** Mild **pH:** 7-10
Physical State: Liquid
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 : Houston Plating & Coatings LLC
Address : 1315 Georgia 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 : TXD982566391
State I.D : 38553 SIC Code 3471; 3479

SECTION 2: Billing Information

Company : Houston Plating & Coatings LLC
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 the Process Generating Waste:

Spent DN-30 parts 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

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 : 4

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

Received Time Jun. 4. 8:18AM

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 : 00212051

Proper U.S. State Waste Code No : Non-RCRA Waste DN-30 Parts Washer (aquious)

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	7-10	0 mg/l	0 mg/l	0-1 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
NA mg/l	mg/l	mg/l	.47 mg/l	4.42 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
DN-30 Parts washer	38-75	%
Water	25-60	%
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

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 :
TCLP Volatiles : X
TCLP Semi-Volatiles : X
Reactivity :

Received Time Jun. 4. 8:18AM

Corrosivity :

Ignitability :

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

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

Received Time Jun. 4. 8:18AM

[ ] 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 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 :** 10/20/2005

Printed Name / Title : Joe Stankovich / Joe Stankovich, Vice President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Matt Bowman Robert Changet

Approved Rejected

Date : 10/21/2007 **Status :**

Approval Number : 1166

Process Facility Information :
Get % solids and note to billing on %
Trans $300/load
.21/gal
.03 B/W 2-10% Solids
Take to Newpark after Get Solids Content

Received Time Jun. 4. 8:18AM

VAM - PTS 1072

[Profile # 1072]

EPAHO102000620

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date — **8/5/2005**

Dear **Jim Carroll**

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 # 1072

Generator: VAM-PTS
Address: 19210 Hardy Rd
Houston, TX 77073

Waste Information

Name of Waste: Process Solids
TCEQ Waste Code #: 00035131
Container Type: Drum
Detailed Description of Process Generating Waste:
Removal of sludge/solids from process unit
Color: Dark **Odor:** None **pH:** 4-11
Physical State: Sludge
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	VAM-PTS		
Address:	19210 Hardy Road		
City, State, Zip:	Houston, TX 77073		
Contact:	Jim Carroll	**Title:**	EH&S Coordinator
Phone No:	(281) 230-5747	**Fax No:**	
24/hr Phone:	(281) 230-5747		
U.S. EPA I.D. No:	TXD991304155		
State I.D.	33140	**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: Process Solids
Detailed Description of Process Generating Waste: Removal of sludge/solids from process unit

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

Color: Dark **Odor:** None

Specific Gravity (water=1): 1.2 **Density:** 9.5 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): 15 **Other:** ____
Texas State Waste Code No: 00035131
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated waste sludge (phosphate sludge)
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point ~~>200~~ 7160	**pH** 4-11	**Reactive Sulfides** BRLmg/l	**Reactive Cyanides** BRLmg/l	**Solids** 0-75%
Oil&Grease N/Amg/l	**TOC** BRLmg/l	**Zinc** BRLmg/l	**Copper** BRLmg/l	**Nickel** BRLmg/l

EPAHO102000622

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Drain Sludge (leaves, rocks, hydraulic oil)	0-100	%
Phosphate Sludge	0-100	%
Graphite Sludge	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.
Analytical # 50915.01 .

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: See analytical # 50915.01 .
TCLP Volatiles: TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles: TCLP Semi-Volatiles are below regulatory limits
Reactivity: See analytical # 50915.01 .
Corrosivity: See analytical # 50915.01 .
Ignitability: See analytical # 50915.01 .

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: Jim Carroll **Date:** August 2, 2005

Printed Name/Title: Jim Carroll, HSE Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Matt Bowen Additional Information: _____

Date: 8-4-05 (Approved) Rejected _____

Approval Number: 1072 _____

EPAHO102000623

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

EPAHO102000624

(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.

EPAHO102000625

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: 50915.01 1of 1

Customer: CES Env. Svcs. Sample ID: Phosphate Sludge Environ ID: 50915.01
Project ID: VAM-PTS Phosphate Sludge Sampled: 08-01-05
Project Loc: Richey Rd. Matrix: Solid Received: 08-01-05
Charge/P.O.: Type: Composite Reported: 08-02-05

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	< 500	mg/kg	--	500	TCEQ 1005.03	DB	08-02-05	11:36
DRO (Diesel Range)	3,469	mg/kg	--	500	TCEQ 1005.03	DB	08-02-05	11:36
ORO (Oil Range)	1,772	mg/kg	--	500	TCEQ 1005.03	DB	08-02-05	11:36
TOTAL TPH	5,241	mg/kg	--	500				
RCI								
Reactive Cyanide	< 20	mg/kg	250	20	SW846.7.3.3	DB	08-02-05	09:15
Reactive Sulfide	< 20	mg/kg	500	20	SW846.7.3.4	DB	08-02-05	09:15
Corrosivity (Ph)	3.15	su	=>2; =<12.5	--	SW846.9045C	MN	08-02-05	10:35
Ignitability	> 160	°F	> 140	--	SW846.1010	JK	08-02-05	12:30
TCLP METALS					SW846.1311	MN	08-01-05	
Antimony	< 0.08	mg/l	1.0	0.08	SW846.6010B	DB	08-02-05	11:00
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	08-02-05	11:00
Barium	0.42	mg/l	100	0.02	SW846.6010B	DB	08-02-05	11:00
Beryllium	< 0.05	mg/l	0.1	0.05	SW846.6010B	DB	08-02-05	11:00
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	08-02-05	11:00
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	08-02-05	11:00
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	08-02-05	11:00
Nickel	26.5	mg/l	70.0	0.1	SW846.6010B	DB	08-02-05	11:00
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	08-02-05	11:00
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	08-02-05	11:00
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	08-02-05	08:20

Definitions:
TCLP - Toxcisity Charasteric Leaching Proceduresu - Standard Units
REG - Regulatory Limit (User Should Confirm Lim VOC - Volatile Organic Compounds
MQL - Method Quanitation Limit SVOC - Semivolatile Organic Compounds
PPM - Parts Per Million TPH - Total petroleum Hydrocarbons
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO102000626

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	DB	DATE:	08.02.05	UNITS:	PPM (mg/l)	NO.SAMPLES:	5

SAMPLES:	50915.01	50916.01	50916.02	50908.01	50903.01			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 50915.01

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	4.78	96	95	1	92	0	75 - 125	20
Barium	0.00	5	4.78	96	98	2	93	0	75 - 125	20
Cadmium	0.00	5	4.72	94	96	2	95	0	75 - 125	20
Chromium	0.00	5	4.80	96	98	2	92	0	75 - 125	20
Lead	0.00	5	4.80	96	98	2	93	0	75 - 125	20
Selenium	0.00	5	4.70	94	96	2	93	0	75 - 125	20
Silver	0.00	5	4.26	85	81	6	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: 12.03.03	UNITS: mg/l	NO.SAMPLES: 3

SAMPLES:	50915.01	50916.01	50916.02					

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	90	0	1	60 - 120	20

John Keller

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	TPH	METHOD:	TNRCC 1005.3

ANALYST:	dmb	MATRIX:	SOIL	UNITS:	mg/kg	SAMPLES:	2

SAMPLES:	50911-03	50915-01					

SAMPLE	MB	CCV	LCS	MS	MSD	MS-MSD	QC LIMITS	
Blank	mg/kg	REC	REC	REC	REC	RPD	REC	RPD
GRO RESULT	<50	80	73	73	70	5	70 - 130	30
DRO RESULT	<50	87	89	89	88	1	70 - 130	30

John Keller 8/2/05

JOHN KELLER, Ph.D, Lab.Dir./QA-QC Mgr. DATE

KEY:

TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
CCV - Continuing Calibration Verification
MB - Method Blank
LCS - Laboratory Control Sample
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative % Difference
REC - Recovery %

CHAIN OF CUSTODY

ENVIRON Express Laboratories

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: SEAN EASTON	Invoice To: SAME
Company: CES ENV. SVCS	Company:
Address: 4904 GRIGGS RD	Address:
City: HOUSTON State: TX Zip: 77021	City: State: Zip:
Phone: (713) 676-1460	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) 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: VAM-PTS Phosphate Sludge
Project Location: Lickey RD
Project No: PHOSPHATE SLUDGE
Sampler (Print): SEAN EASTON
Sampler (Sign):
Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	BTEX (8021)	TPH (TX1005)	RCI	PAH	TOTAL EPA TCLP: VOLATILES	SEMI-VOLS	RCRA METALS
	[2] Cntr. Type		P								
	Number		1								
	Volume		32oz								
	[3] Preservative		1								
50915.01	1) Phosphate Sludge	8/1/05 11:15 AM	SO	C		X	X				X
	2)										
	3)										
	4)										
	5)										
	6)										
	7)										
	8)										
	9)										
	10)										

Relinquished By:	Company: CES ENV. SVCS	Date/Time: 8/1/05 1228 PM	Received By: Ronda Hargrave	Company: EEL
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.

3/ 3 ;2814715821
8- 2-05;12:22PM;Environ
EPAHO10200630

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1072

Generator: VAM - PTS
Address: 19210 HARDY RD HOUSTON, TX 77073
Name of Waste: PHOSPHATE SLUDGE
TCEQ Waste Code Number: 00035131

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☐ YES ☐ NO
- Matches general composition from the waste profile: ☐ YES ☐ NO
- pH of liquid (water phase): 2
- Odor: NONE
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: 3629967
Date of Shipment: ~~8/30~~ 8/3/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 2

Analyst/Sampler: _____ Date: 8-3-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: N/A

Generator: VAM PTS
Address: 19210 HARDY RD HOUSTON TX 77073
Name of Waste: OILY RAGS
TCEQ Waste Code Number: _____

Incompatibilities: _____
Safety Related Data/Special Handling: _____

Waste Sample Data

- Color of Sample: _____
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☐ YES ☐ NO
- Matches general composition from the waste profile: ☐ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: _____
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): N/A
- Bulk process code assigned (see list): R-OTB-OFR
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: B/L 13440
Date of Shipment: _____
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: [signature] Date: 8-11-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1077

Generator: VAM PTS
Address: A210 HARDY RD HARDY RD
Name of Waste: DRAIN SLUDGE
TCEQ Waste Code Number: 00035131

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): ____
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 13799
Waste Manifest Number: 3946335
Date of Shipment: 8-25-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: [signature] Date: 8-25-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1072

Generator: VAMPTS
Address: 19210 HARDY RD
Name of Waste: PHOSPHATE SLUDGE
TCEQ Waste Code Number: 00035131

Incompatibilities: NONE KNOW
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): ____
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14302
Waste Manifest Number: 3946547
Date of Shipment: 9-16-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 6

Analyst/Sampler: [signature] Date: 9-16-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1072

Generator: VAM PTS
Address: 9210 HARD RD HOUSTON, TX 77073
Name of Waste: PHOSPHATE SLUDGE
TCEQ Waste Code Number: 0003513I

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 3
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14835
Waste Manifest Number: 3946910
Date of Shipment: 10/12/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 8

Analyst/Sampler: [signature] Date: 10/12/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1072

Generator: VAM PTS
Address: 19210 HARDY RD HOUSTON, TX 77073
Name of Waste: PHOSPHATE SLUDGE
TCEQ Waste Code Number: 0003513

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): ____
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15354
Waste Manifest Number: 3947297
Date of Shipment: 11-01-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 4

Analyst/Sampler: [signature] Date: 11/01/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1072

Generator: VAM PTS
Address: 19210 HARDY RD HOUSTON, TX 77073
Name of Waste: PHOSPHATE SLUDGE
TCEQ Waste Code Number: 00035131

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 3
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ML31
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15709
Waste Manifest Number: 3747417
Date of Shipment: 11-11-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: [signature] Date: 11-11-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1072

Generator: VAM PTS
Address: 19210 HARDY RD
Name of Waste: PROCESS SOLIDS
TCEQ Waste Code Number: 00035131

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid ____ Solid X
  Multiphase Liquid ____ Solid ____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6.0
- Odor: NONE
- Compatible with proposed mix material: ☑ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB-1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16442
Waste Manifest Number: 3956601
Date of Shipment: 12/08/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 02

Analyst/Sampler: CA Date: 12/08/05

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-1072**

Customer: **VAM-USA**

Waste Generator: **VAM-USA**

Waste Stream Name: **Process Solids**

Expiration Date: **8/10/2008**

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

Customer Name

Signature

Lead Man HSE Dept

Company / Title

10-28-08

Date

Laboratory Analysis Report

Total Number of Pages: 9

Job ID : 08100789

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
1008-03 / Van - USA @ Richey Rd Houston, TX

Report To :	Client Name:	CES Environmental	P.O.#.: 1008-03
	Attn:	Al Longoria	Sample Collected By: Duram Z.
	Client Address:	4904 Griggs Rd	Date Collected: 10/29/08
	City, State, Zip:	Houston, Texas, 77021	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
1008-03 Process Solids	Sludge	08100789.01

Released By: Sonia West
Title: Senior Project Manager
Date: 10/30/2008

This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

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.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Partial Report

Date Received : 10/29/2008 15:08

EPAHO102000640

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 08100789

Date: 10/30/2008

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

EPAHO102000641

LABORATORY TEST RESULTS

Job ID : 08100789

Date 10/30/2008

Client Name: CES Environmental

Attn: Al Longoria

Project Name: 1008-03 / Van - USA @ Richey Rd Houston, TX

Client Sample ID: 1008-03 Process Solids

Job Sample ID: 08100789.01

Date Collected: 10/29/08

Sample Matrix Sludge

Time Collected:

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				10/30/08 09:30	SG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/Kg	1	25			10/29/08 16:05	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	100	mg/Kg	1	25			10/29/08 16:05	KS
SW-846 9045D	Corrosivity, pH								
	pH	7.19	s.u.					10/30/08 12:00	SG

EPAHO102000642

QUALITY CONTROL CERTIFICATE

Job ID : 08100789 **Date :** 10/30/2008

Analysis : Corrosivity, pH **Method : SW-846 9045D** **Reporting Units : s.u.**

QC Batch ID : Qb08103009 **Created Date :** 10/30/08 **Created By :** Sgarcia

Samples in This QC Batch : 08100789.01

QC Type: Duplicate

QC Sample ID: 08100789.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	7.20	7.19	s.u.	0.14	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.00	4.02							3.95-4.05	

Partial Report

Refer to the Definition page for terms.

EPAHO102000643

QUALITY CONTROL CERTIFICATE

Job ID : 08100789 **Date :** 10/30/2008

Analysis : Reactive Sulfide **Method :** SW-846 7.3 **Reporting Units :** mg/Kg

QC Batch ID : Qb08103018 **Created Date :** 10/29/08 **Created By :** Ksudha

Samples in This QC Batch : 08100789.01

Sample Preparation : PB08103016 **Prep Method :** SW-846 7.3 **Prep Date :** 10/29/08 16:00 **Prep By :** Ksudha

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: 08100789.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	100	100	mg/Kg	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
Reactive Sulfide	800	680	85	800	680	85	0	20	40-120	

Partial Report

Refer to the Definition page for terms.

EPAHO102000644

QUALITY CONTROL CERTIFICATE

Job ID : 08100789 **Date :** 10/30/2008

Analysis : Reactive Cyanide **Method :** SW-846 7.3 **Reporting Units :** mg/Kg

QC Batch ID : Qb08103020 **Created Date :** 10/29/08 **Created By :** Ksudha

Samples in This QC Batch : 08100789.01

Sample Preparation : PB08103019 **Prep Method :** SW-846 7.3 **Prep Date :** 10/29/08 16:00 **Prep By :** Ksudha

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: 08100789.01

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	5.0	2.29	45.8	5.0	2.17	43.4	5.38	20	40-120	

Partial Report

Refer to the Definition page for terms.

EPAHO102000645

QUALITY CONTROL CERTIFICATE

Job ID : 08100789 **Date :** 10/30/2008

Analysis : Ignitability (Flash Point) **Method : SW-846 1010** **Reporting Units : °F**

QC Batch ID : Qb08103028 **Created Date :** 10/30/08 **Created By :** Sgarcia

Samples in This QC Batch : 08100789.01

QC Type: Duplicate

QC Sample ID: 08100789.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		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
Ignitability	83	85	102	83	86	104	1.17	20	75-125	

Partial Report

Refer to the Definition page for terms.

EPAHO102000646

A & B Labs — *Chain of Custody* — The Chain of Custody is a Legal Document — Page 1 of 1

10100 East Fwy (I-10) Ste. 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 08100789

5. Project #

1. REPORT TO:
Company: CES ENVIRONMENTAL
Address: 4904 GRIGGS ROAD
HOUSTON, TX 77021
Contact: AL LONGORIA
Phone: (713)676-1460
Fax: ☒ (713)676-1676
E-mail: ☒ alongoria@cesenvironmental.com

2. INVOICE TO:
Company: SAME
Address:
Contact:
Phone:
Fax: ☐
E-mail: ☐

3. PO # 1008-03

4. Turnaround Time (Business Days)
☒ 1 Day* ☐ Other
☒ 2 Days*
☐ 3 Days* *Surcharge applies
☐ 7 Days - Standard

6. Project Name/Location: VAM-USA W RICHEY RD. HOUSTON, TX

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): DARIN TAFFINAT / CES ENVIRONMENTAL
Sampler's Signature & Date: 10/29

LAB USE ONLY	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	13.	14. Containers*	15. Preservatives**	16. PH-Lab Only	17. Analyses/Methods: TCLP VI METALS	RCI	18. REMARKS
01A	1008-03 PROCESS SOLIDS				X			X									X	X	

Page 8 of 9

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME	22. KNOWN HAZARDS/COMMENTS
1	10/29	3:08				
2						
3			21. RECEIVED BY LABORATORY	10/29/04	15:08	Temperature: 23.6 °C

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; 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

Intact (Y) or N Initials M.P.

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

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

LAB USE ONLY SAMPLING _____ RENTAL _____ P/U _____

EPAHO10200647

Sample Condition Checklist

Date : **10/30/08**

A&B JobID :	**08100789**	Date Received :	**10/29/2008**	Time Received :	**3:08PM**
Client Name :	**CES Environmental**				
Temperature :	**23.6°C**	Sample pH :	**N/A**		

	Check Points	Yes	No
1.	**Cooler seal present and signed.**	N/A	
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.**	N/A	
7.	**Sample containers arrived intact. (If no comment).**	X	
8.	**Matrix :** **Water** ☐ **Soil** ☐ **Liquid** ☐ **Sludge** ☑ **Solid** ☐ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☐		
9.	**Sample(s) were received in appropriate container(s).**	X	
10.	**Sample(s) were received with proper preservative**		
11.	**All samples were logged or labeled.**	X	
12.	**Sample ID labels match C-O-C ID's**	X	
13.	**Bottle count on C-O-C matches bottles found.**	X	
14.	**Sample volume is sufficient for analyses requested.**	X	
15.	**Samples were received within the hold time.**	X	
16.	**VOA vials completely filled.**	N/A	
17.	**Sample accepted.**	X	

Comments : Include actions taken to resolve discrepancies/problem:

Sample was received without a cooler nor ice. Client is aware of 2 day minimum for TCLP Metals analyses.

Received by : Mperalta

Check in by/date : Mperalta / 10/29/2008

EPAHO102000648

Shawcor Pipe Protection 1076

[Profile # 1076]

OTB2

EPAHO10200649

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **4/18/2007**

Dear **Angela Molis**

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 # 1076

Generator: Shawcor Pipe Protection
Address: 4501 Knapp Road
Pearland, TX 77581

Waste Information

Name of Waste: Non-RCRA, Non-hazardous Waste (GSPU)
TCEQ Waste Code #: 00552191
Container Type: Drum
Detailed Description of Process Generating Waste:
Caradol, 1, 4 Butanediol, R3 & 332 Glass beads are mixed in first line with the Rubinate (Modified MDI) in the second line by itself. Both lines are fed into a mixing tank where MDI is reacted to form a pipe coating. Once the pipe is coated the mixi
Color: Yellow **Odor:** Mild **pH:** 3-10
Physical State: Sludge
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.

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 :	Shawcor Pipe Protection		
Address :	4501 Knapp Road 4501 Knapp Road		
City, State, Zip :	Pearland TX 77581		
Contact :	Angela Molis	**Title :**	HSE Coordinator
Phone No :	(281) 485-8321	**Fax :**	(281) 485-2657
24 / HR Phone :	(281) 485-8321		
U.S EPA I.D No :	TXT490013562		
State I.D :	32925	**SIC Code**	

SECTION 2: Billing Information

Company :	Shawcor Pipe Protection		
Address :	4501 Knapp Road 4501 Knapp Road		
City, State, Zip :	Pearland TX 77581		
Contact :	Angela Molis	**Title :**	
Phone No :	(281) 485-8321	**Fax :**	(281) 485-2657

SECTION 3: General Description of the Waste

Name of Waste : Non-RCRA, Non-hazardous Waste (GSPU)

Detailed Description of Process Generating Waste:

Caradol, 1, 4 Butanediol, R3 & 332 Glass beads are mixed in first line with the Rubinate (Modified MDI) in the second line by itself. Both lines are fed into a mixing tank where the MDI is reacted to form a pipe coating. Once the pipe is coated the mixi

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

Color : Yellow **Odor :** Mild

Specific Gravity (Water=1) : 0.9 - 1.1 **Density :** 8 lbs / gal

Layers : ☐ Single-Phas ☐ Multi-Phase

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

Container Size : 55

Number Of Units : 80

Texas State Waste Code No : 00552191

Proper U.S. State Waste Code No : Non-RCRA, Non-DOT Regulated Waste GSPU

Class : 3 **UN/NA :** 3 **PG :** 3 **RQ :** 3

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	3-10	0 mg/l	0 mg/l	0-75 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
0 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l

Oil&Grease 0mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Caradol	2-10	%
1,4 Butanediol	2-10	%
R3	2-10	%
332 Glass Beads	2-10	%
Rubinate (MDI)	10-20	%
Pur Flush 100 (2 Propanol, 1-Butoxy)	40-80	%

SECTION 5: Safety Related Data

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

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 Sheets, Analysis (BTU, TPH, 11 Metals, RCI)

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: 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: _____ **Date:** 8/3/05

Printed Name/Title: Joah Croix (Plant Manager)

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Matt Born

Date: 8-04-05 (Approved) Rejected

Approval Number: 1176

Additional Information: _____

AUG-02-2005 14:23 CES Environmental Services 713 676 1676 P.03

Received Fax : Aug 02 2005 2:26pm Fax station : Shawcor Pipe Protection P. 3

Aug 03 2005 2:31PM Shawcor Pipe Protection 281-485-2657 p.3

EPAHO102000652

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Caradol	2-10	%
1,4 Butanediol	2-10	%
R3	2-10	%
332 Glass Beads	2-10	%
Rubinate (MDI)	10-20	%
Pur Flush 100 (2 Propanol, 1-Butoxy)	40-80	%

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' and Analytical Data

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 generators knowledge

TCLP Metals : See analytical #50821.01

TCLP Volatilies : TCLP Volatiles are below regulatory limits

TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits

Reactivity : See analytical #50821.01

Corrosivity : See analytical #50821.01

Ignitability : See analytical #50821.01

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 : _____ **Date :** 8/3/2005

Printed Name / Title : Joah Croix / Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Special Pricing / Analytical Info:

Compliance Officer : Matt Bowman

Date : 8/4/2006 **Status :** Approved Rejected

Recommended Treatment:

Approval Number : 1076

EPAHO102000653

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

EPAHO102000654

(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.

EPAHO102000655

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO: 50821.01 1of 1

Customer: **CES Env.** Sample ID: **GSPU** Environ ID: **50821.01**
Project ID: **Shawcor** Sampled: **07-01-05**
Project Loc: **Pearland, TX** Matrix: **Solid** Received: **07-08-05**
Charge/P.O.: Type: Reported: **07-19-05**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
MISCELLANEOUS								
Higher Heating Value (BTU)	15,320	btu/lb	--	100	ASTM D2015	DB	07-13-05	08:30
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	86,574	mg/kg	--	2,500	TCEQ 1005.03	CR	07-14-05	10:49
DRO (Diesel Range)	80,556	mg/kg	--	2,500	TCEQ 1005.03	CR	07-14-05	10:49
ORO (Oil Range)	< 2,500	mg/kg	--	2,500	TCEQ 1005.03	CR	07-14-05	10:49
TOTAL TPH	167,130	mg/kg	--	2,500			07-14-05	10:49
RCI								
Reactive Cyanide	< 20	mg/kg	250	20	SW846.7.3.3	DB	07-12-05	08:00
Reactive Sulfide	< 20	mg/kg	500	20	SW846.7.3.4	DB	07-12-05	08:00
Corrosivity (Ph)	7.44	su	=>2; =<12.5	--	SW846.9045C	MN	07-09-05	05:00
Ignitability	151	°F	> 140	--	SW846.1010	DB	07-13-05	08:00
METALS - TCLP					SW846.1311	MN	07-08-05	
Antimony	< 0.08	mg/l	1.0	0.08	SW846.6010B	DB	07-14-05	10:45
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-14-05	10:45
Barium	2.96	mg/l	100	0.02	SW846.6010B	DB	07-14-05	10:45
Beryllium	< 0.05	mg/l	0.08	0.05	SW846.6010B	DB	07-14-05	10:45
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	07-14-05	10:45
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-14-05	10:45
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	DB	07-14-05	10:45
Nickel	< 0.05	mg/l	70.0	0.05	SW846.6010B	DB	07-14-05	10:45
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	07-14-05	10:45
Silver	< 0.5	mg/l	5.00	0.5	SW846.6010B	DB	07-14-05	10:45
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	07-14-05	07:00

Definitions: REG - Regulatory Limit (User Should Confirm LiTCLP - Toxcisity Charasteric Leaching Procedure
MQL - Method Quantitation Limit su - Standard Units
PPM - Parts Per Million TPH - Total petroleum Hydrocarbons
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller
John Keller, Ph.D
Laboratory Director

EPAHO102000656

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	TPH	METHOD:	TNRCC 1005.3

ANALYST:	dmb	MATRIX:	SOIL	UNITS:	mg/kg	SAMPLES:	10

SAMPLES:	50816-03	50821-01	50827-01	50827-02	50827-03	50827-04	50827-05
	50827-06	50827-07	50832-01				

SAMPLE	MB	CCV	LCS	MS	MSD	MS-MSD	QC LIMITS	
50827-03	mg/kg	REC	REC	REC	REC	RPD	REC	RPD
GRO RESULT	<50	81	62	26	24	7	70 - 130	30
DRO RESULT	<50	106	72	35	34	3	70 - 130	30

John Keller 07-12-05

JOHN KELLER, Ph.D, Lab.Dir./QA-QC Mgr. DATE

KEY:

TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
CCV - Continuing Calibration Verification
MB - Method Blank
LCS - Laboratory Control Sample
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative % Difference
REC - Recovery %

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	DB	DATE:	07.14.05	UNITS:	PPM (mg/l)	NO.SAMPLES:	5

SAMPLES:	50825.01	50821.01	50832.01	50837.01	50837.02			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 50825.01

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	4.58	92	91	1	90	0	75 - 125	20
Barium	0.00	5	4.66	93	92	2	97	0	75 - 125	20
Cadmium	0.00	5	4.58	92	91	1	99	0	75 - 125	20
Chromium	0.00	5	4.62	92	91	1	90	0	75 - 125	20
Lead	0.00	5	4.66	93	92	1	96	0	75 - 125	20
Selenium	0.00	5	4.62	92	92	1	91	0	75 - 125	20
Silver	0.00	5	4.36	87	88	1	107	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: 07.14.05	UNITS: mg/l	NO.SAMPLES: 5

SAMPLES:	50821.01	50825.01	50832.01	50837.01	50837.02			

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	95	5	100	0	1	60 - 120	20

John Keller
JOHN KELLER, Ph.D
Laboratory Director

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

Results To: Dan Bowman	Invoice To: Same
Company: CES	Company:
Address: 4904 Griggs Rd	Address:
City: Houston State: TX Zip: 77021	City: State: Zip:
Phone: 713-676-1460	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) 2°C	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: Shawcor
Project Location: Pearland, TX
Project No:
Sampler (Print): Dan Bowman
Sampler (Sign): Dan 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	BTU	RCT	Remarks & Additional Analyses
	[2] Cntr. Type		G											
	Number		1											
	Volume		160z											
	[3] Preservative		1											
50821.01	1) GSPU	7/1/05 3:00 PM				X					X	X	X	
	2)													
	3)													
	4)													
	5)													
	6)													
	7)													
	8)													
	9)													
	10)													

Relinquished By: Dan Bowman	Company: CES	Date/Time: 7/8/05 3:40 PM	Received By: Ronda Hargrave	Company: EEL
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.

7-19-05;10:32AM;Environ ;2814715821 # 3/ 3

EPAHO102000660

Glass Beads

3M

Material Safety Data Sheet

Copyright, 2001, Minnesota Mining and Manufacturing Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SCOTCHLITE BRAND GLASS BUBBLES, TYPES B, K, L, and S
MANUFACTURER: 3M
DIVISION: 3M Specialty Materials

ADDRESS: 3M Center
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 04/08/2002
Supercedes Date: 12/20/2001

Document Group: 10-4852-9

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
SODA LIME BOROSILICATE GLASS	65997-17-3	97 - 100
AMORPHOUS SILICA	7631-86-9	<3

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Low Density Fine Powder (less than 10 microns)
Odor, Color, Grade: white, odorless
General Physical Form: Solid

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:
Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

Skin Contact:
Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

Inhalation:
Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Prolonged or repeated exposure may cause:

Lung Effects: Signs/symptoms may include difficulty breathing, cough, wheezing, weakness, increased heart rate, bluish colored skin (cyanosis), sputum production and changes in lung function tests.

Ingestion:
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed: Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	*Not Applicable*
Flash Point	*Not Applicable*
Flammable Limits - LEL	*Not Applicable*

EPAHO102000662

Flammable Limits - UEL *Not Applicable*

5.2 EXTINGUISHING MEDIA
Non-combustible. Choose material suitable for surrounding fire. Material will not burn.

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards are anticipated.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Ventilate the area with fresh air. Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting. Sweep up. Clean up residue. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For industrial or professional use only.

7.2 STORAGE
Store away from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS
Conduct air monitoring to determine adequacy of ventilation. Use with appropriate local exhaust ventilation.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection
Avoid eye contact.
The following eye protection(s) are recommended: Safety Glasses with side shields.

8.2.2 Skin Protection

EPAHO102000663

Select and use gloves and/or protective clothing to prevent skin contact based on the results an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.
Gloves made from the following material(s) are recommended: Neoprene, Nitrile Rubber.

8.2.3 Respiratory Protection

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with P95 particulate filters. Consult the current 3M Respiratory Selection Guide for additional information or call 1-800-243-4630 for 3M technical assistance.

8.2.4 Prevention of Swallowing
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
SODA LIME BOROSILICATE GLASS	3M	TWA - as dust	10 mg/m3	
AMORPHOUS SILICA	CMRG	TWA - specific form	3 mg/m3	as respirable dust

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form:	Low Density Fine Powder (less than 10 microns)
Odor, Color, Grade:	white, odorless
General Physical Form:	Solid
Autoignition temperature	*Not Applicable*
Flash Point	*Not Applicable*
Flammable Limits - LEL	*Not Applicable*
Flammable Limits - UEL	*Not Applicable*
Boiling point	*Not Applicable*
Density	0.12 g/ml - 0.63 g/ml
Vapor Density	*Not Applicable*
Vapor Pressure	*Not Applicable*
Specific Gravity	.12 - .63
Melting point	*No Data Available*
Solubility in Water	Slight (less than 10%)
Evaporation rate	*Not Applicable*
Volatile Organic Compounds	*Not Applicable*

EPAHO102000664

Percent volatile	< 0.5 % weight
VOC Less H2O & Exempt Solvents	*Not Applicable*
Viscosity	*Not Applicable*

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: None known

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance	Condition
None known.	Not Specified

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not Determined

CHEMICAL FATE INFORMATION

Not Determined

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Reclaim if feasible. For quantities <100 lbs. (50kg): dispose of waste product in a sanitary landfill. For larger quantities:
Dispose of waste product in a facility permitted to accept chemical waste.

EPA Hazardous Waste Number (RCRA): Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14:TRANSPORT INFORMATION

EPAHO102000665

ID Number(s):
70-0700-7938-2, 70-0701-1952-7, 70-0701-1953-5, 70-0701-8213-7, 70-0701-9409-0, 70-0701-9423-1, 70-0703-2625-4, 70-0703-2736-9, 70-0703-2737-7, 70-0703-2749-2, 70-0703-2791-4, 70-0703-2798-9, 70-0703-2800-3, 70-0703-2815-1, 70-0703-2816-9, 70-0703-2817-7, 70-0703-3031-4, 70-0704-1512-3, 70-0704-1615-4, 70-0704-1616-2, 70-0704-1665-9, 70-0704-2949-6, 70-0704-2950-4, 70-0704-2951-2, 70-0704-2952-0, 70-0704-2953-8, 70-0704-2955-3, 70-0704-2956-1, 70-0704-2957-9, 70-0704-2958-7, 70-0704-2959-5, 70-0704-2961-1, 70-0704-2962-9, 70-0704-2963-7, 70-0704-2964-5, 70-0704-2965-2, 70-0704-2966-0, 70-0704-2967-8, 70-0704-2968-6, 70-0704-2969-4, 70-0704-2970-2, 70-0704-2971-0, 70-0704-5810-7, 70-0704-5811-5, 70-0704-5812-3, 70-0704-5813-1, 70-0704-5814-9, 70-0704-5816-4, 70-0704-5817-2, 70-0704-5818-0, 70-0704-5819-8, 70-0704-5820-6, 70-0704-5822-2, 70-0704-5823-0, 70-0704-5824-8, 70-0704-5825-5, 70-0704-5826-3, 70-0704-5908-9, 70-0704-5929-5, 70-0704-8397-2, 70-0704-8401-2, 70-0704-8402-0, 70-0704-8403-8, 70-0704-8404-6, 70-0704-8405-3, 70-0704-8406-1, 70-0704-8407-9, 70-0704-8408-7, 70-0704-8409-5, 70-0704-8410-3, 70-0704-8538-1, 70-0704-8764-3, 70-0705-2064-1, 70-0705-7728-6, 70-0705-7729-4, 70-0705-7730-2, 70-0705-7731-0, 70-0705-7732-8, 70-0705-7733-6, 70-0705-7734-4, 70-0705-7735-1, 70-0705-7736-9, 70-0705-7864-9, 70-0705-7865-6, 70-0705-7910-0, 70-0705-7938-1, 70-0705-7971-2, 70-0705-7996-9, 70-0706-6017-3, 70-0706-6148-6, 70-0706-6149-4, 70-0707-0601-8, 70-0707-4203-9, 70-0707-4208-8, 70-0707-4394-6, 70-0707-5008-1, 70-0707-5123-8, 75-0299-0523-1, 75-0299-1726-9, 75-5410-0040-4, 98-0212-0414-8, 98-0212-1022-8, 98-0212-1023-6, 98-0212-1024-4, 98-0212-1025-1, 98-0212-1167-1, 98-0212-2725-5, 98-0212-2726-3, 98-0212-2727-1, 98-0212-2743-8, 98-0212-2744-6, 98-0212-2745-3, 98-0212-2771-9, 98-0212-2828-7, 98-0212-2829-5, 98-0212-2830-3, 98-0212-2906-1, 98-0212-2907-9, 98-0212-2956-6, 98-0212-2958-2, 98-0212-2972-3, 98-0212-3037-4, 98-0212-3053-1, 98-0212-3054-9, 98-0212-3055-6, 98-0212-3056-4, 98-0212-3057-2, 98-0212-3060-6, 98-0212-3071-3, 98-0212-3072-1, FS-9000-2140-3, FS-9000-2146-0, FS-9000-2572-7, FS-9000-2590-9, FS-9100-0397-9, FS-9100-0398-7, FS-9100-0410-0, FS-9100-0411-8, FS-9100-0414-2, FS-9100-0415-9, FS-9100-0435-7, FS-9100-0437-3, FS-9100-0441-5, FS-9100-0444-9, FS-9100-0623-8, FS-9100-0700-4, FS-9100-0701-2, FS-9100-0746-7, FS-9100-0805-1, FS-9100-0835-8, FS-9100-0836-6, FS-9100-0837-4, FS-9100-0838-2, FS-9100-0839-0, FS-9100-0840-8, FS-9100-0841-6, FS-9100-0843-2, FS-9100-0846-5, FS-9100-0882-0, FS-9100-1029-7, FS-9100-1463-8, FS-9100-1642-7, FS-9100-1717-7, FS-9100-1743-3, FS-9100-1950-4, FS-9100-2363-9, FS-9100-2364-7, FS-9100-2365-4, FS-9100-2366-2, FS-9100-2398-5, FS-9100-2425-6, FS-9100-2629-3, FS-9100-2707-7, FS-9100-2708-5, FS-9100-2709-3, FS-9100-2710-1, FS-9100-2711-9, FS-9100-2757-2, FS-9100-2888-5, FS-9100-2889-3, FS-9100-2984-2, FS-9100-3019-6, FS-9100-3020-4, FS-9100-3021-2, FS-9100-3085-7, ZF-9100-1831-6

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

Contact 3M for more information.

311/312 Hazard Categories:
Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

STATE REGULATIONS

Contact 3M for more information.

CHEMICAL INVENTORIES

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

EPAHO102000666

Contact 3M for more information.

INTERNATIONAL REGULATIONS

Contact 3M for more information.

ADDITIONAL INFORMATION

This product is an article as defined by TSCA, EINECS, CDSL, MITI, KECI, AICS, PICCS and CICS regulations, and is exempt from chemical inventory listing requirements. Korea and China also require product registration.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification
Health: 1 **Flammability:** 0 **Reactivity:** 0 **Special Hazards:** None

National Fire Protection Agency Hazard Codes are designed for use by firefighters, sheriffs, or other emergency response teams who are concerned with the hazards of burning or exploding materials. These NFPA codes are not intended to address the hazards of this product other than in a fire situation.

HMIS Hazard Classification
Health: 1 **Flammability:** 0 **Reactivity:** 0 **Protection:** X - See PPE section.
HMIS codes are intended for use in everyday workplace settings to provide a rapid indication of the occupational hazards associated with chemicals used in the workplace.

No revision information is available.

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may

EPAHO102000667

have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

3M MSDSs are available at www.3M.com

EPAHO102000668

Flushing Agent

Material Safety Data Sheet

HMIS Ratings	
Health	1
Flammability	1
Reactivity	0
Protection	B

(b) (4)

[redacted]

EPAHO102000669

(b) (4)

[redacted]

(b) (4)

[redacted]

EPAHO102000671

(b) (4)

[redacted]

EPAHO102000672

R3

Hyperlast

SAFETY DATA SHEET

HYPERLAST 7980328 - INTERMEDIATE FOR 7980305

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME HYPERLAST 7980328 - INTERMEDIATE FOR 7980305

PRODUCT NO. 7980328

SUPPLIER Hyperlast Limited,
Station Road, Birch Vale,
High Peak,Derbyshire, SK22 1BR
Great Britain
+44(0)1663-746518
+44(0)1663-742737
+44(0)1663-746605

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1,8-DIAZA-BICYCLO (5,4,0) UNDEC-7-ENE	229-713-7	6674-22-2	1-5%	Xn;R21/22. C;R34. R52/53.
ACETYLACETONE	204-634-0	123-54-6	1-5%	R10 Xn;R22

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. Flush with plenty of water to clean spillage area.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

EPAHO102000673

HYPERLAST 7980328 - INTERMEDIATE FOR 7980305

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES

No particular ventilation requirements.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Yellow		
SOLUBILITY	Slightly soluble in water.		
BOILING POINT (°C)	> 200 760 mm Hg	MELTING POINT (°C)	< 15
RELATIVE DENSITY	1.08 @ 25 °c	FLASH POINT (°C)	> 180 CC (Closed cup).

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon dioxide (CO2). Carbon monoxide (CO).

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

This product has low toxicity. Only large volumes may have adverse impact on human health.

INHALATION

No specific health warnings noted.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Skin irritation is not anticipated when used normally.

EYE CONTACT

May cause temporary eye irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

EPAHO102000674

HYPERLAST 7980328 - INTERMEDIATE FOR 7980305

14 TRANSPORT INFORMATION

ADR CLASS	Not classified for transportation.

15 REGULATORY INFORMATION

RISK PHRASES

NC	Not classified.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
P13	Safety data sheet available for professional user on request.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EEC. Dangerous Preparations Directive 1999/45/EEC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE	28/01/2005
REV. NO./REPL. SDS GENERATED	3
DATE	07/2003

RISK PHRASES IN FULL

R10	Flammable.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EPAHO102000675

G884

1. MATERIAL AND COMPANY IDENTIFICATION

Material Name	:	**CARADOL ET28-07**
Uses	:	Use for the manufacture of polyurethane products.
Product Code	:	U1744
Company	:	**Shell Chemical LP** PO Box 2463 HOUSTON TX 77252-2463 USA
MSDS Request	:	1-800-240-6737
Customer Service	:	1-800-872-7435

Emergency Telephone Number

Chemtrec Domestic (24 hr)	:	1-800-424-9300
Chemtrec International (24 hr)	:	1-703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Polyoxyalkylene Triol	9082-00-2	100.00%

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odour	:	Colourless. Liquid. Odourless.

4. FIRST AID MEASURES

General Information	:	Not expected to be a health hazard when used under normal conditions.
Inhalation	:	Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact	:	Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.
Eye Contact	:	Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.
Ingestion	:	Wash out mouth with water and obtain medical attention.
Advice to Physician	:	Treat symptomatically. Following cases of gross over-exposure, investigation of liver, kidney and eye function may be advisable. Records of such incidents should be maintained for future reference.

5. FIRE FIGHTING MEASURES

EPAHO102000676

Flash point	:	> 200 °C / > 392 °F
Specific Hazards	:	Clear fire area of all non-emergency personnel. Will only burn if enveloped in a pre-existing fire. Hazardous combustion products may include: Carbon dioxide. Unidentified organic and inorganic compounds. Toxic products. Carbon monoxide.
Extinguishing Media	:	Large fires should only be fought by properly trained fire fighters. Dry chemical powder, carbon dioxide or protein based foam. If water has to be used it must only be sprayed in large quantities. Do not discharge extinguishing waters into the aquatic environment. Foam. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable Extinguishing Media	:	Do not use water in a jet.
Protective Equipment for Firefighters	:	Wear full protective clothing and self-contained breathing apparatus.
Additional Advice	:	All storage areas should be provided with adequate fire fighting facilities. Keep adjacent containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

Observe all relevant local and international regulations.

Protective measures	:	Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Avoid inhaling vapour and/or mists. Avoid contact with the skin. Extinguish any naked flames. Do Not smoke. Remove ignition sources. Avoid sparks. Remove all possible sources of ignition in the surrounding area. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Use appropriate containment to avoid environmental contamination. Ventilate contaminated area thoroughly.
Clean Up Methods	:	For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.
Additional Advice	:	Proper disposal should be evaluated based on regulatory status of this material (refer to Section 13), potential contamination from subsequent use and spillage, and regulations governing disposal in the local area. Observe all relevant local regulations.

7. HANDLING AND STORAGE

General Precautions	:	Avoid breathing of or contact with material. Only use in well

EPAHO102000677

ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier.

Handling : In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. Use local exhaust extraction over processing area. Avoid unintentional contact with isocyanates to prevent uncontrolled polymerisation. For lines and fittings, avoid copper, copper alloys, zinc. Avoid contact with skin, eyes, and clothing. Air-dry contaminated clothing in a well-ventilated area before laundering. Extinguish any naked flames. Do Not smoke. Remove ignition sources. Avoid sparks. Do not empty into drains. Handling Temperature: Ambient. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

Storage : A reliable fixed sprinkler/deluge system should be installed. Prevent all contact with water and with moist atmosphere. Tanks must be clean, dry and rust-free. Prevent ingress of water. Must be stored in a diked (bunded) well- ventilated area, away from sunlight, ignition sources and other sources of heat. Nitrogen blanket recommended for large tanks (capacity 100 m3 or higher). Drums should be stacked to a maximum of 3 high. Maximum storage time: 6 months Storage Temperature: Ambient.

Product Transfer : Lines should be purged with nitrogen before and after product transfer. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Keep containers closed when not in use.

Unsuitable Materials : Copper.; Copper alloys.; For containers, or container linings avoid copper, copper alloys, zinc.; For lines and fittings, avoid copper, copper alloys, zinc.

Additional Information : Ensure that all local regulations regarding handling and storage facilities are followed. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

None established.

Additional Information : Wash hands before eating, drinking, smoking and using the toilet. Launder contaminated clothing before re-use.

Exposure Controls : Exhaust emission systems should be designed in accordance

EPAHO102000678

		with local conditions; the air should always be moved away from the source of vapour generation and the person working at this point. Items that cannot be decontaminated should be destroyed (see Chapter 13). Adequate ventilation to control airborne concentrations.
Personal Protective Equipment	:	Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
Respiratory Protection	:	No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material.
Hand Protection	:	Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: Incidental contact/Splash protection: PVC. Neoprene rubber. Nitrile rubber. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Thin disposable gloves should be avoided for long term use. When worn, use once and dispose.
Eye Protection	:	Chemical splash goggles (chemical monogoggles).
Protective Clothing	:	Chemical and cold resistant gloves/gauntlets, boots, and apron.
Environmental Exposure Controls	:	Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colourless Liquid
Odour	:	Odourless
Flash point	:	> 200 °C / > 392 °F
Vapour pressure	:	< 20 hPa at 20 °C / 68 °F
Specific gravity	:	1.02
Water solubility	:	Moderate
Hygroscopicity	:	Hygroscopic.

10. STABILITY AND REACTIVITY

Stability	:	Stable. Hygroscopic. Polymerises exothermically with di-isocyanates at ambient temperatures. The reaction becomes progressively more vigorous and can be violent at higher temperatures if the miscibility of reaction partners is good or is supported by stirring or by the presence of solvents. Reacts with strong oxidising agents.
Conditions to Avoid	:	Heat, flames, and sparks.
Materials to Avoid	:	Avoid contact with isocyanates, copper and copper alloys, zinc, strong oxidizing agents, and water.
Hazardous Decomposition Products	:	Unknown toxic products may be formed.
Hazardous Reactions	:	Hygroscopic.

EPAHO102000679

11. TOXICOLOGICAL INFORMATION

Basis for Assessment	:	Information given is based on product testing, and/or similar products, and/or components.
Acute Oral Toxicity	:	Low toxicity: LD50 >2000 mg/kg , Rat
Acute Dermal Toxicity	:	Expected to be of low toxicity: LD50 >2000 mg/kg , Rat
Acute Inhalation Toxicity	:	Data not available.
Skin Irritation	:	Expected to be non-irritating to skin.
Eye Irritation	:	Expected to be non-irritating to eyes.
Sensitisation	:	Not expected to be a skin sensitiser.

12. ECOLOGICAL INFORMATION

Acute Toxicity	:	
Fish	:	Expected to have low toxicity: LC/EC/IC50 > 1000 mg/l
Aquatic Invertebrates	:	Expected to have low toxicity: LC/EC/IC50 > 1000 mg/l
Algae	:	Expected to have low toxicity: LC/EC/IC50 > 1000 mg/l
Microorganisms	:	Expected to have low toxicity: LC/EC/IC50 > 100 mg/l
Mobility	:	Sinks in fresh water; may float or sink in seawater. If product enters soil, one or more constituents will be highly mobile and may contaminate groundwater.
Persistence/degradability	:	Expected to be not inherently biodegradable.
Bioaccumulation	:	Does not bioaccumulate significantly, MW > 1000.

13. DISPOSAL CONSIDERATIONS

Material Disposal	:	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
Container Disposal	:	Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.
Local Legislation	:	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

14. TRANSPORT INFORMATION

US Department of Transportation Classification (49CFR)
This material is not subject to DOT regulations under 49 CFR Parts 171-180.

IMDG

EPAHO102000680

This material is not classified as dangerous under IMDG regulations.

IATA (Country variations may apply)
This material is not classified as dangerous under IATA regulations.

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material

Federal Regulatory Status

SARA Hazard Categories (311/312)

No SARA 311/312 Hazards.

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

Additional Information	:	*CARADOL is a trademark owned by Shell Trademark Management B.V. and used by companies of the Royal Dutch/Shell group.For further information, contact your local Shell company or agent.
HMIS Rating (Health, Fire, Reactivity)	:	1, 1, 0
NFPA Rating (Health, Fire, Reactivity)	:	0, 1, 0
MSDS Version Number	:	2
MSDS Effective Date	:	06/30/2003
MSDS Revisions	:	A vertical bar (|) in the left margin indicates an amendment from the previous version.
MSDS Regulation	:	The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Uses and Restrictions	:	Advice in this document relates only to product as originally supplied. Other derivative chemicals will have different properties and hazards. Advice should be sought on their safe handling and use.

EPAHO102000681

Use for the manufacture of polyurethane products.

MSDS Distribution : The information in this document should be made available to all who may handle the product

Disclaimer : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.

EPAHO102000682

Material Safety Data Sheet

GSPU

1. Chemical Product and Company Identification

Product name	1,4-BUTANEDIOL
MSDS#	0000001117
Historic MSDS#:	9003
Product Use	Manufacture of chemicals.
Supplier	BP Chemicals Inc. 150 West Warrenville Road Naperville, Illinois 60563-8460 USA
EMERGENCY HEALTH INFORMATION:	1 (800) 447-8735
EMERGENCY SPILL INFORMATION:	1 (800) 424-9300 CHEMTREC (USA)
OTHER PRODUCT INFORMATION	1 (866) 4 BP - MSDS (866-427-6737 Toll Free - North America) email: bpcares@bp.com

2. Composition / information on ingredients

Ingredient Name	CAS #	% by Weight	Exposure Limits
1,4-Butanediol	110-63-4	95-100	Supplier Recommended, 2002. TWA (8 hours) 30ppm.

3. Hazards identification

Physical state	Viscous liquid or Crystalline solid.
Color	Colorless.
Emergency Overview	DANGER! HARMFUL IF SWALLOWED. MAY BE FATAL IF SWALLOWED. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. SLIGHTLY IRRITATING TO THE EYES. MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: kidneys, central nervous system (CNS), Respiratory System. Human deaths have been reported following intentional ingestion of products containing 1,4-Butanediol. Do not ingest. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.
Routes of Entry	Skin contact. Eye contact. Inhalation. Ingestion.
POTENTIAL HEALTH EFFECTS	
Eyes	Slightly irritating to the eyes.
Skin	Contact is not expected to result in irritation. May be absorbed through skin to cause effects similar to ingestion.
Inhalation	No significant health hazards identified. At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility.
Ingestion	Harmful if swallowed. Human deaths have been reported following intentional ingestion of products containing 1,4-Butanediol. May be fatal if swallowed. May cause damage to the following organs: kidneys, central nervous system (CNS), and Respiratory system. If swallowed, causes headaches, dizziness, drowsiness and nausea, and may lead to unconsciousness. See Toxicological Information (section 11)
Medical Conditions Aggravated by Overexposure:	Individuals with preexisting diseases of the nervous system may be at increased risk from exposure to this chemical.

EPAHO102000683

See Toxicological Information (section 11)

4. First-aid measures

Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms appear.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Ingestion	Get medical attention immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Treatment should in general be symptomatic and directed to relieving any effects.
Notes to Physician	There is no specific antidote. Treatment should be directed at control of symptoms and the clinical condition. 1,4-Butanediol is a pharmacologic analogue of gamma-butyrolactone and is metabolized to gamma-hydroxybutyrate. Lower oral doses (less than 2 milliliters) may result in diaphoresis, confusion, agitation, ataxia, and a shallow level of consciousness. Moderate doses (2-5 milliliters) may result in loss of consciousness, lethargy, amnesia, agitation, combativeness, ataxia, and urinary incontinence. Higher doses (greater than 5 milliliters) may result in dysarthria, loss of consciousness, dizziness, vomiting, urinary and/or fecal incontinence, amnesia, respiratory depression and death. The lethal dose in humans is estimated to be 5.4 – 20 milliliters or 0.2 – 0.7 fluid ounces. Chronic abuse may cause physical dependency with severe withdrawal symptoms, including auditory, visual and tactile hallucinations, paranoid delusions, agitation and tremor, when use is discontinued.

5. Fire-fighting measures

Flammability of the Product	May be combustible at high temperature.
Autoignition temperature	355 °C
Flash point	155 °C (OPEN CUP)
Products of Combustion	These products are carbon oxides (CO, CO2) and Tetrahydrofuran.
Unusual fire/explosion hazards	When heated in the presence of sulfuric acid (H2SO4), forms highly flammable tetrahydrofuran. *This material is not explosive as defined by established regulatory criteria.*
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. (Alcohol resistant foam) Do not use water jet.
Protective Clothing (Fire)	*Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.*

6. Accidental release measures

Personal Precautions	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
Environmental Precautions and Clean-up Methods	If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.
Personal Protection in Case of a Large Spill	Chemical splash goggles. Full suit. 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.

7. Handling and storage

Handling	Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store and use away from heat, sparks, open flame, or any other ignition source. Empty containers may contain toxic, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

EPAHO102000684

8. Exposure controls/personal protection

Occupational Exposure Limits

Ingredient Name	Occupational Exposure Limits
1,4-Butanediol	**Supplier Recommended, 2002.** TWA (8 hours): 30 ppm

Control Measures	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.
Hygiene measures	Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Personal Protection	
Eyes	Avoid contact with eyes. Chemical splash goggles.
Skin and Body	Do not get on skin or clothing. Wear clothing and footwear that cannot be penetrated by chemicals or oil.
Respiratory	Use only with adequate ventilation. Do not breathe vapor or mist. If ventilation is inadequate, use respirator that will protect against organic vapor and dust/mist.
Hands	Wear gloves that cannot be penetrated by chemicals or oil. (PVC or Neoprene gloves.) The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions. Consult your supervisor or S.O.P. for special handling directions

Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

Physical state	Viscous liquid or Crystalline solid
Odor	Slight Odor
Color	Colorless.
Boiling Point / range	228 °C
Melting Point / range	20 °C
Specific Gravity	1.0171
Vapor Pressure	<1 mmHg at 20°C
Vapor Density (Air = 1)	3.2
Solubility	Easily soluble in cold water.
Dispersion Properties	See solubility in water.
Viscosity	Dynamic: 84.9 cP at 20°C

10. Stability and reactivity

Stability and Reactivity	The product is stable.
Conditions to avoid	Avoid inhalation of vapors and spray mist. Avoid all possible sources of ignition (spark or flame).
Incompatibility with Various Substances	Reactive with oxidizing agents.
Hazardous Decomposition Products	Products of Combustion: carbon oxides (CO, CO2) and Tetrahydrofuran.
Hazardous Polymerization	Will not occur.

EPAHO102000685

11. Toxicological information

Acute toxicity

Ingredient Name	Test	Result	Route	Species
1,4-Butanediol	LD50	1525 mg/kg	Oral	Rat
	LCLo	15 mg/l (4 hours)	Inhalation	Rat

Chronic toxicity

Carcinogenic Effects No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).

Mutagenic Effects No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.

Reproductive Effects No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a reproductive toxin.

Teratogenic effects No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

There is experimental evidence that this chemical may cause toxicity to the developing fetus at maternally toxic doses.

Other chronic toxicity data Repeated or prolonged exposure to the substance can produce nervous system damage.

Other information May be fatal if swallowed. The lethal dose in humans is estimated to be 5.4 – 20 grams. Individuals with preexisting diseases of the nervous system may be at increased risk from exposure to thi chemical.

12. Ecological information

Ecotoxicity >5 mg/l [LC50], 24 hours [Fish].
>500 mg/l [EC50], 48 hours [Daphnia].

Persistence/degradability This product is readily biodegradable.

Mobility The product will dissolve rapidly in water. The product will infiltrate soil and contaminate water. This product is not likely to partition to organic material in the environment because its Log (Kow) is: <1. This product is not likely to volatize rapidly into the air because of its low vapor pressure.

Bioaccumulative potential This product shows a low bioaccumulation potential.

13. Disposal considerations

Waste Information Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if state or federal regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards. Labels should not be removed from containers until they have been cleaned. Do not incinerate closed containers.

Consult your local or regional authorities.

14. Transport information

Not classified as hazardous for transport (DOT, TDG, UN , IMO, IATA/ICAO).

15. Regulatory information

U.S. Federal Regulations US INVENTORY (TSCA): Listed on inventory.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.
SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370):1,4-Butanediol: Immediate (Acute) Health Hazard

SARA 313 toxic chemical notification and release reporting: No products were found.

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This material is not regulated under CERCLA Sections 103 and 107.

EPAHO102000686

State Regulations	1,4-Butanediol is regulated in some states as a controlled substance and may be subject to other special regulation. Contact your local/state authorities to determine if this substance is regulated under their jurisdiction. California prop. 65: No products were found.
Inventories	AUSTRALIAN INVENTORY (AICS): Listed on inventory. CANADA INVENTORY (DSL): Listed on inventory. CHINA INVENTORY (IECS): Listed on inventory. EC INVENTORY (EINECS): In compliance. JAPAN INVENTORY (ENCS): Listed on inventory. KOREA INVENTORY (ECL): Listed on inventory. PHILIPPINE INVENTORY (PICCS): Listed on inventory.

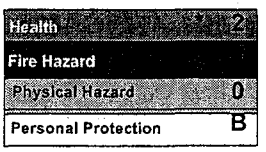
16. Other information

Label Requirements

DANGER!

HARMFUL IF SWALLOWED.
MAY BE FATAL IF SWALLOWED.
MAY BE HARMFUL IF ABSORBED THROUGH SKIN.
SLIGHTLY IRRITATING TO THE EYES.
MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: kidneys, central nervous system (CNS), Respiratory System.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)

HISTORY

Date of issue	09/12/2002.
Date of Previous Issue	09/12/2002.
Prepared by	Product Stewardship

Notice to Reader

NOTICE : This Material Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product.

GSPU

New @ 2/4/04
Rubinate

HUNTSMAN
Polyurethanes

Material Safety Data Sheet

Validated by newhodm on 4/10/2003.

Section 1. Chemical Product and Company Identification

Product name **RUBINATE® 2427** MSDS#8303

Huntsman Polyurethanes (an international business unit of Huntsman International LLC.)

286 Mantua Grove Rd.
West Deptford, NJ 08066-1723

For Polyurethanes product information/assistance:
West Deptford: (800)257-5547
Auburn Hills: (800)553-8624
Canadian Office: (905)678-9150

In Case of Emergency

Spills Leaks Fire or Exposure Call Chemtrec: (800) 424-9300
Medical Emergency Information: (800) 328-8501

Section 2. Composition, Information on Ingredients

Hazardous ingredients

	%	CAS#
4,4'-Diphenylmethane-Diisocyanate	40-70	101-68-8
Modified MDI	10-30	Not Disclosed

* Occupational Exposure Limit(s), if available, are listed in section 8

Section 3. Hazards Identification

This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical State and Appearance Liquid.

Color Yellow. (Light.)

Emergency Overview Reacts slowly with water to produce carbon dioxide which may rupture closed containers. This reaction accelerates at higher temperatures.

Inhalation at levels above the occupational exposure limit could cause respiratory sensitization and risk of serious damage to respiratory system. The onset of the respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response to even minimal concentrations of diisocyanates may develop in sensitized persons.

Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant).

Skin Hazardous in case of skin contact (irritant,sensitizer). Skin inflammation is characterized by itching, scaling or reddening.

Inhalation Hazardous in case of inhalation (lung irritant,lung sensitizer).

Ingestion Slightly hazardous in case of ingestion.

Medical Conditions Aggravated by Overexposure: May cause or aggravate dermititis and asthma.

GENERAL INFORMATION Read the entire MSDS for a more thorough evaluation of the hazards.

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Skin Contact	Remove contaminated clothing. After contact with skin, wash immediately with plenty of warm soapy water. If symptoms develop, obtain medical attention. Contaminated clothing should be thoroughly cleaned. An MDI study has demonstrated that a polyglycol-based skin cleanser or corn oil may be more effective than soap and water.
Inhalation	Remove patient from exposure, keep warm and at rest. Obtain immediate medical attention. Treatment is symptomatic for primary irritation or bronchospasm. If breathing is labored, oxygen should be given by administered by qualified personnel. Apply artificial respiration if breathing has ceased or shows signs of failing.
Ingestion	Do not induce vomiting. Provided the patient is conscious, wash out mouth with water. Obtain immediate medical attention.
Notes to Physician	Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

Section 5. Fire Fighting Measures

Autoignition Temperature	>600 °C
Flash Points	OPEN CUP: >210°C (410°F) (Cleveland.)
Flammable Limits	Not available.
Products of Combustion	Carbon Monoxide, Carbon Dioxide,Nitrous Oxide and HCN.
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames, sparks and static discharge or combustible materials
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)	Splash goggles. Full suit. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

Special Remarks on Fire Hazards Reacts slowly with water to produce carbon dioxide which may rupture closed containers. This reaction accelerates at higher temperatures.

Section 6. Accidental Release Measures

For major spills call Chemtrec (800-424-9300).

Small Spill and Leak Clean-up should only be performed by trained personnel. People dealing with major spillages should wear full protective clothing including appropriate respiratory protection. Evacuate the area. Prevent further leakage, spillage or entry into drains.

Large Spill and Leak Contain and absorb large spillages onto an inert, non-flammable adsorbent carrier (such as earth or sand). Shovel into open-top drums or plastic bags for further decontamination, if necessary. Wash the spillage area clean with liquid decontaminant. Test atmosphere for MDI. Neutralize small spillages with decontaminant. Remove and properly dispose of residues. (See Section 13 for disposal considerations.) Notify applicable government authorities if release is reportable. The CERCLA RQ for 4,4-MDI is 5,000 lbs (see CERCLA in Section 15).

Decontaminant Preparation of Decontamination Solution: Prepare a decontamination solution of 0.2-0.5% liquid detergent and 3-8% concentrated ammonium hydroxide in water (5-10% sodium carbonate may be substituted for the ammonium hydroxide). Follow the precautions on the supplier's material safety data sheets when preparing and using solution. Use of Decontamination Solution: Allow deactivated material to stand for at least 30 minutes before shoveling into drums. Do not tighten the bungs. Mixing with wet earth is also effective, but slower.

Section 7. Handling and Storage

Handling Avoid personal contact with the product or reaction mixture. Use only with adequate ventilation to ensure that the occupational exposure limit is not exceeded. The efficiency of the ventilation system must be monitored regularly because of the possibility of blockage. Avoid breathing aerosols, mists and vapors. (See Section 8--Exposure Control for details.)

Storage Keep containers properly sealed and when stored indoors, in a well ventilated area. Keep contents away from moisture. Due to reaction with water, producing CO2-gas, a hazardous build-up of pressure could result if contaminated containers are re-sealed. Do not reseal contaminated containers. Uncontaminated containers, free of moisture, may be resealed only after placing under a nitrogen blanket. Do not store in containers made of copper, copper alloys or galvanized surfaces.

Ideal storage temperature is 16-38°C (60-100°F).

Keep stocks of decontaminant (See Section 6) readily available.

Section 8. Exposure Controls, Personal Protection

Preventive Measures Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

Engineering Controls Use local exhaust ventilation to maintain airborne concentrations below the TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it. For guidance on engineering control measures refer to publications such as the ACGIH current edition of 'Industrial Ventilation, a manual of Recommended Practice.'

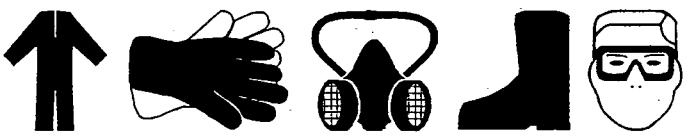
Personal Protection

Eyes Chemical safety goggles. If there is a potential for splashing, use a full face shield.

Body and Hands The following protective materials are recommended: Gloves - neoprene, nitrile rubber, butyl rubber. Thin latex disposable gloves should be avoided for repeated or long term use. Protective clothing should be selected and used in accordance with 'Guidelines for the Selection of Chemical Protective Clothing' published by ACGIH.

Respiratory When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied-air respirator may be required. Air purifying respirators equipped with organic vapor cartridges and a HEPA (P100) particulate filter may be used under certain conditions when a cartridge change-out schedule has been developed in accordance with the OSHA respiratory protection standard (29 C.F.R. 1910.134).

Protective Clothing (Pictograms)



Personal Protection in Case of a Large Spill Splash goggles. Full suit. Vapor respirator or a self-contained breathing apparatus. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name

4,4-Diphenylmethane Diisocyanate

Exposure Limits

ACGIH TLV	0.05 mg/m3 (8-hour,40 hours/week)
OSHA PEL Ceiling Limit	0.20 mg/m3
NIOSH REL/TWA	0.05 mg/m3 (10-hour,40 hours/week)
NIOSH REL/CEILING	0.20 mg/m3 (10-minute)

Exposure controls/personal protection Medical supervision of all employees who handle or come in contact with respiratory sensitizers is recommended. Persons with respiratory problems including asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or skin allergies should be evaluated for their suitability of working with this product. Once a person is diagnosed as sensitized, no further exposure to the material that caused the sensitization should be permitted.The Occupational Exposure limits do not apply to previously sensitised individuals.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Odor	slightly musty
Color	Yellow. (Light.)
pH	Not applicable.
Boiling/Condensation Point	>300 °C decomposes
Melting/Freezing Point	Not available.
Specific Gravity	1.2 (Water = 1)
Vapor Pressure	0.000004 mmHg
Vapor Density	8.5

Evaporation Rate	Not available.
Flash Points	OPEN CUP: >210°C (410°F) (Cleveland.)

Section 10. Stability and Reactivity

Stability and Reactivity	Stable at room temperature.
Conditions of Instability	Avoid high temperatures. Avoid freezing.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Carbon Monoxide, Carbon Dioxide,Nitrous Oxide and HCN.
Hazardous Polymerization	Polymerization may occur at elevated temperatures in the presence of alkalies, tertiary amines and metal compounds.

Section 11. Toxicological Information

Toxicity to Animals	LD50 Rat Oral: >5000 mg/kg LD50 Rabbit Dermal: >5000 mg/kg
Inhalation	This product is a respiratory irritant and potential respiratory sensitizer. Repeated inhalation of vapor or aerosol at levels above the occupational exposure limit could cause respiratory sensitization. Symptoms may include irritation to the eyes, nose, throat, and lungs, possibly combined with dryness of the throat, tightness of chest and difficulty in breathing. The onset of the respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response to even minimal concentrations of MDI may develop in sensitized persons.
Skin Contact	Moderate irritant. Repeated and/or prolonged contact may cause skin sensitization. There is limited evidence from animal studies that skin contact may play a role in respiratory sensitization. These results emphasize the need for protective clothing including gloves to be worn at all times when handling these chemicals or in maintenance work.
Eye Contact	The vapor, aerosol, and liquid are irritant.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract. Based on the acute oral LD50 this product is considered practically non-toxic by ingestion.
Carcinogenic Effects	The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.
Mutagenic Effects	There is no substantial evidence of mutagenic potential.
Reproductive Effects	No adverse reproductive effects are anticipated.
Teratogenic effects	No birth defects were seen in two independent animal (rat) studies. Fetotoxicity was observed at doses that were extremely toxic (including lethal) to the mother. Fetotoxicity was not observed at doses that were not maternally toxic. The doses used in these studies were maximal respirable concentrations well in excess of the defined occupational limits.

Remark

A study was conducted where groups of rats were exposed for 6 hours/day, 5 days/week for a lifetime to atmospheres of respirable polymeric MDI aerosol at concentrations of 0, 0.2, 1 or 6 mg/m3. No adverse effects were observed at 0.2 mg/m3. At the 1 mg/m3 concentration, minimal nasal and lung irritant effects were seen. Only at the top concentration (6.0 mg/m3) was there an increased incidence of a benign tumor of the lung (adenoma). One malignant pulmonary tumor (adenocarcinoma) was seen in the 6.0 mg/m3 group. MDI adminsistration to rats in this study did not change the distribution and incidence of tumors from those seen in control animals. The increased incidence of lung tumors is associated with prolonged respiratory irritation and the concurrent accumulation of yellow material in the lung. In the absence of prolonged exposure to high concentrations leading to chronic irritation and lung damage, it is highly unlikely that tumor formation will occur. (MDI)

There are reports that chronic exposure to diisocyanates by inhalation may result in permanent decreases in lung function.

Section 12. Ecological Information

Ecotoxicity

Polymeric MDI. LC50 (Zebra Fish) > 1000 mg/l . EC50 (Daphnia magna) (24 hour) > 1000 mg/l EC50 (E. Coli) > 100 mg/l

Environmental Fate and Distribution

It is unlikely that significant environmental exposure in the air or water will arise based on consideration of the production and use of the substance.

Persistence and Degradation

Immiscible with water, but will react with water to produce inert and non-biodegradable solids.

Section 13. Disposal Considerations

Waste Information

The generation of waste should be avoided or minimized wherever possible.

Disposal should be in accordance with local, state, provincial or national regulations. This material is not a hazardous waste under RCRA 40 CFR 261. Small quantities should be treated with a decontaminant solution (See Section 6). The treated waste is not a hazardous material under RCRA 40 CFR 261. Chemical waste, even small quantities, should never be poured down drains, sewers or waterways.

Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.

Section 14. Transport Information

Transportation Emergency Number 1-800-424-9300 (CHEMTREC).

DOT Classification

Single containers less than 5,000 lbs. are not regulated. Single containers with 5,000 lbs. or more of 4,4'-Methylene Diphenyl Diisocyanate are regulated as: Other Regulated Substances, Liquid, N.O.S. (Methylene Diphenyl Diisocyanate), 9, NA3082, PGIII, RQ.

TDG Classification

Not regulated.

IMO/IMDG Classification

Not regulated.

ICAO/IATA Classification

Not regulated.

Section 15. Regulatory Information

U.S. Federal Regulations

This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

HCS Classification Class: Toxic.
Class: Irritating substance.
Class: Sensitizing substance.

TSCA 8(b) inventory:All Ingredients Listed.

EPCRA Section 313 (40 CFR 372)
Diisocyanate Compounds (Category Code N120) 60%

EPCRA Section 313 (40 CFR 372) CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): 4,4-Methylene diphenyl diisocyanate (CAS 101-68-8) has a 5,000 lb. RQ (reportable quantity). Any spill or release above the RQ must be reported to the National Response Center (800-424-8802). This product does not contain nor is it manufactured with ozone depleting substances.

State Regulations California prop. 65: No ingredients listed.

Canadian Regulations

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this MSDS (Material Safety Data Sheet) contains all the information required by the CPR.

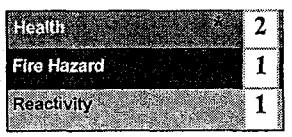
WHMIS (Canada) Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
Class D-2A: Material causing other toxic effects (VERY TOXIC).
Class D-2B: Material causing other toxic effects (TOXIC).

CEPA DSL/NDSL:All Ingredients Listed.

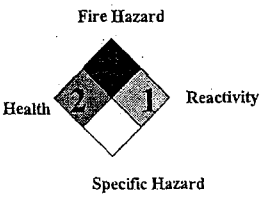
Section 16. Other Information

CAUSES DAMAGE TO THE FOLLOWING ORGANS: LUNGS, RESPIRATORY TRACT, SKIN, EYES. MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



Trademarks: RUBINATE® is a registered trademark of Huntsman International LLC in one or more countries, but not all countries.

Notice to Reader

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity, and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

Verified by newhodm.

Printed 4/10/2003.

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1076

Generator: Shawcor Pipe Protection
Address: 4501 Knapp Rd
Name of Waste: Non RCRA Non Hazardous Waste Liquids
TCEQ Waste Code Number: 8055219I

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: YELLOW
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): ____
- Odor: MILD
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 13661
Waste Manifest Number: 3041048
Date of Shipment: 8-19-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 4

Analyst/Sampler: [signature] Date: ____

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1076

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND TX 77581
Name of Waste: GSPU WASTE
TCEQ Waste Code Number: 0055191

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: YELLO
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): ____
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14027
Waste Manifest Number: 3946419
Date of Shipment: 9-6-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 84

Analyst/Sampler: [signature] Date: 9-6-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1076

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND, TX 77581
Name of Waste: GSPU WASTE
TCEQ Waste Code Number: 00552191

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: YELLOW
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14409
Waste Manifest Number: 3746608
Date of Shipment: 9-21-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 92

Analyst/Sampler: [signature] Date: 9-21-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1076

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND, TX 77581
Name of Waste: GSPU WAST
TCEQ Waste Code Number: 00552191

Incompatibilities: OKIOFFES
Safety Related Data/Special Handling: STANARD PPE

Waste Sample Data

- Color of Sample: Yellow
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 0783
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14554
Waste Manifest Number: 3946653
Date of Shipment: 9-30-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 76

Analyst/Sampler: [signature] Date: 9-30-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1076

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND, TX 77581
Name of Waste: GSP WASTE
TCEQ Waste Code Number: 00552191

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: yellow
- Physical Appearance
  Liquid _____ Solid _____
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB2
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14815
Waste Manifest Number: 3946908
Date of Shipment: 10/11/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 92

Analyst/Sampler: Ken A Patterson Date: 10/4/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1076

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND TX 77581
Name of Waste: GSPU WASTE
TCEQ Waste Code Number: 00552171

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: yellow
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB2
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15127
Waste Manifest Number: 3947067
Date of Shipment: 10/21/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 92

Analyst/Sampler: Ron Patillo Date: 10/21/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1076

Generator: Shawcor Pipe Protection
Address: 4501 Knapp Rd
Name of Waste: Non RCRA, Non Haz (GSPU)
TCEQ Waste Code Number: 00552191

Incompatibilities: Oxidizers
Safety Related Data/Special Handling: Standard PPE

Waste Sample Data

- Color of Sample: Yellow
- Physical Appearance
  Liquid_____ Solid X
  Multiphase Liquid_____ Solid X Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: Mild
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-2
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16076
Waste Manifest Number: 3947583
Date of Shipment: 11/23/05
Container Type (i.e. drum, tote, etc.): Drum
Quantity: 57

Analyst/Sampler: _____ Date: 11/23/05

DB

Fax: 281·485·2657

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 #: **1076**

Customer: **Shawcor Pipe Protection**

Waste Generator: **Shawcor Pipe Protection**

Waste Stream Name: **Non-RCRA, Non-hazardous Waste (GSPU)**

Expiration Date: **8/4/2007**

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.

Shawcor Pipe Protection
Customer Name

Angela Mellis
Signature

HSE Coordinator
Title

Bredero Shaw
Company

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-1076**

Customer: **Shawcor Pipe Protection** ✓

Waste Generator: **Shawcor Pipe Protection**

Waste Stream Name: **Non-RCRA, Non-hazardous Waste (GSPU)**

Expiration Date: **7/14/2011**

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.

☒ MSDS's 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

RICHARD CHEATHEAM
Customer Name

Richard Cheatheam
Signature

SHAWCOR PIPE PROTECTION, HSE SUPERVISOR
Company / Title

7/14/09
Date

Smith International 1125
Profile # 1125

EPAHO102000705

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/8/2005**

Dear **Bill Swain**

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 # 1125

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

To be sent to BFI only

Waste Information

Name of Waste: TPH Contaminated Absorbent
TCEQ Waste Code #: 00044891
Container Type: Drum
Detailed Description of Process Generating Waste:
Clean up of oil spills
Color: Black/Grey/Brown **Odor:** Oil Like **pH:** Neutral
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Smith International, Inc		
Address:	16740 Hardy Street		
City, State, Zip:	Houston, TX 77032		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601
24/hr Phone:	281-443-3370		
U.S. EPA I.D. No:	TXD000729426		
State I.D.	30682	**SIC Code:**	3533; 1389

SECTION 2: Billing Information – ☐ Same as Above

Company:	Smith International, Inc		
Address:	P.O. Box 60068		
City, State, Zip:	Houston, TX 77205		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601

SECTION 3: General Description of the Waste

Name of Waste: TPH Contaminated Absorbent
Detailed Description of Process Generating Waste: Clean up of oil spills

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

Color: Black/Grey/brown **Odor:** Oil Like

Specific Gravity (water=1): 1.5 **Density:** 12 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: 00044891
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
>200	neutral	0mg/l	0mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	0mg/l	0mg/l	0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Clay Absorbent	80-100	%
Rags, booms and pads	50-100	%
Oil	5-20	%
Plant Trash such as wood, cans, paper etc	0-10	%

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

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: Bill Swain **Date:** 9-7-05

Printed Name/Title: Bill Swain / Environmental Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rabbahan Thangua

Date: 9-8-05 Approved Rejected

Approval Number: R 1125

Additional Information: To be sent to BFI only

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) 676-1676

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL RAGS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-OTB-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14205
Waste Manifest Number: 394650
Date of Shipment: 9-13-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 12

Analyst/Sampler: Lew A Little Date: 9-13-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: TPH CONTAMINATED ABSORBANTS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): ____
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-OTB-OFR
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14355
Waste Manifest Number: 3946585
Date of Shipment: 9-21-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 22

Analyst/Sampler: [signature] Date: 9-21-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: TPH CONTAMINATE ABSORBANTS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDERSS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOS
- Physical Appearance
  Liquid_____ Solid X
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): NA
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-OTR-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14500
Waste Manifest Number: 3946636
Date of Shipment: 9-28-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 15

Analyst/Sampler: [signature] Date: 9-28-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: OIL RAGS + ABSORBANTS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-OTB-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14739
Waste Manifest Number: 3946895
Date of Shipment: 10/11/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 1

Analyst/Sampler: [signature] Date: 10/11/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL RAGS & ABSORBANTS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-OTB- OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15033
Waste Manifest Number: 3947000
Date of Shipment: 10/18/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 7

Analyst/Sampler: [signature] Date: 10/18/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL RAGS + ABSORBANTS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-OTB-OFR
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15233
Waste Manifest Number: 394 7248
Date of Shipment: 10/26/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 11

Analyst/Sampler: [signature] Date: 10/26/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL RAGS
TCEQ Waste Code Number: 0004489I

Incompatibilities: OXIDIERS
Safety Related Data/Special Handling: LEVELD

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-OTB-OFR
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 153175
Waste Manifest Number: 3947309
Date of Shipment: 11-01-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 10

Analyst/Sampler: Ben A Portillo Date: 11/01/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL RAGS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): B-07B-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15625
Waste Manifest Number: 3947392
Date of Shipment: 11-9-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 8

Analyst/Sampler: [signature] Date: 11-9-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY / BROWN
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): N/A
  Bulk tank assigned: N/A

Shipment Information

Job Confirmation Number: 15827
Waste Manifest Number: 3947456
Date of Shipment: 11/15/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 8

Analyst/Sampler: _____ Date: 11/16/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY RAGS, ABSORBENTS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid_____ Solid X
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: N/A
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15980
Waste Manifest Number: 000044891
Date of Shipment: 11/18/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 13

Analyst/Sampler: [signature] Date: 11/18/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY RAGS, ABSORBENTS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16051
Waste Manifest Number: 3947573
Date of Shipment: 11/22/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 05

Analyst/Sampler: [signature] Date: 11/22/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY RAGS, ABSORBENTS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16182
Waste Manifest Number: 3956468
Date of Shipment: 11/29/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 5

Analyst/Sampler: _____ Date: 11/29/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: TPH CONTAMINATED ABSORBENT
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK / GRAY / BROWN
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFF
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16358
Waste Manifest Number: 3956561
Date of Shipment: 12/06/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 04

Analyst/Sampler: [signature] Date: 12/06/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY RAGS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16553
Waste Manifest Number: 3956642
Date of Shipment: 12/13/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 04

Analyst/Sampler: [signature] Date: 12/13/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTL'
Address: 16740 HARDY STREET
Name of Waste: OILY RAGS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY / WHITE
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16795
Waste Manifest Number: 3956815
Date of Shipment: 12/20/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 06

Analyst/Sampler: [signature] Date: 12/20/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1125

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY RAGS
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY / WHITE
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16915
Waste Manifest Number: 3956869
Date of Shipment: 12/27/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 11

Analyst/Sampler: MCA Date: 12/27/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #:_____

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY RAGS, ABSORBENT
TCEQ Waste Code Number: 00044891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid_____ Solid X
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list):_____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 17091
Waste Manifest Number: 3956984
Date of Shipment: 01/03/06
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 07

Analyst/Sampler: _____ Date: 01/03/06

Bill Swain
281.233.5601

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1125**

Waste Generator: **Smith International**

Waste Stream Name: **TPH Contaminted Absorbent**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

S...
Company

EPAHO102000728

Bill Swain
281.233.5001

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1125**

Waste Generator: **Smith International**

Waste Stream Name: **TPH Contaminted Absorbent**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

S...
Company

EPAHO102000729

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 #: **1125**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **TPH Contaminated Absorbent**

Expiration Date: **9/8/2008**

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

Tyra Garcia
Customer Name

Signature

Smith International Inc. Facility Mgt Spec.
Company / Title

09/08/08
Date

✓

Smith International 1126
Profile # 1126

EPAHO102000731

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/8/2005**

Dear **Bill Swain**

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 # 1126

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

To be sent to BFI only

Waste Information

Name of Waste: Blasting Grit
TCEQ Waste Code #: 00463891
Container Type: Drum
Detailed Description of Process Generating Waste:
Preparation of metal surfaces
Color: Black/Grey/Brown **Odor:** None **pH:** Neutral
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Smith International, Inc		
Address:	16740 Hardy Street		
City, State, Zip:	Houston, TX 77032		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601
24/hr Phone:	281-443-3370		
U.S. EPA I.D. No:	TXD000729426		
State I.D.	30682	**SIC Code:**	3533; 1389

SECTION 2: Billing Information – ☐ Same as Above

Company:	Smith International, Inc		
Address:	P.O. Box 60068		
City, State, Zip:	Houston, TX 77205		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601

SECTION 3: General Description of the Waste

Name of Waste: Blasting Grit ✓
Detailed Description of Process Generating Waste: Preparation of Metal Surfaces

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

Color: Black/Grey/brown **Odor:** none

Specific Gravity (water=1): 1.5 **Density:** 12 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: 00463891 ✓
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
>200	neutral	0mg/l	0mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
<1500mg/l	<1500mg/l	0mg/l	0mg/l	0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Sand Blast Media	50-100	%
Steel Shot Media	50-100	%
Metal Fines	5-20	%
Grinding Rocks	0-80	%

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

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: 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: Bill Swain **Date:** 9-7-05

Printed Name/Title: Bill Swain / Environmental Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Thagard

Date: 9-8-05 (Approved) Rejected

Approval Number: 1126

Additional Information: To be sent to BFI only

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.

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: (281) 676-1676

Attn: **Sean Easton**

- CERTIFICATE OF RESULTS -

MES Lab#: 5081214
Client Sample ID: Blast Grit
Extended ID: Smith Int'l

Sample Collect Date: 8/31/2005 @ 11:00:00 AM
Sample Receipt Date: 8/31/2005 @ 2:45:00 PM
Sample Type: Grab

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: DCW Date / Time	
Arsenic	0.014	5	< 0.014	mg/L	9/2/2005 /	4:31 PM
Barium	0.0005	100	**2.24**	**mg/L**	9/2/2005 /	4:31 PM
Cadmium	0.002	1	**0.008**	**mg/L**	9/2/2005 /	4:31 PM
Chromium	0.002	5	**0.038**	**mg/L**	9/2/2005 /	4:31 PM
Lead	0.005	5	< 0.005	mg/L	9/2/2005 /	4:31 PM
Selenium	0.024	1	**0.103**	**mg/L**	9/2/2005 /	4:31 PM
Silver	0.002	5	**0.007**	**mg/L**	9/2/2005 /	4:31 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: DCW Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	9/2/2005 /	6:00 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Wednesday, September 07, 2005
Date

EPAHO102000737

5081213 - 5081214

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC
Antimony	< 0.005	100.6	105.1	4.37	< 0.005	104.7
Arsenic	< 0.002	101.0	99.2	1.80	< 0.002	99.0
Barium	< 0.0002	108.0	103.9	3.87	< 0.0002	98.3
Beryllium	< 0.0002	101.9	101.6	0.34	< 0.0002	102.5
Cadmium	< 0.001	104.3	106.5	2.14	< 0.001	99.4
Chromium	< 0.001	108.0	106.0	1.82	< 0.001	101.7
Lead	< 0.002	104.7	104.0	0.70	< 0.002	97.0
Mercury	< 0.0002	89.0	89.5	0.56	< 0.0002	98.9
Nickel	< 0.001	98.5	103.5	4.95	< 0.001	103.0
Selenium	< 0.024	82.3	77.4	6.11	< 0.024	100.9
Silver	< 0.001	109.4	105.4	3.72	< 0.001	102.2

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	STD %REC
Benzene		< 0.005	90.8	91.0	0.22	89.6
Toluene		< 0.005	100.0	101.0	1.00	98.9
Ethylbenzene		< 0.005	99.8	104.0	4.12	99.7
m+p Xylene		< 0.005	102.0	112.0	9.35	110.3
o-Xylene		< 0.005	97.3	108.0	10.42	103.2

SURROGATE SPIKE RECOVERY FOR BTEX	% REC
4-Bromofluorobenzene	97.6

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
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature: _____ September 7, 2005
Holland D. Gilmore / Laboratory Director

EPAHO102000738

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 Service
COMPANY ADDRESS: 4904 Griggs Rd.
CITY Houston STATE TX ZIP 77021
CONTACT PERSON'S NAME: Gary Brauchman
CONTACT PERSON'S PHONE: 713-417-5737 FAX #: 713-417-1676

2

YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
Smith Int'l	VBC Gary	Smith Int'l

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP metals (11)	BTEX	TCLP metals (8)					NUMBER OF CONTAINERS	PRESERVATIONS	REMARKS
Soap water		8-31-05	10:25	Liq	✓	✓								
Blast Grit		8-31-05	11:00	Solid			✓							
														on ice 8°C

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.

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
a. Gary Brauchman b. [signature]	[signature]	8-31-05	2:45	Mandy Dau

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 Dau	8/31	1445

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 Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: BLASTING GRIT
TCEQ Waste Code Number: 00463891

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEAD

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 1420
Waste Manifest Number: 394650
Date of Shipment: 9-13-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 7

Analyst/Sampler: [signature] Date: 9-13-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: BLASTING GRIT
TCEQ Waste Code Number: 00463891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): NA
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14355
Waste Manifest Number: 3946585
Date of Shipment: 9-21-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 6

Analyst/Sampler: [signature] Date: 9-21-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: BLASTING GRIT
TCEQ Waste Code Number: 00463891

Incompatibilities: OXIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 07B1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14500
Waste Manifest Number: 3946636
Date of Shipment: 9-28-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: ____

Analyst/Sampler: [signature] Date: 9-28-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: SANDBLASTIN GRIT
TCEQ Waste Code Number: 00463891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 07B1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14739
Waste Manifest Number: 3946895
Date of Shipment: 10/11/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 2

Analyst/Sampler: [signature] Date: 10/11/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: SAND BLAST GRIT
TCEQ Waste Code Number: 00463891

Incompatibilities: OXIDIERS
Safety Related Data/Special Handling: LEVELD

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): NA
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15375
Waste Manifest Number: 3947309
Date of Shipment: 11-01-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: ____

Analyst/Sampler: Ron A Petillo Date: 11/01/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: SANDBLAST GRIT
TCEQ Waste Code Number: 00463891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15625
Waste Manifest Number: 3947392
Date of Shipment: 11-9-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 5

Analyst/Sampler: Rene A Bustillo Date: 11-9-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: BLASTING GRIT
TCEQ Waste Code Number: D0463891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIES / GRAY
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): N/A
  Bulk tank assigned: N/A

Shipment Information

Job Confirmation Number: 15827
Waste Manifest Number: 3947456
Date of Shipment: 11/15/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 01

Analyst/Sampler: [signature] Date: 11/15/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRINDING ROCKS / SAND BLAST
TCEQ Waste Code Number: 00463891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY
- Physical Appearance
  Liquid_____ Solid X
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16051
Waste Manifest Number: 3947573
Date of Shipment: 11/22/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 09

Analyst/Sampler: [signature] Date: 11/22/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRINDING ROCKS / SANDBLAST
TCEQ Waste Code Number: 0046 3891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16182
Waste Manifest Number: 3956468
Date of Shipment: 11/29/05
Container Type (i.e. drum, tote, etc.): ADRUM
Quantity: 01

Analyst/Sampler: _____ Date: 11/29/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: BLASTING GRIT
TCEQ Waste Code Number: 00463891

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK / GRAY / BROWN
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16358
Waste Manifest Number: 3956561
Date of Shipment: 12/06/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 02

Analyst/Sampler: _____ Date: 12/06/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1126

Generator: SMITH INTL
Address: 16740 HARDY STREET
Name of Waste: GRINDING ROCKS / SANDBLAST
TCEQ Waste Code Number: 04638 91

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK / BROWN
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16795
Waste Manifest Number: 3956815
Date of Shipment: 12/20/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 02

Analyst/Sampler: _____ Date: 12/20/05

Bill Swain
291-233 5601

4

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1126**

Waste Generator: **Smith International**

Waste Stream Name: **Blasting Grit**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

S...
Company

EPAHO102000751

Bill Swain
291-233 5601

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1126**

Waste Generator: **Smith International**

Waste Stream Name: **Blasting Grit**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

S...
Company

EPAHO102000752

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 #: **1126**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **Blasting Grit**

Expiration Date: **9/8/2008**

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

Tyra Garner
Customer Name

Signature

Smith International Inc., Facility HSE Spec
Company / Title

09/08/08
Date

1130 Koch Heat Transfer
Bof# 1130

EPAHO102000754

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **1/26/2007**

Dear **Trent Norlund**

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 # 1130

Generator: Koch Heat Transfer Company, LP
Address: 12602 FM 529
Houston, TX 77041

Waste Information

Name of Waste: Recyclable Oily Water Mixture
TCEQ Waste Code #: NA
Container Type: Other Vac Trailer (partially full)
Detailed Description of Process Generating Waste:
Coolant/Oily water mixture from machining operations
Color: Milky **Odor:** None **pH:** NA
Physical State: Liquid
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.

KOCH
HEAT TRANSFER COMPANY LP

A Koch Chemical Technology Group, LLC Company

25 January 2007

CES Environmental Services, Inc.
4904 Griggs Road
Houston, Texas 77021

RE: Waste Profile #1130

To Whom It May Concern,
For Waste Stream #1130, and all future waste streams generated from this physical address, the generator has changed company names from Brown Fintube Company, LP to Koch Heat Transfer Company, LP. All EPA and State Identification numbers have remained the same. Please adjust your records to indicate this name change. If you have any questions, please feel free to contact me at any time.

Sincerely,

Trent Norlund
EH&S Manager
(713) 466-3535 front office
(713) 849-8179 direct office
(713) 899-4794 mobile
(713) 466-3625 fax

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/8/2005**

Dear **Trent Norland**

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 # 1130

Generator: Brown Fintube, Inc.
Address: 12602 FM 529
Houston, TX 77041

Waste Information

Name of Waste: Recyclable Oily Water Mixture
TCEQ Waste Code #: NA
Container Type: Other Vac Trailer (partially full)
Detailed Description of Process Generating Waste:
Coolant/Oily water mixture from machining operations
Color: Milky **Odor:** None **pH:** NA
Physical State: Liquid
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

SECTION 1: Generator Information

Company:	Brown Fintube		
Address:	12602 FM 529		
City, State, Zip:	Houston, TX 77041		
Contact:	Trent Norlund	**Title:**	EHS Manager
Phone No:	713 466-3535	**Fax No:**	
24/hr Phone:	Same		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**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: Recyclable Oily-Water Mixture
Detailed Description of Process Generating Waste: Coolant/Oily Water mixture from machining operations

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

Color: milky **Odor:** None

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

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: Vac Trailer (partially full)

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1- **Other:**
Texas State Waste Code No: recyclable
Proper U.S. DOT Shipping Name: N/A
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	NA	0mg/l	0mg/l	2%

Oil&Grease	TOC	Zinc	Copper	Nickel
30,000mg/l	0mg/l	0mg/l	0mg/l	0mg/l

EPAHO102000758

SECTION 4: Physical and Chemical Data

Component The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	92-98	%
Coolant	1-5	%
Lubricating Oils	1-3	%

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):
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: [signature] EHS Mgr **Date:** 9/8/05

Printed Name/Title: Trent Norlund

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 9-8-05 (Approved) Rejected

Approval Number: 1130

Additional Information:

SEP 08 '05 12:56PM BROWN FINTUBEMental Services 713 676 1676 P.2/4/05

EPAHO102000759

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

EPAHO102000760

(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.

EPAHO102000761

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1130

Generator: BROWN FINTUBE
Address: 12602 FM 529 HOUSTON, TX 77021
Name of Waste: RECYCLABLE HYDROCARBON + WATER MIXTURE
TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: N/A
Safety Related Data/Special Handling: N/A

Waste Sample Data

- Color of Sample: MILKY
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 8
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15547
Waste Manifest Number: BILL OF LADING
Date of Shipment: 11-8-05
Container Type (i.e. drum, tote, etc.): TRAILE
Quantity: 1100 GAL

Analyst/Sampler: [signature] Date: 11-7-05

GRR

SW
JR

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-1130**

Customer: **Koch Heat Transfer Company, LP**

Waste Generator: **Koch Heat Transfer Company, LP**

Waste Stream Name: **Recyclable Oily Water Mixture**

Expiration Date: **9/8/2008**

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.

TRENT NORLUND
Customer Name

Trent Norlund
Signature

KHT, LP EHS MGR
Company / Title

21 JAN 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

✓

Shawcor Pipe Protection 1139
Profile# 1139

DB

EPAHO102000764

7Q
8-5-09
8-36
1
2AB

TOTAL P.01

DB

281-485-3421
Angela Mollis

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1139**

Waste Generator: **Shawcor Pipe Protection**

Waste Stream Name: **Non-hazardous Wastewater**

Expiration Date: **9/27/2006**

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.

ANGELA MOLIS
Customer Name

Angela Molis
Signature

HSE Coordinator
Title

Shawcor Pipe Protection, LLC
Company

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/28/2005**

Dear **Angela Molis**

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 # 1139

Generator: Shawcor Pipe Protection
Address: 4501 Knapp Road
Pearland, TX 77581

Waste Information

Name of Waste: Non-Hazardous Wastewater
TCEQ Waste Code #: 00141192
Container Type: Truck
Detailed Description of Process Generating Waste:
Neutralized phosphoric acid solution used to clean carbon steel before the coating proces
Color: Cloudy to clear **Odor:** None **pH:** 2.1-10.0
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Shawcor Pipe Protection		
Address:	4501 Knapp Rd.		
City, State, Zip:	Pearland, TX 77581		
Contact:	Angela Molis	Title:	HSE Manager
Phone No:	281-485-8321	Fax No:	281-485-2657
24/hr Phone:	713-922-5022		
U.S. EPA I.D. No:	TXT490013562		
State I.D.	32925	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 Waste Water
Detailed Description of Process Generating Waste: Neutralized phosphoric acid solution used to clean carbon steel pipe before n coating process

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

Color: Cloudy to Clear Odor: None

Specific Gravity (water=1): 1-1.1 Density: 8.34 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☐	Drum	☐	Tote	☒	Truck	☐ Other (explain)
Container Size:						5-6000	

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-5 Other:
Texas State Waste Code No: 00141192
Proper U.S. DOT Shipping Name: Non-RCRA, Non-Hazardous Waste Water
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point >200	pH 2.1-10	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0-1%
Oil&Grease <100mg/l	TOC 22mg/l	Zinc .111mg/l	Copper .0514mg/l	Nickel .367mg/l

SEP-27-2005 15:30 CES Environmental Services 713 676 1676 P.02
Received Fax : Sep 27 2005 3:35PM Fax Station : ShawCor Pipe Protect.on P. 2

EPAHO102000768

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	97-99	%
Solid Salts	1-2	%
Debris	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.
See 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: ____
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: _____ **Date:** 9/27/05.

Printed Name/Title: ~~Angela Molis / HSE Coordinator~~ / Josh Croix - Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar R Thapa

Date: 9-27-05 Approved Rejected

Approval Number: 1139

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

(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.

SEP-27-2005 15:30 CES Environmental Services 713 676 1676 P.04

Received Fax : Sep 27 2005 3:35PM Fax Station : ShawCor Pipe Protection p. 4

EPAHO102000770

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.

EPAHO102000771

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/28/2005**

Dear **Angela Molis**

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 # 1139

Generator: Shawcor Pipe Protection
Address: 4501 Knapp Road
Pearland, TX 77581

Waste Information

Name of Waste: Non-Hazardous Wastewater
TCEQ Waste Code #: 00141192
Container Type: Truck
Detailed Description of Process Generating Waste:
Neutralized phosphoric acid solution used to clean carbon steel before the coating proces
Color: Cloudy to clear **Odor:** None **pH:** 2.1-10.0
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Shawcor Pipe Protection		
Address:	4501 Knapp Rd.		
City, State, Zip:	Pearland, TX 77581		
Contact:	Angela Molis	Title:	HSE Manager
Phone No:	281-485-8321	Fax No:	281-485-2657
24/hr Phone:	713-922-5022		
U.S. EPA I.D. No:	TXT490013562		
State I.D.	32925	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 Waste Water
Detailed Description of Process Generating Waste: Neutralized phosphoric acid solution used to clean carbon steel pipe before n coating process

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

Color: Cloudy to Clear Odor: None

Specific Gravity (water=1): 1-1.1 Density: 8.34 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 5-6000 ____

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-5 Other: ____
Texas State Waste Code No: 00141192
Proper U.S. DOT Shipping Name: Non-RCRA, Non-Hazardous Waste Water
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point >200	pH 2.1-10	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0-1%
Oil&Grease <100mg/l	TOC 22mg/l	Zinc .111mg/l	Copper .0514mg/l	Nickel .367mg/l

SEP-27-2005 15:30 CES Environmental Services 713 676 1676 P.02

Received Fax : Sep 27 2005 3:35PM Fax Station : ShawCor Pipe Protection P. 2

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	97-99	%
Solid Salts	1-2	%
Debris	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.
See 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: ____
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: _____ **Date:** 9/27/05.

Printed Name/Title: ~~Angela Molis / HSE Coordinator~~ / Josh Croix - Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Thayer

Date: 9-27-05 (Approved) Rejected

Approval Number: 1139

Additional Information: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

SEP-27-2005 15:30 CES Environmental Services 713 676 1676 P.03

Received Fax : Sep 27 2005 3:55PM Fax Station : ShawCor Pipe Protection P. 3

EPAHO102000774

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.

SEP-27-2005 15:30 CES Environmental Services 713 676 1676 P.04

Received Fax : Sep 27 2005 3:35PM Fax Station : ShawCor Pipe Protection P. 4

EPAHO102000775

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.

EPAHO102000776

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD @ PEARLAND TX 77581
Name of Waste: NON-HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 3946646
Date of Shipment: 9-29-05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 4500 GALL

Analyst/Sampler: [signature] Date: 9-29-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND TX 77581
Name of Waste: NON-HAZ WASTEWATER
TCEQ Waste Code Number: 0014/192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 3946836
Date of Shipment: 10-06-05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5,000

Analyst/Sampler: Ken A Portillo Date: 10-06-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND, TX 77581
Name of Waste: NON HAZ WASTEWATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5
- Odor: _____
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): T-10
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: 3946841
Date of Shipment: 10-7-05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5,000 G

Analyst/Sampler: [signature] Date: 10-7-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND, TX 77581
Name of Waste: NON HAZ WASTEWATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5
- Odor: ____
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: [illegible]

Shipment Information

Job Confirmation Number: [illegible]
Waste Manifest Number: 32925
Date of Shipment: 11-4-05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5,000

Analyst/Sampler: [signature] Date: 11-04-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND TX 77581
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4
- Odor: ____
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 3947369
Date of Shipment: 11-7-05
Container Type (i.e. drum, tote, etc.): TRAILER
Quantity: 4,900

Analyst/Sampler: Ron A Portillo Date: 11-7-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD PEARLAND TX 77581
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: [X] YES [ ] NO
- Matches general composition from the waste profile: [X] YES [ ] NO
- pH of liquid (water phase): 3
- Odor: ____
- Compatible with proposed mix material: [X] YES [ ] NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 394703
Date of Shipment: 11-9-05
Container Type (i.e. drum, tote, etc.): TRAILER
Quantity: 5,200 GA

Analyst/Sampler: Rena R Patella Date: 11-9-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR
Address: 4501 KNAPP RD
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: D014,192

Incompatibilities: NONE
Safety Related Data/Special Handling: NONE

Waste Sample Data

- Color of Sample: CLEAR / CLOUDY
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6.0
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-8

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 3947427
Date of Shipment: 11/11/05
Container Type (i.e. drum, tote, etc.): TRAILER
Quantity: 5200

Analyst/Sampler: [signature] Date: 11/11/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAW COR
Address: 4501 KNAPP RD PEARLAND, TX 77581
Name of Waste: WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: NORMAL PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid
  Multiphase Liquid Solid Sludge
  Describe:
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5
- Odor: SOAP
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list):
- Bulk process code assigned (see list):
  Bulk tank assigned: 10

Shipment Information

Job Confirmation Number:
Waste Manifest Number: 3947429
Date of Shipment: 11-12-05
Container Type (i.e. drum, tote, etc.): TT
Quantity: 5200 GALLONS

Analyst/Sampler: Mario Mora Date: 11-12-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR
Address: 4501 KNAPP RD PEARLAND, TX 77581
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6.0
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: 12

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 3947559
Date of Shipment: 11/21/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5300 GAL

Analyst/Sampler: ____ Date: 11/21/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAW COR
Address: 4501 KNAPP RD
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4.0
- Odor: ~~CLEAR~~ NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 3947585
Date of Shipment: 11/23/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5500 GAL

Analyst/Sampler: [signature] Date: 11/23/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAW COR PIPE PROTECTION
Address: 4501 KNAPP
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4.0
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 16214
Waste Manifest Number: 3956487
Date of Shipment: 11/30/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5300 GAL

Analyst/Sampler: [signature] Date: 11/30/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP PEARLAND, TX
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4.8
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: 3947541
Date of Shipment: 12/02/05
Container Type (i.e. drum, tote, etc.): TRAILER
Quantity: 5000 GAL

Analyst/Sampler: _____ Date: 12/02/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: Shawcor Pipe Protection
Address: 4501 Knapp Rd
Name of Waste: Non Haz Waste Water
TCEQ Waste Code Number: 00141192

Incompatibilities: None
Safety Related Data/Special Handling: Standard PPE

Waste Sample Data

- Color of Sample: Clear
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4
- Odor: None
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 16319
Waste Manifest Number: 395654
Date of Shipment: 12/03/05
Container Type (i.e. drum, tote, etc.): Tanker
Quantity: 5000 Gal

Analyst/Sampler: [signature] Date: 12/02/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP ROAD
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-12

Shipment Information

Job Confirmation Number: 16324
Waste Manifest Number: 3956547
Date of Shipment: 12/05/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5300 GAL

Analyst/Sampler: ____ Date: 12/05/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid 4 Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4.0
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 16425
Waste Manifest Number: 3956595
Date of Shipment: 12/07/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5500 GAL

Analyst/Sampler: [signature] Date: 12/07/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY TO CLEAR
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4.0
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 16550
Waste Manifest Number: 395641
Date of Shipment: 12/10/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5300 GAL

Analyst/Sampler: [signature] Date: 12/10/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR Pipe Protection
Address: 4501 KNAPP RD
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY to CLEAR
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 3.0
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-12

Shipment Information

Job Confirmation Number: 16543
Waste Manifest Number: 395640
Date of Shipment: 12/12/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5400 GAL

Analyst/Sampler: _____ Date: 12/12/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLOUDY TO CLEAR
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5-7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): CAT "A"
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 16598
Waste Manifest Number: 3956663
Date of Shipment: 12/14/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5200 GAL

Analyst/Sampler: _____ Date: 12/14/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZARDOUS WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5.4
- Odor: ~~CLEAR~~ NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-12

Shipment Information

Job Confirmation Number: 16689
Waste Manifest Number: 3956707
Date of Shipment: 12/16/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5500 GAL

Analyst/Sampler: _____ Date: 12/16/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAW COR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZARDOUS WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4.6
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-12

Shipment Information

Job Confirmation Number: 16723
Waste Manifest Number: 3956769
Date of Shipment: 12/19/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5000 GAL

Analyst/Sampler: [signature] Date: 12/19/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZARDOUS WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6.7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-12

Shipment Information

Job Confirmation Number: 16827
Waste Manifest Number: 3956827
Date of Shipment: 12/21/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5000 GAL

Analyst/Sampler: _____ Date: 12/21/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZARDOUS WASTE WATER
TCEQ Waste Code Number: 0014 1192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5.2
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 17008
Waste Manifest Number: 3956921
Date of Shipment: 12/29/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5000 GAL

Analyst/Sampler: _____ Date: 12/29/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: Shaw cor Pipe Protection
Address: 4501 KNAPP RD
Name of Waste: NON HAZARDOUS WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5.4
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
- Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 17079
Waste Manifest Number: 3956977
Date of Shipment: 12/31/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5200 GAL

Analyst/Sampler: [signature] Date: 12/31/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR Pipe Protection
Address: 4501 KNAPP RD
Name of Waste: NON HAZARDOUS WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5.7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 17112
Waste Manifest Number: 3956992
Date of Shipment: 01/03/06
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5000 GAL

Analyst/Sampler: _____ Date: 01/03/06

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZARDOUS WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☑ YES ☐ NO
- pH of liquid (water phase): 4.3
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 17183
Waste Manifest Number: 3957021
Date of Shipment: 01/05/06
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5000 GAL

Analyst/Sampler: [signature] Date: 01/05/06

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZARDOUS WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid ✓ Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4.1
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): _____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 17218
Waste Manifest Number: 3957040
Date of Shipment: 01/06/06
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5300 GAL

Analyst/Sampler: _____ Date: 01/06/06

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1139

Generator: SHAWCOR PIPE PROTECTION
Address: 4501 KNAPP RD
Name of Waste: NON HAZ WASTE WATER
TCEQ Waste Code Number: 00141192

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 4.1
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-10

Shipment Information

Job Confirmation Number: 17309
Waste Manifest Number: 3957071
Date of Shipment: 01/09/06
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 5000 GAL

Analyst/Sampler: [signature] Date: 01/09/06

Gulf Coast
ACCUTEST.
Laboratories

09/20/04

Technical Report for

Philip Reclamation Services

Shaw Cor Pipe Protection

Accutest Job Number: T8240

Sampling Date: 09/10/04

Report to:

Philip Reclamation Services

cpfluger@contactpsc.com

ATTN: Clay Pfluger

Total number of pages in report: 38

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Ron Martino
Laboratory Manager

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Sample Results 4
2.1: T8240-1: WASTE WATER TANK 4
[illegible] ..... [illegible]
[illegible] Chain of Custody 11
Section 4: GC/MS Volatiles - QC Data Summaries 13
4.1: Method Blank Summary 14
4.2: Blank Spike/Blank Spike Duplicate Summary 15
4.3: Matrix Spike/Matrix Spike Duplicate Summary 16
Section 5: GC/MS Semi-volatiles - QC Data Summaries 17
5.1: Method Blank Summary 18
5.2: Blank Spike Summary 20
5.3: Matrix Spike/Matrix Spike Duplicate Summary 22
Section 6: Metals Analysis - QC Data Summaries 24
6.1: Prep QC MP3029: Hg 25
6.2: Prep QC MP3037: Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn 29
Section 7: General Chemistry - QC Data Summaries 34
7.1: Method Blank and Spike Results Summary 35
7.2: Duplicate Results Summary 36
7.3: Matrix Spike Results Summary 37
7.4: Matrix Spike Duplicate Results Summary 38

EPAHO102000805

Accutest Laboratories

Sample Summary

Philip Reclamation Services

Job No: T8240

Shaw Cor Pipe Protection

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T8240-1	09/10/04	14:00	ML	09/10/04	AQ	Water	WASTE WATER TANK

EPAHO102000806

Accutest Laboratories

Report of Analysis

Client Sample ID:	WASTE WATER TANK		
Lab Sample ID:	T8240-1	Date Sampled:	09/10/04
Matrix:	AQ - Water	Date Received:	09/10/04
Method:	EPA 624	Percent Solids:	n/a
Project:	Shaw Cor Pipe Protection		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Z11904.D	1	09/16/04	LJ	n/a	n/a	VZ611
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	10	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		72-135%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

EPAHO102000807

Accutest Laboratories

Report of Analysis

Client Sample ID:	WASTE WATER TANK		
Lab Sample ID:	T8240-1	Date Sampled:	09/10/04
Matrix:	AQ - Water	Date Received:	09/10/04
Method:	EPA 624	Percent Solids:	n/a
Project:	Shaw Cor Pipe Protection		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		65-136%
2037-26-5	Toluene-D8	114%		77-142%
460-00-4	4-Bromofluorobenzene	110%		87-150%

(a) TICS search performed. Acetonitrile not present in sample.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

EPAHO102000808

Accutest Laboratories

Report of Analysis

Client Sample ID:	WASTE WATER TANK		
Lab Sample ID:	T8240-1	Date Sampled:	09/10/04
Matrix:	AQ - Water	Date Received:	09/10/04
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Shaw Cor Pipe Protection		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	A08049.D	1	09/13/04	SC	09/13/04	OP3717	EA734
Run #2							

	Initial Volume	Final Volume
Run #1	820 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6.1	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	6.1	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	6.1	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	6.1	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	30	13	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	12	6.1	ug/l	
88-75-5	2-Nitrophenol	ND	6.1	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	30	12	ug/l	
87-86-5	Pentachlorophenol	ND	30	15	ug/l	
108-95-2	Phenol	ND	6.1	1.2	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	6.1	2.4	ug/l	
83-32-9	Acenaphthene	ND	6.1	3.7	ug/l	
208-96-8	Acenaphthylene	ND	6.1	3.7	ug/l	
120-12-7	Anthracene	ND	6.1	2.4	ug/l	
92-87-5	Benzidine	ND	30	6.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	6.1	1.2	ug/l	
50-32-8	Benzo(a)pyrene	ND	6.1	1.2	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	6.1	1.2	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	6.1	2.4	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	6.1	2.4	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	6.1	3.7	ug/l	
218-01-9	Chrysene	ND	6.1	1.2	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	6.1	1.2	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	6.1	1.2	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	6.1	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	6.1	2.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	6.1	3.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	6.1	2.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	6.1	2.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	6.1	2.4	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	6.1	2.4	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	12	1.2	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

EPAHO102000809

Accutest Laboratories

Report of Analysis

Client Sample ID:	WASTE WATER TANK		
Lab Sample ID:	T8240-1	Date Sampled:	09/10/04
Matrix:	AQ - Water	Date Received:	09/10/04
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Shaw Cor Pipe Protection		

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	6.1	1.8	ug/l	
84-74-2	Di-n-butyl phthalate	2.6	6.1	2.4	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	6.1	1.2	ug/l	
84-66-2	Diethyl phthalate	ND	6.1	1.2	ug/l	
131-11-3	Dimethyl phthalate	ND	6.1	1.2	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.1	2.4	ug/l	
206-44-0	Fluoranthene	ND	6.1	2.4	ug/l	
86-73-7	Fluorene	ND	6.1	3.7	ug/l	
118-74-1	Hexachlorobenzene	ND	6.1	3.7	ug/l	
87-68-3	Hexachlorobutadiene	ND	6.1	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	6.1	2.4	ug/l	
67-72-1	Hexachloroethane	ND	6.1	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.1	3.7	ug/l	
78-59-1	Isophorone	ND	6.1	1.2	ug/l	
91-20-3	Naphthalene	ND	6.1	3.7	ug/l	
98-95-3	Nitrobenzene	ND	6.1	2.4	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	6.1	1.2	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	6.1	1.2	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	6.1	2.4	ug/l	
85-01-8	Phenanthrene	ND	6.1	3.7	ug/l	
129-00-0	Pyrene	ND	6.1	2.4	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	3.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%		10-73%
4165-62-2	Phenol-d5	26%		10-94%
118-79-6	2,4,6-Tribromophenol	90%		22-129%
4165-60-0	Nitrobenzene-d5	83%		27-112%
321-60-8	2-Fluorobiphenyl	79%		29-107%
1718-51-0	Terphenyl-d14	109%		31-123%

(a) Internal standards are not within the advisory limits due to a matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

EPAHO102000810

Accutest Laboratories

Report of Analysis

Client Sample ID:	WASTE WATER TANK		
Lab Sample ID:	T8240-1	Date Sampled:	09/10/04
Matrix:	AQ - Water	Date Received:	09/10/04
		Percent Solids:	n/a
Project:	Shaw Cor Pipe Protection		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Antimony	< 10	10	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Arsenic	52.5	5.0	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Beryllium	< 5.0	5.0	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Cadmium	< 4.0	4.0	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Chromium	54.8	10	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Copper	51.4	25	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Lead	5.5	3.0	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	09/18/04	09/19/04	JM	SW846 7470A [2]	SW846 7470A [3]
Nickel	367	40	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]
Zinc	111	20	ug/l	1	09/14/04	09/17/04	JM	SW846 6010B [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA1691
(2) Instrument QC Batch: MA1693
(3) Prep QC Batch: MP3029
(4) Prep QC Batch: MP3037

RL = Reporting Limit

EPAHO102000811

Accutest Laboratories

Report of Analysis

Client Sample ID:	WASTE WATER TANK		
Lab Sample ID:	T8240-1	Date Sampled:	09/10/04
Matrix:	AQ - Water	Date Received:	09/10/04
		Percent Solids:	n/a
Project:	Shaw Cor Pipe Protection		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
BOD, 5 Day	24.0	12	mg/l	6	09/11/04 13:30	KTN	EPA 405.1/SM 5210B
Carbonaceous Bod, 5 Day	21.0	12	mg/l	6	09/11/04 13:30	KTN	EPA SM 5210B
Chloride	36.0	5.0	mg/l	5	09/17/04 09:00	LC	EPA 325.3
Cyanide, Total	<0.010	0.010	mg/l	1	09/17/04 13:00	LN	EPA 335.3/9012
HEM Oil And Grease	5.0	2.8	mg/l	1.4	09/15/04 14:30	LC	EPA 1664
Nitrogen, Nitrate + Nitrite	0.50	0.050	mg/l	1	09/13/04 11:49	LN	EPA 353.2
Phosphorus, Total	980	100	mg/l	5000	09/16/04 12:30	LN	EPA 365.2
Solids, Total Dissolved	3570	10	mg/l	1	09/14/04 12:20	LC	EPA 160.1
Sulfate	<10	10	mg/l	1	09/13/04 14:40	LC	EPA 375.3
Total Organic Carbon	22.0	2.0	mg/l	2	09/14/04 12:00	LN	EPA 415.1/9060
pH	6.5		su	1	09/11/04 10:00	LC	EPA 150.1/9040

RL = Reporting Limit

EPAHO102000812

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories
10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # T8240

Client / Reporting Information

Company Name: Phillips Reclamation
Project Contact: Mark Lindsay | E-Mail:
Address: 4050 Homestead
City: Houston, TX 77028 | State: | Zip:
Phone No.: 713-679-2333 | Fax No.:
Samplers's Name: Mark Lindsay

Project Information

Project Name / No.: Shaw Coa Bee Protection
Bill to: Phillips Reclamation | Invoice Attn.:
Address: 4050 Homestead Road
City: Houston | State: Tx. | Zip: 77028
Phone No.: 713.678.2333 | Fax No.:
Client Purchase Order #

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH	HNO3	H2SO4	EnCore	NaHSO4	MEOH	NONE	VOA (624 Special List)	SEMI (625 Special List)	Metals (6010 Special List)	BOD	CBOD	TOC	Nitrate Nitrogen	Nitrate Nitrogen	Total Phosphorus	Oil and Grease	TDS, pH	LAB USE ONLY
SC#1	Waste Water Tank	09-10-04	2:30pm	WW	3			3						X											
SC#2	"	"	"	"	1												X								
SC#3	"	"	"	"	1													X							
SC#4	"	"	"	"	1																			X	
SC#5	"	"	"	"	1														X						
SC#6	"	"	"	"	1											X				X	X	X			
SC#7	"	"	09-10-04	"	3																		X		
SC#8	"	"			2										X										
SC#9					1															X	X	X			

Turnaround Time (Business days)

- [ ] 10 Day STANDARD
- [X] 5 Day RUSH — Approved By/ Date: GNL / 09-10-04
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] Other

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Jose L. Perez	09-10-04 2:30pm	1	2		2
3	Relinquished by:	Date Time:	Received By: 3 Brady Ross 9/10/04	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice X Cooler Temp. 10c

T8240: Chain of Custody
Page 1 of 2

EPAHO102000814

CHAIN OF CUSTODY

ACCUTEST Laboratories

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

Page 2 of 2

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

Client / Reporting Information

Company Name	Philips Reclamation
Project Contact	Mark Lindsay
E-Mail	
Address	4050 Homestead
City / State / Zip	Houston, TX 77028
Phone No.	713-679-2333
Fax No.	
Samplers's Name	

Project Information

Project Name / No.	Chaw Cor Pipe Protection
Bill to	Philips Reclamation
Invoice Attn.	
Address	4050 Homestead Road
City / State / Zip	Houston, TX 77028
Phone No.	713.679.2333
Fax No.	
Client Purchase Order #	

Requested Analyses

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Wastewater; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; SOL - Other Solid

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	EnCOR	NaHSO4	MEOH	NONE	Sulfate	Chloride	CN	LAB USE ONLY
SC#	Waste Water Tank	09-10-04	2:00 pm	LIQ	1									X			
SC#	" "	09-10-04	2:00	LIQ	1										X		
SC	" "	↓	↓	↓	1											X	

Turnaround Time (Business days)

- [ ] 10 Day STANDARD
- [X] 5 Day RUSH — Approved By:/ Date: [signature] / 09-10-04
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] Other

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only

Commercial "B" = Results & Standard QC

Comments / Remarks

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 X Jose L. Perez	09.10.04 2:30pm	1 Mark Lindsay	2		2
Relinquished by: 3	Date Time:	Received By: 3 Bradley Nguy 9/10/04	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice X Cooler Temp. 10°C

T8240: Chain of Custody
Page 2 of 2

EPAHO102000815

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ611-MB	Z11896.D	1	09/16/04	LJ	n/a	n/a	VZ611

The QC reported here applies to the following samples: Method: EPA 624

T8240-1

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	10	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	72-135%
17060-07-0	1,2-Dichloroethane-D4	108%	65-136%
2037-26-5	Toluene-D8	112%	77-142%
460-00-4	4-Bromofluorobenzene	114%	87-150%

Blank Spike/Blank Spike Duplicate Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ611-BS	Z11895.D	1	09/16/04	LJ	n/a	n/a	VZ611
VZ611-BSD	Z11908.D	1	09/16/04	LJ	n/a	n/a	VZ611

The QC reported here applies to the following samples: Method: EPA 624

T8240-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
107-02-8	Acrolein	125	51.0	41	49.2	39	4	18-162/30
71-43-2	Benzene	25	18.5	74	21.1	84	13	70-116/30
75-27-4	Bromodichloromethane	25	19.0	76	21.0	84	10	69-115/30
75-25-2	Bromoform	25	19.9	80	21.7	87	9	61-121/30
108-90-7	Chlorobenzene	25	19.5	78	21.4	86	9	73-114/30
75-00-3	Chloroethane	25	19.3	77	20.8	83	7	67-133/30
67-66-3	Chloroform	25	18.8	75	21.0	84	11	71-116/30
110-75-8	2-Chloroethyl vinyl ether	125	55.7	45	59.7	48	7	32-148/30
56-23-5	Carbon tetrachloride	25	20.0	80	21.4	86	7	71-131/30
75-34-3	1,1-Dichloroethane	25	18.7	75	21.0	84	12	71-123/30
75-35-4	1,1-Dichloroethylene	25	19.8	79	21.7	87	9	69-138/30
107-06-2	1,2-Dichloroethane	25	19.1	76	20.7	83	8	66-113/30
78-87-5	1,2-Dichloropropane	25	18.4	74	20.8	83	12	71-116/30
124-48-1	Dibromochloromethane	25	19.8	79	21.2	85	7	67-118/30
10061-01-5	cis-1,3-Dichloropropene	25	19.5	78	21.7	87	11	69-118/30
156-60-5	trans-1,2-Dichloroethylene	25	19.6	78	21.7	87	10	72-129/30
10061-02-6	trans-1,3-Dichloropropene	25	21.6	86	22.7	91	5	73-127/30
100-41-4	Ethylbenzene	25	19.5	78	21.6	86	10	74-117/30
74-83-9	Methyl bromide	25	18.3	73	19.5	78	6	64-140/30
74-87-3	Methyl chloride	25	18.3	73	20.5	82	11	49-136/30
75-09-2	Methylene chloride	25	18.5	74	21.0	84	13	53-117/30
71-55-6	1,1,1-Trichloroethane	25	19.1	76	21.3	85	11	71-125/30
79-34-5	1,1,2,2-Tetrachloroethane	25	19.9	80	21.0	84	5	61-118/30
79-00-5	1,1,2-Trichloroethane	25	19.8	79	21.8	87	10	65-117/30
127-18-4	Tetrachloroethylene	25	20.8	83	22.2	89	7	76-126/30
108-88-3	Toluene	25	19.1	76	21.4	86	11	72-116/30
79-01-6	Trichloroethylene	25	19.0	76	20.7	83	9	73-119/30
75-01-4	Vinyl chloride	25	20.5	82	22.5	90	9	63-137/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	110%	110%	72-135%
17060-07-0	1,2-Dichloroethane-D4	106%	105%	65-136%
2037-26-5	Toluene-D8	113%	114%	77-142%
460-00-4	4-Bromofluorobenzene	113%	109%	87-150%

EPAHO102000818

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T8262-1MS	Z11916.D	1	09/16/04	LJ	n/a	n/a	VZ611
T8262-1MSD	Z11917.D	1	09/16/04	LJ	n/a	n/a	VZ611
T8262-1	Z11915.D	1	09/16/04	LJ	n/a	n/a	VZ611

The QC reported here applies to the following samples: Method: EPA 624

T8240-1

CAS No.	Compound	T8262-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
107-02-8	Acrolein	ND		125	50.2	40	52.1	42	4	29-153/30
71-43-2	Benzene	ND		25	21.9	88	21.4	86	2	59-122/15
75-27-4	Bromodichloromethane	ND		25	21.5	86	21.7	87	1	58-124/22
75-25-2	Bromoform	ND		25	22.1	88	21.9	88	1	50-127/28
108-90-7	Chlorobenzene	ND		25	22.4	90	22.6	90	1	68-116/20
75-00-3	Chloroethane	ND		25	22.0	88	20.9	84	5	60-139/25
67-66-3	Chloroform	ND		25	21.7	87	21.7	87	0	65-121/20
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	20-109/39
56-23-5	Carbon tetrachloride	ND		25	22.2	89	21.8	87	2	69-132/23
75-34-3	1,1-Dichloroethane	ND		25	22.1	88	22.2	89	0	67-127/21
75-35-4	1,1-Dichloroethylene	ND		25	21.9	88	22.5	90	3	63-141/25
107-06-2	1,2-Dichloroethane	ND		25	21.8	87	21.6	86	1	56-125/25
78-87-5	1,2-Dichloropropane	ND		25	21.4	86	21.6	86	1	64-119/22
124-48-1	Dibromochloromethane	ND		25	22.0	88	22.5	90	2	56-124/23
10061-01-5	cis-1,3-Dichloropropene	ND		25	21.0	84	20.7	83	1	58-121/23
156-60-5	trans-1,2-Dichloroethylene	ND		25	23.1	92	22.5	90	3	67-132/22
10061-02-6	trans-1,3-Dichloropropene	ND		25	23.1	92	23.1	92	0	58-131/23
100-41-4	Ethylbenzene	ND		25	22.2	89	22.1	88	0	67-125/18
74-83-9	Methyl bromide	ND		25	20.7	83	19.4	78	6	57-140/27
74-87-3	Methyl chloride	ND		25	23.0	92	21.4	86	7	49-132/24
75-09-2	Methylene chloride	ND		25	20.9	84	21.3	85	2	45-120/21
71-55-6	1,1,1-Trichloroethane	ND		25	21.7	87	21.6	86	0	69-128/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	22.2	89	23.1	92	4	48-126/22
79-00-5	1,1,2-Trichloroethane	ND		25	22.7	91	22.7	91	0	54-123/22
127-18-4	Tetrachloroethylene	ND		25	23.4	94	23.1	92	1	70-128/21
108-88-3	Toluene	ND		25	22.2	89	21.2	85	5	61-125/18
79-01-6	Trichloroethylene	ND		25	21.4	86	21.5	86	0	68-122/19
75-01-4	Vinyl chloride	ND		25	23.8	95	22.6	90	5	56-136/24

CAS No.	Surrogate Recoveries	MS	MSD	T8262-1	Limits
1868-53-7	Dibromofluoromethane	110%	111%	111%	72-135%
17060-07-0	1,2-Dichloroethane-D4	104%	110%	105%	65-136%
2037-26-5	Toluene-D8	115%	114%	114%	77-142%
460-00-4	4-Bromofluorobenzene	107%	111%	110%	87-150%

EPAHO102000819

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3717-MB	A08036.D	1	09/13/04	SC	09/13/04	OP3717	EA734

The QC reported here applies to the following samples: Method: EPA 625

T8240-1

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	11	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	12	ug/l	
108-95-2	Phenol	ND	5.0	1.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	3.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	3.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
92-87-5	Benzidine	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	3.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	3.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.5	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.0	ug/l	

EPAHO102000821

Method Blank Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3717-MB	A08036.D	1	09/13/04	SC	09/13/04	OP3717	EA734

The QC reported here applies to the following samples: Method: EPA 625

T8240-1

CAS No.	Compound	Result	RL	MDL	Units	Q
131-11-3	Dimethyl phthalate	ND	5.0	1.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	3.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	3.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	3.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	3.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	2.0	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	3.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	29%	10-73%
4165-62-2	Phenol-d5	19%	10-94%
118-79-6	2,4,6-Tribromophenol	71%	22-129%
4165-60-0	Nitrobenzene-d5	75%	27-112%
321-60-8	2-Fluorobiphenyl	72%	29-107%
1718-51-0	Terphenyl-d14	98%	31-123%

EPAHO102000822

Blank Spike Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3717-BS	A08037.D	1	09/13/04	SC	09/13/04	OP3717	EA734

The QC reported here applies to the following samples: Method: EPA 625

T8240-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	33.3	67	44-98
59-50-7	4-Chloro-3-methyl phenol	50	36.1	72	52-102
120-83-2	2,4-Dichlorophenol	50	38.7	77	48-104
105-67-9	2,4-Dimethylphenol	50	31.5	63	37-98
51-28-5	2,4-Dinitrophenol	50	27.1	54	36-107
534-52-1	4,6-Dinitro-o-cresol	50	35.7	71	33-110
88-75-5	2-Nitrophenol	50	35.9	72	49-107
100-02-7	4-Nitrophenol	50	10.2	20	10-55
87-86-5	Pentachlorophenol	50	56.3	113	40-120
108-95-2	Phenol	50	12.3	25	15-51
88-06-2	2,4,6-Trichlorophenol	50	35.6	71	50-107
83-32-9	Acenaphthene	50	33.9	68	51-102
208-96-8	Acenaphthylene	50	37.6	75	56-117
120-12-7	Anthracene	50	37.7	75	55-111
56-55-3	Benzo(a)anthracene	50	39.2	78	56-109
50-32-8	Benzo(a)pyrene	50	43.8	88	56-115
205-99-2	Benzo(b)fluoranthene	50	39.3	79	49-114
191-24-2	Benzo(g,h,i)perylene	50	29.5	59	49-114
207-08-9	Benzo(k)fluoranthene	50	42.2	84	54-119
101-55-3	4-Bromophenyl phenyl ether	50	33.5	67	49-111
218-01-9	Chrysene	50	41.0	82	56-108
111-91-1	bis(2-Chloroethoxy)methane	50	35.4	71	53-103
111-44-4	bis(2-Chloroethyl)ether	50	35.7	71	44-106
108-60-1	bis(2-Chloroisopropyl)ether	50	36.5	73	41-105
95-50-1	1,2-Dichlorobenzene	50	24.5	49	31-95
122-66-7	1,2-Diphenylhydrazine	50	37.3	75	51-106
541-73-1	1,3-Dichlorobenzene	50	21.4	43	30-88
106-46-7	1,4-Dichlorobenzene	50	21.8	44	27-91
121-14-2	2,4-Dinitrotoluene	50	36.2	72	57-113
606-20-2	2,6-Dinitrotoluene	50	45.3	91	55-115
91-94-1	3,3'-Dichlorobenzidine	50	40.0	80	45-132
53-70-3	Dibenzo(a,h)anthracene	50	28.0	56	50-109
84-74-2	Di-n-butyl phthalate	50	39.5	79	59-109
117-84-0	Di-n-octyl phthalate	50	54.4	109	56-116
84-66-2	Diethyl phthalate	50	40.9	82	61-105
131-11-3	Dimethyl phthalate	50	38.8	78	58-106

EPAHO102000823

Blank Spike Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3717-BS	A08037.D	1	09/13/04	SC	09/13/04	OP3717	EA734

The QC reported here applies to the following samples: Method: EPA 625

T8240-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.2	84	60-116
206-44-0	Fluoranthene	50	40.2	80	58-108
86-73-7	Fluorene	50	37.5	75	54-106
118-74-1	Hexachlorobenzene	50	38.5	77	54-108
87-68-3	Hexachlorobutadiene	50	19.6	39	17-77
77-47-4	Hexachlorocyclopentadiene	50	14.6	29	19-83
67-72-1	Hexachloroethane	50	21.6	43	26-83
193-39-5	Indeno(1,2,3-cd)pyrene	50	32.1	64	51-112
78-59-1	Isophorone	50	38.7	77	49-109
91-20-3	Naphthalene	50	28.4	57	40-102
98-95-3	Nitrobenzene	50	35.3	71	51-105
62-75-9	n-Nitrosodimethylamine	50	18.5	37	23-72
621-64-7	N-Nitroso-di-n-propylamine	50	40.3	81	49-110
86-30-6	N-Nitrosodiphenylamine	50	48.2	96	63-125
85-01-8	Phenanthrene	50	40.0	80	58-104
129-00-0	Pyrene	50	42.4	85	53-113
120-82-1	1,2,4-Trichlorobenzene	50	21.1	42	33-96

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	37%	10-73%
4165-62-2	Phenol-d5	22%	10-94%
118-79-6	2,4,6-Tribromophenol	88%	22-129%
4165-60-0	Nitrobenzene-d5	78%	27-112%
321-60-8	2-Fluorobiphenyl	75%	29-107%
1718-51-0	Terphenyl-d14	100%	31-123%

EPAHO102000824

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3717-MS [a]	A08050.D	1	09/13/04	SC	09/13/04	OP3717	EA734
OP3717-MSD [a]	A08051.D	1	09/13/04	SC	09/13/04	OP3717	EA734
T8240-1 [b]	A08049.D	1	09/13/04	SC	09/13/04	OP3717	EA734

The QC reported here applies to the following samples: Method: EPA 625

T8240-1

CAS No.	Compound	T8240-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		122	87.8	72	100	82	13	46-96/19
59-50-7	4-Chloro-3-methyl phenol	ND		122	110	90	116	95	5	51-106/14
120-83-2	2,4-Dichlorophenol	ND		122	109	89	116	95	6	45-104/18
105-67-9	2,4-Dimethylphenol	ND		122	94.3	77	101	83	7	43-98/20
51-28-5	2,4-Dinitrophenol	ND		122	103	84	105	86	2	54-112/30
534-52-1	4,6-Dinitro-o-cresol	ND		122	101	83	111	91	9	42-106/19
88-75-5	2-Nitrophenol	ND		122	93.3	77	103	84	10	45-104/22
100-02-7	4-Nitrophenol	ND		122	55.9	46	59.0	48	5	17-79/28
87-86-5	Pentachlorophenol	ND		122	155	127*	161	132*	4	60-120/17
108-95-2	Phenol	ND		122	42.3	35	47.1	39	11	14-78/18
88-06-2	2,4,6-Trichlorophenol	ND		122	104	85	110	90	6	48-106/17
83-32-9	Acenaphthene	ND		122	89.4	73	101	83	12	44-103/19
208-96-8	Acenaphthylene	ND		122	112	92	120	98	7	56-113/17
120-12-7	Anthracene	ND		122	101	83	113	93	11	54-113/17
56-55-3	Benzo(a)anthracene	ND		122	94.1	77	105	86	11	54-108/12
50-32-8	Benzo(a)pyrene	ND		122	114	93	128	105	12	54-117/13
205-99-2	Benzo(b)fluoranthene	ND		122	130	107	149	122*	14	54-109/18
191-24-2	Benzo(g,h,i)perylene	ND		122	58.9	48*	52.5	43*	11	55-111/22
207-08-9	Benzo(k)fluoranthene	ND		122	122	100	130	107	6	59-114/13
101-55-3	4-Bromophenyl phenyl ether	ND		122	102	84	113	93	10	55-106/15
218-01-9	Chrysene	ND		122	101	83	107	88	6	51-108/11
111-91-1	bis(2-Chloroethoxy)methane	ND		122	90.3	74	100	82	10	45-105/22
111-44-4	bis(2-Chloroethyl)ether	ND		122	93.6	77	104	85	11	43-102/17
108-60-1	bis(2-Chloroisopropyl)ether	ND		122	103	84	117	96	13	44-106/30
95-50-1	1,2-Dichlorobenzene	ND		122	82.8	68	91.4	75	10	31-90/27
122-66-7	1,2-Diphenylhydrazine	ND		122	108	89	122	100	12	47-109/19
541-73-1	1,3-Dichlorobenzene	ND		122	75.3	62	87.3	72	15	28-88/21
106-46-7	1,4-Dichlorobenzene	ND		122	79.9	66	89.1	73	11	26-89/19
121-14-2	2,4-Dinitrotoluene	ND		122	96.0	79	102	84	6	54-113/16
606-20-2	2,6-Dinitrotoluene	ND		122	120	98	129	106	7	54-112/19
91-94-1	3,3'-Dichlorobenzidine	ND		122	7.2	6*	9.4	8*	27	20-122/28
53-70-3	Dibenzo(a,h)anthracene	ND		122	50.1	41*	49.6	41*	1	53-110/22
84-74-2	Di-n-butyl phthalate	2.6	J	122	108	86	116	93	7	53-114/15
117-84-0	Di-n-octyl phthalate	ND		122	183	150*	201	165*	9	51-113/18
84-66-2	Diethyl phthalate	ND		122	105	86	112	92	6	52-109/13
131-11-3	Dimethyl phthalate	ND		122	102	84	110	90	8	54-105/13

EPAHO102000825

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T8240
Account: PRSTXHO Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3717-MS [a]	A08050.D	1	09/13/04	SC	09/13/04	OP3717	EA734
OP3717-MSD [a]	A08051.D	1	09/13/04	SC	09/13/04	OP3717	EA734
T8240-1 [b]	A08049.D	1	09/13/04	SC	09/13/04	OP3717	EA734

The QC reported here applies to the following samples: Method: EPA 625

T8240-1

CAS No.	Compound	T8240-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
117-81-7	bis(2-Ethylhexyl)phthalate	ND		122	120	98	132	108	10	53-115/15
206-44-0	Fluoranthene	ND		122	105	86	115	94	9	53-113/15
86-73-7	Fluorene	ND		122	103	84	108	89	5	54-103/15
118-74-1	Hexachlorobenzene	ND		122	98.4	81	116	95	16*	54-106/14
87-68-3	Hexachlorobutadiene	ND		122	83.1	68	90.9	75	9	19-83/18
77-47-4	Hexachlorocyclopentadiene	ND		122	70.1	57	73.3	60	4	22-83/30
67-72-1	Hexachloroethane	ND		122	89.0	73	97.9	80	10	28-90/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		122	74.1	61	58.6	48	23	47-111/23
78-59-1	Isophorone	ND		122	99.0	81	109	89	10	49-111/18
91-20-3	Naphthalene	ND		122	95.7	78	101	83	5	40-101/20
98-95-3	Nitrobenzene	ND		122	101	83	110	90	9	46-105/18
62-75-9	n-Nitrosodimethylamine	ND		122	60.5	50	69.8	57	14	19-84/23
621-64-7	N-Nitroso-di-n-propylamine	ND		122	112	92	120	98	7	47-110/23
86-30-6	N-Nitrosodiphenylamine	ND		122	131	107	148	121	12	60-123/15
85-01-8	Phenanthrene	ND		122	104	85	115	94	10	52-109/14
129-00-0	Pyrene	ND		122	106	87	124	102	16*	52-107/14
120-82-1	1,2,4-Trichlorobenzene	ND		122	84.8	70	92.7	76	9	35-101/16

CAS No.	Surrogate Recoveries	MS	MSD	T8240-1	Limits
367-12-4	2-Fluorophenol	23%	20%	20%	10-73%
4165-62-2	Phenol-d5	40%	44%	26%	10-94%
118-79-6	2,4,6-Tribromophenol	97%	99%	90%	22-129%
4165-60-0	Nitrobenzene-d5	87%	91%	83%	27-112%
321-60-8	2-Fluorobiphenyl	80%	84%	79%	29-107%
1718-51-0	Terphenyl-d14	95%	110%	109%	31-123%

(a) Compounds outside control limits due to matrix interference.
(b) Internal standards are not within the advisory limits due to a matrix interference.

EPAHO102000826

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

EPAHO102000827

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3029
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 09/18/04

Metal	RL	IDL	MB raw	final
Mercury	0.20	.037	0.012	<0.20

Associated samples MP3029: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

EPAHO102000828

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3029
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 09/18/04 09/18/04

Metal	T8200-1 Original	DUP	RPD	QC Limits	T8200-1 Original	MS	Spikelot HGTXAQ40	% Rec	QC Limits
Mercury	0.092	0.0	200.0(a)	0-6.6	0.092	3.6	4	87.7	78-118

Associated samples MP3029: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

EPAHO102000829

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3029
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 09/18/04

Metal	T8200-1 Original	MSD	Spikelot HGTXAQ40	% Rec	MSD RPD	QC Limit
Mercury	0.092	4.0	4	97.7	10.5	

Associated samples MP3029: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

EPAHO102000830

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3029
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 09/18/04

Metal	BSP Result	Spikelot HGTXAQ40	% Rec	QC Limits
Mercury	3.7	4	92.5	80-120

Associated samples MP3029: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

EPAHO102000831

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3037
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/14/04

Metal	RL	IDL	MB raw	final
Aluminum	200	51	-2.4	<200
Antimony	10	2.5	1.5	<10
Arsenic	5.0	2.8	-2.3	<5.0
Barium	200	1.4	1.0	<200
Beryllium	5.0	1	0.16	<5.0
Boron	100	3		
Cadmium	4.0	.3	0.14	<4.0
Calcium	5000	34		
Chromium	10	1	-0.050	<10
Cobalt	50	3		
Copper	25	8.5	14.3	<25
Iron	100	88		
Lead	3.0	2	1.7	<3.0
Magnesium	5000	49		
Manganese	15	.4		
Molybdenum	10	2		
Nickel	40	2.9	0.39	<40
Potassium	5000	56		
Selenium	10	5	3.7	<10
Silver	10	.6	0.50	<10
Sodium	5000	11		
Strontium	10			
Thallium	10	3.6		
Tin	20			
Titanium	10	2.9		
Vanadium	50	4.9		
Zinc	20	.4	13.6	<20

Associated samples MP3037: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

EPAHO102000832

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3037
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/14/04 09/14/04

Metal	T8240-1 Original	DUP	RPD	QC Limits	T8240-1 Original	MS	Spikelot MPTW3	% Rec	QC Limits
Aluminum	0.00	0.00	NC	0-20	0.00	51500	50000	103.0	75-125
Antimony	0.0	0.0	NC	0-20	0.0	382	400	95.5	75-125
Arsenic	52.5	55.8	6.1	0-20	52.5	463	400	102.6	75-125
Barium	2.7	1.5	57.1 (a)	0-20	2.7	408	400	101.3	75-125
Beryllium	0.0	0.0	NC	0-20	0.0	398	400	99.5	75-125
Boron									
Cadmium	0.0	0.0	NC	0-20	0.0	391	400	97.8	75-125
Calcium									
Chromium	54.8	55.4	1.1	0-20	54.8	454	400	99.8	75-125
Cobalt									
Copper	51.4	48.9	5.0	0-20	51.4	470	400	104.7	75-125
Iron									
Lead	5.5	5.5	0.0	0-20	5.5	398	400	98.1	75-125
Magnesium									
Manganese									
Molybdenum									
Nickel	367	369	0.5	0-20	367	760	400	98.3	75-125
Potassium									
Selenium	6.0	0.0	200.0*(b	0-20	6.0	387	400	95.3	75-125
Silver	0.0	0.0	NC	0-20	0.0	142	400	35.5N	75-125
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	111	106	4.6	0-20	111	528	400	104.3	75-125

Associated samples MP3037: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) RPD acceptable due to low sample and duplicate concentrations.

6.2.2

EPAHO102000833

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3037
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/14/04

Metal	T8240-1 Original	MSD	Spikelot MPTW3	% Rec	MSD RPD	QC Limit
Aluminum	0.00	51300	50000	102.6	0.4	
Antimony	0.0	378	400	94.5	1.1	
Arsenic	52.5	460	400	101.9	0.7	
Barium	2.7	406	400	100.8	0.5	
Beryllium	0.0	397	400	99.3	0.3	
Boron						
Cadmium	0.0	389	400	97.3	0.5	
Calcium						
Chromium	54.8	451	400	99.1	0.7	
Cobalt						
Copper	51.4	469	400	104.4	0.2	
Iron						
Lead	5.5	395	400	97.4	0.8	
Magnesium						
Manganese						
Molybdenum						
Nickel	367	752	400	96.3	1.1	
Potassium						
Selenium	6.0	383	400	94.3	1.0	
Silver	0.0	139	400	34.8N	2.1	
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	111	524	400	103.3	0.8	

Associated samples MP3037: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

EPAHO102000834

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3037
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/14/04

Metal	BSP Result	Spikelot MPTW3	% Rec	QC Limits
Aluminum	51600	50000	103.2	80-120
Antimony	386	400	96.5	80-120
Arsenic	403	400	100.8	80-120
Barium	413	400	103.3	80-120
Beryllium	400	400	100.0	80-120
Boron				
Cadmium	385	400	96.3	80-120
Calcium				
Chromium	403	400	100.8	80-120
Cobalt				
Copper	427	400	106.8	80-120
Iron				
Lead	390	400	97.5	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	390	400	97.5	80-120
Potassium				
Selenium	382	400	95.5	80-120
Silver	147	400	36.8*	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	419	400	104.8	80-120

Associated samples MP3037: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.3

EPAHO102000835

SERIAL DILUTION RESULTS SUMMARY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

QC Batch ID: MP3037
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/14/04

Metal	T8240-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	52.5	52.0	0.8	0-10
Barium	2.69	0.00	100.0(a)	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	54.8	50.5	7.8	0-10
Cobalt				
Copper	51.4	46.3	10.0	0-10
Iron				
Lead	5.45	0.00	100.0(a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel	367	369	0.6	0-10
Potassium				
Selenium	5.99	0.00	100.0(a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	111	119	7.0	0-10

Associated samples MP3037: T8240-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

EPAHO102000836

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

EPAHO102000837

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Analyte	Batch ID	RL	MB Result	Units	BSP %Recov	QC Limits
BOD, 5 Day	GP2679/GN6871	2.0	<2.0	mg/l	89.0	80-120%
Carbonaceous Bod, 5 Day	GP2678/GN6870	2.0	<2.0	mg/l	92.0	80-120%
Chloride	GN6894	1.0	<1.0	mg/l	100.0	92-107%
Cyanide, Total	GP2689/GN6900	0.010	<0.010	mg/l	100.0	86-117%
HEM Oil And Grease	GP2683/GN6885	2.0	<2.0	mg/l	93.0	78-114%
Nitrogen, Nitrate + Nitrite	GN6875				100.0	80-114%
Nitrogen, Nitrate + Nitrite	GN6875	0.050	<0.050	mg/l	100.0	80-114%
Phosphorus, Total	GP2684/GN6890	0.020	<0.020	mg/l	104.0	80-120%
Solids, Total Dissolved	GN6864	10	<10	mg/l		
Sulfate	GN6865	10	<10	mg/l	115.0	80-120%
Total Organic Carbon	GN6882	1.0	<1.0	mg/l	95.0	84-110%

Associated Samples:
Batch GN6864: T8240-1
Batch GN6865: T8240-1
Batch GN6875: T8240-1
Batch GN6882: T8240-1
Batch GN6894: T8240-1
Batch GP2678: T8240-1
Batch GP2679: T8240-1
Batch GP2683: T8240-1
Batch GP2684: T8240-1
Batch GP2689: T8240-1

7.1

7

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
BOD, 5 Day	GP2679/GN6871	T8240-1	mg/l	24.0	22.0	8.7	0-20%
Carbonaceous Bod, 5 Day	GP2678/GN6870	T8240-1	mg/l	21.0	22.0	4.7	0-20%
Chloride	GN6894	T8240-1	mg/l	36.0	36.0	0.0	0-5%
Cyanide, Total	GP2689/GN6900	F26369-5	mg/l	<0.010	<0.010	0.0	0-5%
Nitrogen, Nitrate + Nitrite	GN6875	F26494-4	mg/l	0.20	0.20	0.0	0-5%
Nitrogen, Nitrate + Nitrite	GN6875	F26511-3	mg/l	<0.050	<0.050	0.0	0-5%
Nitrogen, Nitrate + Nitrite	GN6875	F26511-1	mg/l	<0.050	<0.050	0.0	0-5%
Phosphorus, Total	GP2684/GN6890	T8240-1	mg/l	980	996	1.6	0-20%
Solids, Total Dissolved	GN6864	T8240-1	mg/l	3570	3590	0.6	0-20%
Sulfate	GN6865	T8140-1	mg/l	11.5	10.7	7.0	0-20%
Total Organic Carbon	GN6882	T8240-1	mg/l	22.0	22.0	0.0	0-14%
pH	GN6872	T8240-1	su	6.5	6.5	0.0	0-6.8%

Associated Samples:
Batch GN6864: T8240-1
Batch GN6865: T8240-1
Batch GN6872: T8240-1
Batch GN6875: T8240-1
Batch GN6882: T8240-1
Batch GN6894: T8240-1
Batch GP2678: T8240-1
Batch GP2679: T8240-1
Batch GP2684: T8240-1
Batch GP2689: T8240-1

EPAHO102000839

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GN6894	T8240-1	mg/l	36.0	50	83.0	98.0	81-119%
Cyanide, Total	GP2689/GN6900	F26369-5	mg/l	<0.010	0.100	0.086	86.0	85-119%
Cyanide, Total	GP2689/GN6900	F26369-5	mg/l	<0.010	0.100	0.0860	86.0	85-119%
HEM Oil And Grease	GP2683/GN6885	T8190-4	mg/l	<2.4	45	42.0	89.0	78-114%
Nitrogen, Nitrate + Nitrite	GN6875	F26494-4	mg/l	0.20	0.100	0.30	100.0	90-115%
Nitrogen, Nitrate + Nitrite	GN6875	F26494-4	mg/l	0.20	0.100	0.30	100.0	90-115%
Nitrogen, Nitrate + Nitrite	GN6875	F26511-3	mg/l	<0.050	0.100	0.11	109.0	90-115%
Nitrogen, Nitrate + Nitrite	GN6875	F26511-3	mg/l	<0.050	0.100	0.11	107.0	90-115%
Nitrogen, Nitrate + Nitrite	GN6875	F26511-1	mg/l	<0.050	0.100	0.095	95.0	90-115%
Nitrogen, Nitrate + Nitrite	GN6875	F26511-1	mg/l	<0.050	0.100	0.098	98.0	90-115%
Phosphorus, Total	GP2684/GN6890	T8240-1	mg/l	980	1250	1000	(a)	75-125%
Sulfate	GN6865	T8140-1	mg/l	11.5	25	32.9	84.0	75-125%
Total Organic Carbon	GN6882	T8240-1	mg/l	22.0	10.0	32.0	100.0	79-110%

Associated Samples:
Batch GN6865: T8240-1
Batch GN6875: T8240-1
Batch GN6882: T8240-1
Batch GN6894: T8240-1
Batch GP2683: T8240-1
Batch GP2684: T8240-1
Batch GP2689: T8240-1
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

7.3

7

EPAHO102000840

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T8240
Account: PRSTXHO - Philip Reclamation Services
Project: Shaw Cor Pipe Protection

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
HEM Oil And Grease	GP2683/GN6885	T8190-4	mg/l	<2.4	45	38.0	84.0	

Associated Samples:
Batch GP2683: T8240-1

7.4
7

EPAHO102000841

TOTAL P.01

DB

281-485-2401
Angela Mollis

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1139**

Waste Generator: **Shawcor Pipe Protection**

Waste Stream Name: **Non-hazardous Wastewater**

Expiration Date: **9/27/2006**

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.

Angela Mollis
Customer Name

Angela Mollis
Signature

HSE Coordinator
Title

Shawcor Pipe Protection, LLC
Company

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-1139

Customer: Shawcor Pipe Protection

Waste Generator: Shawcor Pipe Protection

Waste Stream Name: Non-Hazardous Wastewater

Expiration Date: 1/5/2009

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

SHAWCOR PIPE PROTECTION
Customer Name

Richard Cheatham
Signature

SHAWCOR PIPE PROTECTION / HSE SUPERVISOR
Company / Title

1/9/09
Date

EPAHO102000843

Al Longoria

From: Morgan McCarley
Sent: Friday, January 09, 2009 11:04 AM
To: Al Longoria
Subject: FW: need you signature
Attachments: ATT00001.jpg; 1139.pdf; WW RECERT.pdf

Al- can you please print this and get it to prabhakar? Analysis should not be needed. Have him talk to dan with any problems. Thanks a bunch, hope things are going well today.
thanks-morgan

From: RCheatheam@BrederoShaw.ShawCor.com <RCheatheam@BrederoShaw.ShawCor.com>
Sent: Friday, January 09, 2009 10:58 AM
To: Morgan McCarley <mmccarley@cesenvironmental.com>
Subject: Re: need you signature

Morgan,

Here is the signed copy.

Regards,

Rick Cheatheam
HSE Supervisor
Shawcor Pipe Protection, LLC
1122 Main St.
Pearland, TX 77581
Direct #: 281-997-5608
Cell #: 713-992-8547
email: rcheatheam@brederoshaw.shawcor.com

"Safety is a continuing journey.....not a final destination."

Morgan McCarley <mmccarley@cesenvironmental.com>

01/08/2009 12:56 PM

To "RCheatheam@BrederoShaw.ShawCor.com" <RCheatheam@BrederoShaw.ShawCor.com>
cc "AMolis@BrederoShaw.ShawCor.com" <AMolis@BrederoShaw.ShawCor.com>
Subject need you signature

Rick-

I'm glad you called about the pH, you brought to my attention that this profile needs to be recertified in our system. Please sign and confirm that NO changes have been made to the generation process of this material. I

1123/MILSTEAD ENVIRONMENTAL
PROFILE # 1123

EPAHO10200845

L. Lee

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 #: **1123**

Customer: **Milstead Envrionmental**

Waste Generator: **Milstead Envrionmental**

Waste Stream Name: **Recyclable Hydrocarbon and Water Mixture**

Expiration Date: **3/29/2008**

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

Sandy Tennery
Customer Name

Signature

Milstead Enviro. Manager
Company / Title

3/11/08
Date

✓

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **3/29/2006**

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 # 1123

Generator: Milstead Envrionmental
Address: 29707 W. Hawthorne
Spring, TX 77386

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Water and unused hydrocarbons (oil, gas and diesel) from spills.
Color: Varies **Odor:** Slight Hydrocarbon **pH:** N/A
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:	Milstead Environmental		
Address:	29707 W. Hawthorne		
City, State, Zip:	Spring, TX 77386		
Contact:	James Wilson	Title:	Manager
Phone No:	281-367-3535	Fax No:	281-419-4492
24/hr Phone:	713-303-5109		
U.S. EPA I.D. No:	Na		
State I.D.	Na	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: Recyclable Hydrocarbon and Water Mixture
Detailed Description of Process Generating Waste: Water and unused hydrocarbons (Oil, Gas, Diesel) from spills.

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

Color: Varies Odor: Slight Hydrocarbon

Specific Gravity (water=1): 1-1.5 Density: 8-10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 1-5600 ____

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 2-1 Other: ____
Texas State Waste Code No: RECYCLING
Proper U.S. DOT Shipping Name: Recyclable Hydrocarbon and Water
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	0-20%
Oil&Grease Namg/l	TOC Namg/l	Zinc Namg/l	Copper Namg/l	Nickel Namg/l

MAR-28-2006 17:48 CES Environmental Service 713 676 1676 P.07

EPAHO102000849

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	50-99	%
Unused Hydrocarbons (Oil, Gasoline, Diesel)	1-50	%
Mud	0-20	%

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: James Wilson **Date:** 03/29/06

Printed Name/Title: James Wilson/Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 3/29/06 (Approved) Rejected

Approval Number: 1123

Additional Information: RER

MAR-28-2006 17:49 CES Environmental Service 713 676 1676 P.08

EPAHO102000850

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

EPAHO102000851

TOTAL P.10

(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.

MAR-28-2006 17:49 CES Environmental Service 713 676 1676 P.10

EPAHO102000852

Smith International 1122
Profile # 1122

EPAHO102000853

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/20/2008**

Dear **Bill Swain (MC 39A)**

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-1122

Expiration Date 9/9/2008

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

Waste Information

Name of Waste: Graphite Waste
TCEQ Waste Code #: 00573071
Container Type: Drum super sac
Detailed Description of Process Generating Waste:
The waste is generated by CNC machines turning and milling graphite and the mold assembly areas by grinding on graphite molds and sand crowfeet. Some hydrocarbon contamination occurs from way lube that coast the CNC machines.

Color: Black **Odor:** Oil Like **pH:** Neutral
Physical State: Sludge
Incompatibilities: Oxidizers and reducing agents
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 1128

GB/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) 676-1460	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: Smith International Inc.
Address: 16740 Hardy St.
City: Houston **State:** TX **Zip:** 77032
Contact: Tyra Garacci **Title:** Facility HSE Specialist
Phone Number: 281-233-5346 **Fax Number:** 281-233-5982
24/hr Phone Number: 713-305-5722
US EPA ID No: TX0000729426
State ID No: 30682 **SIC Code:** 3533

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

Company: Smith International Inc.
Address: P.O. Box 60068 BN: 39A
City: Houston **State:** TX **Zip:** 77205-0068
Contact: Tyra Garacci **Title:** Facility HSE Specialist
Phone Number: 281-233-5346 **Fax Number:** 281-233-5982

SECTION 3: General Description of the Waste

Name of Waste: Graphite Waste

Detailed Description of Process Generating Waste:
The waste is generated by CNC machines turning and milling graphite and the mold assembly areas by grinding on graphite molds and sand crowfeet. Some hydrocarbon contamination occurs from way lube that coats the CNC machines ~~and can get~~

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

Color: Grey **Odor:** None

Specific Gravity (water=1): 2 **Density:** N/A 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) Super Sack

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

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: 00573071

Proper US DOT Shipping Name: Graphite Waste

Class: 1 **UN/NA:** _____ **PG :** _____ **RQ:** _____

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

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Graphite	80-95	%
Sand	5-20	%
Oil/Grease	0-3	%
Miscellaneous trash debris	0-5	%

SECTION 5: Safety Related Data

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

See MSDS for UCAR Extruded Graphite Shapes.

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- Activated Carbon Graphite, and UCAR Extruded Graphite Shapes

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

Per MSDS Incompatible Material with strong oxidizing agents and strong reducing agents.

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
TCLP Volatiles:	N/A
TCLP Semi-Volatiles:	N/A
Reactivity:	N/A
Corrosivity:	N/A
Ignitability:	N/A

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:** 10-16-08

Printed Name/Title: Tyra R. Garacci

CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer:		
Date:	☐ Approved	☐ Rejected
Approval Number:		

SGL CARBON CORP -- CARBON/GRAPHITE GRADES -- 6810-00F056388

========== Product Identification ==========

Product ID:CARBON/GRAPHITE GRADES
MSDS Date:04/23/1992
FSC:6810
NIIN:00F056388
MSDS Number: CHNBB
=== Responsible Party ===
Company Name:SGL CARBON CORP
Address:8600 BILL FICKLEN DR
Box:563960
City:CHARLOTTE
State:NC
ZIP:28256-3960
Country:US
Info Phone Num:704-593-5173
Emergency Phone Num:704-593-5173
CAGE:GO726
=== Contractor Identification ===
Company Name:DICALITE DIV, GREFCO INC
CAGE:88116
Company Name:SGL CARBON CORP
Address:8600 BILL FICKLEN DR
Box:563960
City:CHARLOTTE
State:NC
ZIP:28256-3960
Country:US
Phone:704-593-5173
CAGE:GO726

========== Composition/Information on Ingredients ==========

Ingred Name:CARBON, ACTIVATED CARBON, GRAPHITE
CAS:7440-44-0
RTECS #:FF5250100
OSHA PEL:10 MG/CUM
ACGIH TLV:10 MG/CUM

========== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: PROLONGED/REPEATED OVEREXPOSURE TO DUST MAY LEAD TO PNEUMOCONIOSIS. EYES: MECHANICAL IRRITATION.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION.
Medical Cond Aggravated by Exposure:PRE-EXISTING CHRONIC RESPIRATORY IMPAIRMENT/W/SERUM ANITRYPSIN DEFICIENCY.

========== First Aid Measures ==========

First Aid:SKIN: WASH W/SOAP & WATER. EYES: DON'T RUB EYES. IMMEDIATELY FLUSH W/PLENTY OF WATER FOR 15 MINS. INHALATION: RMEOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NECESSARY. OBTAIN MEDICAL ATTENTION IN ALL CASES.

EPAHO102000859

GRAFTech
GrafTech International Ltd.

MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: UCAR® Extruded Graphite Shapes

Manufacturer Name:
GrafTech International Holdings Inc.
12900 Snow Road
Parma, Ohio 44130
+1 216-676-2000

Emergency Telephone:
+1 800-424-9300 or +1 703-527-3887

Intended Use: Molds/crucibles/sidewall blocks/heating elements

Contact Person: Dave A. Mieskowski, CSP, +1 216-676-2304

2 HAZARDS IDENTIFICATION

Emergency Overview
Physical State: Solid, various geometrical shapes
Color: Black
Odor: Odorless

In its manufactured and shipped state, this product is considered to present low hazard. Processing may generate graphite dusts and fumes with the below listed potential health effects.

Potential Health Effects

Inhalation: No inhalation hazard in manufactured and shipped state. Dust and fumes generated from the material can enter the body by inhalation. High concentrations of dust and fumes may irritate the throat and respiratory system and cause coughing. Frequent inhalation of fume/dust over a long period of time increases the risk of developing lung diseases.

Eye Contact: Dust in the eyes will cause irritation. Exposed individuals may experience eye tearing, redness, and discomfort.

Skin Contact: Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate skin.

Ingestion: Not relevant, due to the form of the product in its manufactured and shipped state. However, ingestion of dusts generated during working operations may cause nausea and vomiting.

Chronic Health Effects: Prolonged and repeated overexposure to dust can lead to pneumoconiosis. Pre-existing pulmonary disorders, such as emphysema, may possibly be aggravated by prolonged exposure to high concentrations of graphite dusts.

Target Organ(s): | Skin | Lung |

EPAHO102000860

Potential Physical / Chemical Effects: Bulk material is non-combustible. The material may form dust and can accumulate electrostatic charges, which may cause an electrical spark (ignition source). High dust levels may create potential for explosion.

OSHA Regulatory Status: Under some use conditions, this material may be considered to be hazardous in accordance with OSHA 29 CFR 1910.1200.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Concentration*
†Synthetic graphite	7782-42-5	> 99%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
† This chemical is hazardous according to OSHA/WHMIS criteria.

4 FIRST AID MEASURES

Inhalation: Move injured person into fresh air and keep person calm under observation. For breathing difficulties, oxygen may be necessary. Get medical attention.

Eye Contact: Flush thoroughly with water for at least 15 minutes. Do not rub eye. If irritation occurs, get medical assistance.

Skin Contact: Wash skin with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.

Ingestion: Rinse mouth thoroughly if dust is ingested. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: Dust: Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable Extinguishing Media: None.

Special Fire Fighting Procedures: Cool material exposed to heat with water spray and remove it if no risk is involved.

Unusual Fire & Explosion Hazards: Thermal decomposition may produce smoke, oxides of carbon and lower molecular weight organic compounds whose composition have not been characterized.

Hazardous Combustion Products: Carbon Oxides, Unidentified organic compounds

Protective Measures: Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire.

Flammability Class: NFPA Rating Fire = 1. Materials that must be preheated before ignition can occur.

EPAHO102000861

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid generation and spreading of dust. Avoid inhalation of dust and contact with skin and eyes. Remove sources of ignition. Wear suitable protective clothing and gloves. See Section 8 of the MSDS for Personal Protective Equipment.

Spill Cleanup Methods: Collect dust using a vacuum cleaner equipped with HEPA filter. If not possible, gently moisten dust with water fog before it is collected with shovel, broom or the like. Collect in approved containers and seal securely. Containers must be labeled. For waste disposal, see section 13 of the MSDS.

Environmental Precautions: No specific precautions. Do not allow material to enter storm or sanitary sewers, groundwater or soil.

Notification Procedures: In the event of accidental release, notify relevant authorities in accordance with all applicable regulations.

7 HANDLING AND STORAGE

Handling: Risk of being struck by rolling or falling product. Use work methods which minimize dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Take precautionary measures against static discharges when there is a risk of dust explosion. Keep away from heat, spark, open flames and other sources of ignition. Use explosion-proof electrical equipment if airborne dust levels are high. Observe good industrial hygiene practices. Keep the workplace clean.

Storage: Keep away from heat, spark, open flames and other sources of ignition. Keep container closed. Store away from: Oxidizing agents. Reducing agents. Store away from incompatible materials.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	Source	Type	Exposure Limits	Notes
Synthetic graphite (Respirable fraction.)	ACGIH	TWA	2 mg/m³	
Synthetic graphite (Respirable fraction.)	US. OSHA Table Z-1	TWA	5 mg/m³	
Synthetic graphite (Total dust.)	US. OSHA Table Z-1	TWA	10 mg/m³	

Consult Canadian Provincial Regulations and/or Mexican Regulations on exposure limits, if applicable.

Engineering Controls: Provide adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. Provide explosion-proof ventilation for high dust concentrations. Observe occupational exposure limits and minimize the risk of inhalation of dust and fumes. Provide access to washing facilities including soap, skin cleanser and fatty cream.

EPAHO102000862

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Use a NIOSH–approved respirator if there is a potential for exposure to dust exceeding exposure limits (See 29 CRF 1910.134, respiratory protection standard). Seek advice from supervisor on the company's respiratory protection standards.

Eye Protection: Wear safety glasses with side shields (or goggles).

Hand Protection: Wear suitable protective gloves to prevent cuts and abrasions. Suitable gloves can be recommended by the glove supplier.

Skin Protection: Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental Exposure Controls: Environmental manager must be informed of all significant spillages.

9 PHYSICAL AND CHEMICAL PROPERTIES

Color: Black
Odor: Odorless
Odor Threshold: Not applicable.
Physical State: Solid, various geometrical shapes
pH: Not applicable
Melting Point: >2760°C (5000°F)
Freezing Point: Not applicable.
Boiling Point: Not applicable.
Flash Point: Not applicable.
Evaporation Rate: Not applicable.
Flammability Limit - Upper (%): Not applicable.
Flammability Limit - Lower (%): Not applicable.
Vapor Pressure: Not applicable.
Vapor Density (Air=1): Not applicable.
Specific Gravity: 2 (Approximate)
Solubility in Water: Insoluble
Solubility (Other): No data available.
Partition Coefficient (n-Octanol/water): No data available.
Autoignition Temperature: Not applicable.
Decomposition Temperature: >2760°C (5000°F)
Bulk Density: 1.55 g/cc - 1.85 g/cc

EPAHO102000863

10 STABILITY AND REACTIVITY

Stability: Material is stable under normal conditions.

Conditions to Avoid: Dust is combustible, avoid sources of ignition and strong oxidizing agents.

Incompatible Materials: Strong oxidizing agents. Strong reducing agents.

Hazardous Decomposition Products:

At Elevated Temperatures:	Carbon Oxides, Unidentified organic compounds

Possibility of Hazardous Reactions: Will not occur.

11 TOXICOLOGICAL INFORMATION

Listed Carcinogens: None.

Product Information
Acute Toxicity:
Test Results
Oral LD50 (Mouse): 5000 mg/kg
Dermal LD50 (Mouse): 5000 mg/kg

Acute Toxicity: High concentrations of dust may irritate throat and respiratory system and cause coughing. No additional adverse health effects noted.

Chronic Toxicity: No data available. Frequent inhalation of fume/dust over a long period of time increases the risk of developing lung diseases. Prolonged and repeated overexposure to dust can lead to pneumoconiosis. Pre-existing pulmonary disorders, such as emphysema, may possibly be aggravated by prolonged exposure to high concentrations of graphite dusts.

12 ECOLOGICAL INFORMATION

Ecotoxicity: The product is not expected to be hazardous to the environment.

Mobility: Not relevant, due to the form of the product.

Persistence and Degradability: The degradability of the product has not been stated.

Bioaccumulation Potential: No data available on bioaccumulation.

Other Adverse Effects: None known.

EPAHO102000864

13 DISPOSAL CONSIDERATIONS

General Information: Dispose of waste and residues in accordance with local authority requirements.

Disposal Methods: Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Recover and reclaim or recycle, if practical.

Container: Since emptied containers retain product residue, follow label warnings even after container is emptied.

14 TRANSPORT INFORMATION

DOT Not regulated.

TDG Not regulated.

IATA Not regulated.

IMDG Not regulated.

15 REGULATORY INFORMATION

Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

WHMIS Classification: This is not a WHMIS controlled product.

Mexican Dangerous Statement: Under some use conditions, this material may be considered to be hazardous in accordance with Mexican regulations.

Inventory Status

This product or all components are listed or exempt from listing on the following inventory: CHINA, DSL, PICCS, TSCA, EINECS, NZIoC, KECI, AICS

US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): Not regulated.

SARA Title III
Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): Not regulated.

Section 311/312 (40 CFR 370):
[X] Acute (Immediate) [X] Chronic (Delayed) [ ] Fire [ ] Reactive [ ] Pressure Generating

Section 313 Toxic Release Inventory (40 CFR 372): Not regulated.

EPAHO102000865

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): Not regulated.

Drug Enforcement Act: Not regulated.

TSCA

TSCA Section 4(a) Final Test Rules & Testing Consent Orders: Not regulated.

TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40CFR 721, Subpt. E): Not regulated.

TSCA Section 5(e) PMN-Substance Consent Orders: Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Not regulated.

Massachusetts Right-To-Know List: Not regulated.

Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act. 451 of 1994)): Not regulated.

Minnesota Hazardous Substances List: Synthetic graphite

New Jersey Right-To-Know List: Not regulated.

Pennsylvania Right-To-Know List: Synthetic graphite

Rhode Island Right-To-Know List: Not regulated.

16 OTHER INFORMATION

HAZARD RATINGS

	Health Hazard	Fire Hazard	Instability	Special Hazard
NFPA	1	1	0	--

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe
NFPA Label colored diamond code: Blue - Health; Red - Flammability; Yellow - Instability; White - Special Hazards

	Health Hazard	Flammability	Physical Hazard	Personal Protection
HMIS	1*	1	0	B

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe *- Chronic Health Effect
Personal Protection codes: B - Safety Glasses, Gloves
HMIS Label colored bar code: Blue - Health; Red - Flammability; Orange - Physical Hazards; White - Special

EPAHO102000866

General Information: GRAFTECH INTERNATIONAL HOLDINGS INC. ADVISES THE USERS OF THIS PRODUCT TO STUDY THIS MATERIAL SAFETY DATA SHEET (MSDS) AND BECOME AWARE OF PRODUCT HAZARDS AND SAFETY INFORMATION. TO PROMOTE SAFE USE OF THIS PRODUCT, USERS SHOULD NOTIFY THEIR EMPLOYEES, AGENTS AND CONTRACTORS OF THE INFORMATION ON THIS MSDS AND ANY PRODUCT HAZARDS AND SAFETY INFORMATION.

Issue Date: 12-Nov-2007
Supercedes Date: 14-Oct-2007
SDS No.: 3968 NA
Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

EPAHO102000867

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/8/2005**

Dear **Bill Swain**

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 # 1122

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

To be sent to BFI only

Waste Information

Name of Waste: Graphite Waste
TCEQ Waste Code #: 00573071
Container Type: Drum
Detailed Description of Process Generating Waste:

Color: Black **Odor:** Oil Like **pH:** Neutral
Physical State: Sludge
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Smith International, Inc		
Address:	16740 Hardy Street		
City, State, Zip:	Houston, TX 77032		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601
24/hr Phone:	281-443-3370		
U.S. EPA I.D. No:	TXD000729426		
State I.D.	30682	**SIC Code:**	3533; 1389

SECTION 2: Billing Information – ☐ Same as Above

Company:	Smith International, Inc		
Address:	P.O. Box 60068		
City, State, Zip:	Houston, TX 77205		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601

SECTION 3: General Description of the Waste

Name of Waste: Graphite Waste
Detailed Description of Process Generating Waste: _____

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

Color: Black **Odor:** Oil Like

Specific Gravity (water=1): 1.5 **Density:** 12 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: 00573071
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
>200	neutral	0mg/l	0mg/l	80-100%

Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	0mg/l	0mg/l	0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
graphite	50-100	%
Oil	10-20	%
Coolant	10-20	%
Debris as Plant trash, cans, paper, wood etc.	20-50	%
Metal Shavings	0-20	%

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

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: Bill Swain **Date:** 9-7-05

Printed Name/Title: Bill Swain / Environmental Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 9-8-05 Approved Rejected

Approval Number: 1122

Additional Information: To be sent to BFI only

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.

LABORATORY TEST RESULTS

A&B Job ID: 69043 Date: 01/20/05

CLIENT: USA Environment, L.P. PROJECT: 2094-05-071 Smith International ATTN: Mike Cooper

Client Sample ID: Graphite
Date Collected: 1/14/2005
Time Collected:
Sample Loc./Other Info:

A&B Job Sample ID: 69043-02
Sample Matrix: Graphite

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010B	**TCLP Metals**								
	Arsenic	BRL	mg/L	1	0.1	1.8		01/20 13:11	SEC
	Barium	2.13	mg/L	1	0.1	100		01/20 13:11	SEC
	Cadmium	BRL	mg/L	1	0.1	0.5		01/20 13:11	SEC
	Chromium	BRL	mg/L	1	0.1	5		01/20 13:11	SEC
	Lead	BRL	mg/L	1	0.1	1.5		01/20 13:11	SEC
	Selenium	BRL	mg/L	1	0.5	1		01/20 13:11	SEC
	Silver	BRL	mg/L	1	0.1	5		01/20 13:11	SEC
SW-846 7470A	**TCLP Mercury**								
	Mercury	BRL	mg/L	1	0.002	0.2		01/20 14:30	SEC

** BRL - Below Reporting Limit

EPAHO102000873

A & B Environmental Services, Inc.
10100 East Freeway, Suite 100
Houston, Texas 77029

SAMPLE SURROGATE RECOVERY REPORT

Report Date: 1/20/2005

A&B Job ID: 69043

Parameter	Method	CAS #	Spike Added	Spike Result	D.F.	%Rec	% Rec CLIMIT	Analysis DateTime	Analyst	A&B Job Sample ID	Q
Chlorooctadecane	TX 1005	3386-33-2	100	N/A	1		50-149	1/18/05 7:48	Whulmei	69043-01	JS
Tetrafluorotoluene (Surrogate)	SW-846 8021B	5230-78-4	100	98	1	98	75-125	1/17/05 16:54	Psaraiya	69043-01	

JS-Target Compounds caused elevation of baseline. Surrogate is not available.

EPAHO10200874

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 1/20/2005

A&B Job ID: 69043

QCType: LCS and LCSD

Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID		Qual
Arsenic	SW-846 6010B		1	0.90	0.88	90	88	2.2	<30	80-120	Q012005mt		
Barium	SW-846 6010B		1	0.93	0.91	93	91	2.2	<25	80-120	Q012005mt		
Cadmium	SW-846 6010B		1	0.98	0.96	98	96	2.1	<25	80-120	Q012005mt		
Chromium	SW-846 6010B		1	0.98	0.96	98	96	2.1	<25	80-120	Q012005mt		
Lead	SW-846 6010B		1	0.92	0.90	92	90	2.2	<25	80-120	Q012005mt		
Selenium	SW-846 6010B		1	1.00	0.97	100	97	3.0	<35	80-120	Q012005mt		
Silver	SW-846 6010B		1	1.00	0.97	100	97	3.0	<25	80-120	Q012005mt		
Mercury	SW-846 7470A		0.005	0.0052		104			<35	71-143	Q012005hgt		
C6-C12	TX 1005		500	500.0		100			<25	75-125	q011805tph1005a		
>C12-C28	TX 1005		500	458.3		91.7			<25	77-130	q011805tph1005a		
>C28-C35	TX 1005		500	403.1		80.6			<25	70-126	q011805tph1005a		
Benzene	SW-846 8021B		0.1	0.101		101			<25	75-125	q011705btexs2		
Toluene	SW-846 8021B		0.1	0.103		103			<25	75-125	q011705btexs2		
Ethylbenzene	SW-846 8021B		0.1	0.105		105			<25	75-125	q011705btexs2		
Xylene	SW-846 8021B		0.3	0.318		106			<25	75-125	q011705btexs2		

QCType: MS and MSD

Parameter	Method	QCSapl Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD	RPD CLimits	%Rec CLimits	QCBatchID	QC SampleID	Qual
Arsenic	SW-846 6010B	BRL	2	1.81	1.80	91	90	0.6	<30	45-138	Q012005mt	69087-01	
Barium	SW-846 6010B	BRL	2	1.77	1.76	89	88	0.6	<25	39-135	Q012005mt	69087-01	
Cadmium	SW-846 6010B	BRL	2	1.79	1.78	90	89	0.6	<25	56-125	Q012005mt	69087-01	
Chromium	SW-846 6010B	BRL	2	1.84	1.83	92	92	0.5	<25	52-125	Q012005mt	69087-01	
Lead	SW-846 6010B	BRL	2	1.69	1.68	85	84	0.6	<25	55-125	Q012005mt	69087-01	
Selenium	SW-846 6010B	BRL	2	1.95	1.95	98	98	0.0	<25	18-137	Q012005mt	69087-01	

** BRL-Below Reporting Limit

EPAHO102000875

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 1/20/2005

A&B Job ID: 69043

QCType: MS and MSD

Parameter	Method	QCSapl Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD	RPD CLimits	%Rec CLimits	QCBatchID	QC SampleID	Qual
Silver	SW-846 6010B	BRL	2	1.13	1.25	57	63	10.1	<25	26-148	Q012005mt	69087-01	
Mercury	SW-846 7470A	BRL	0.01	0.0108	0.0108	108	108	0.0	<35	61-175	Q012005hgt	69087-01	
C6-C12	TX 1005	BRL	500	551.9	568.2	110	114	2.9	<25	69-133	q011805tph1005a	69048-03	
>C12-C28	TX 1005	BRL	500	532.7	563.1	107	113	5.5	<25	68-128	q011805tph1005a	69048-03	
>C28-C35	TX 1005	BRL	500	423.7	485.1	85	97	13.5	<25	62-130	q011805tph1005a	69048-03	
Benzene	SW-846 8021B	BRL	0.1	0.103	0.092	103	92	11.3	<25	61-135	q011705btexs2	69048-02	
Toluene	SW-846 8021B	BRL	0.1	0.102	0.092	102	92	10.3	<25	70-130	q011705btexs2	69048-02	
Ethylbenzene	SW-846 8021B	BRL	0.1	0.105	0.093	105	93	12.1	<25	70-130	q011705btexs2	69048-02	
Xylene	SW-846 8021B	BRL	0.3	0.322	0.277	107	92	15.0	<25	70-130	q011705btexs2	69048-02	

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1	0.1	Q012005mt	TCLP Metals	
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q012005mt	TCLP Metals	
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q012005mt	TCLP Metals	
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q012005mt	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q012005mt	TCLP Metals	
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q012005mt	TCLP Metals	
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q012005mt	TCLP Metals	
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q012005hgt	TCLP Mercury	
C6-C12	TX 1005		BRL	mg/Kg	1	11.4	q011805tph1005a	Total Petroleum Hydrocarbons	
>C12-C28	TX 1005		BRL	mg/Kg	1	13.3	q011805tph1005a	Total Petroleum Hydrocarbons	
>C28-C35	TX 1005		BRL	mg/Kg	1	26.8	q011805tph1005a	Total Petroleum Hydrocarbons	
Benzene	SW-846 8021B	71-43-2	BRL	mg/Kg	1	0.01	q011705btexs2	BTEX	
Toluene	SW-846 8021B	108-88-3	BRL	mg/Kg	1	0.13	q011705btexs2	BTEX	
Ethylbenzene	SW-846 8021B	100-41-4	BRL	mg/Kg	1	0.13	q011705btexs2	BTEX	
Xylene	SW-846 8021B	1330-20-7	BRL	mg/Kg	1	0.26	q011705btexs2	BTEX	

** BRL-Below Reporting Limit

EPAHO102000876

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: _____

Waste Sample Data

- Color of Sample: BLACK ~~OIL LIKE~~
- Physical Appearance
  Liquid _____ Solid _____
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 07B1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14206
Waste Manifest Number: 3946506
Date of Shipment: 9-13-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 12

Analyst/Sampler: [signature] Date: 9-13-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid _____
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14356
Waste Manifest Number: 3946609
Date of Shipment: 9-21-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 8

Analyst/Sampler: [signature] Date: 9-21-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: GRAPHIE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDEZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: OIL LEKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14501
Waste Manifest Number: 3946637
Date of Shipment: 9-28-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 7

Analyst/Sampler: [signature] Date: 9-28-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 07B1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14739
Waste Manifest Number: 3946895
Date of Shipment: 10/11/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: [signature] Date: [signature] 10/11/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15033
Waste Manifest Number: 3947000
Date of Shipment: 10/18/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 4

Analyst/Sampler: [signature] Date: 10/18/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15233
Waste Manifest Number: 3947246
Date of Shipment: 10/26/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 2

Analyst/Sampler: [signature] Date: 10/26/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIERS
Safety Related Data/Special Handling: LEVELD

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid _____
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): DTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15375
Waste Manifest Number: 3947309
Date of Shipment: 11-01-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: Ben A Portillo Date: 11/01/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 07B1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15625
Waste Manifest Number: 3947392
Date of Shipment: 11-9-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 4

Analyst/Sampler: [signature] Date: 11-9-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK / GRAY
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): DTB-1
- Bulk process code assigned (see list): N/A
  Bulk tank assigned: N/A

Shipment Information

Job Confirmation Number: 15827
Waste Manifest Number: 3947456
Date of Shipment: 11/15/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 11

Analyst/Sampler: _____ Date: 11/15/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: N/A
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15980
Waste Manifest Number: 00573071
Date of Shipment: 11/18/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 4

Analyst/Sampler: [signature] Date: 11/18/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16051
Waste Manifest Number: 3947573
Date of Shipment: 11/22/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 05

Analyst/Samplers: CA Date: 11/22/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): DTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16182
Waste Manifest Number: 3956468
Date of Shipment: 11/29/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 01

Analyst/Sampler: _____ Date: 11/29/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 1740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): DTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16358
Waste Manifest Number: 3956561
Date of Shipment: 3956561 12/06/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 01

Analyst/Sampler: _____ Date: 12/06/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK / GRAY
- Physical Appearance
  Liquid [redacted] Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16553
Waste Manifest Number: 3956642
Date of Shipment: 12/13/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 5

Analyst/Sampler: [signature] Date: 12/13/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTL
Address: 16740 HARDY STREET
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: Level D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16795
Waste Manifest Number: 3956815
Date of Shipment: 12/20/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 01

Analyst/Sampler: _____ Date: 12/20/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16915
Waste Manifest Number: 3956869
Date of Shipment: 12/27/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 11

Analyst/Sampler: _____ Date: 12/27/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1122

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: GRAPHITE WASTE
TCEQ Waste Code Number: 00573071

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 17091
Waste Manifest Number: 3956984
Date of Shipment: 01/03/06
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 05

Analyst/Sampler: [signature] Date: 01/03/06

TOTAL P.01

GB
4[17]

Bill Swain
281.233.5601

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1122**

Waste Generator: **Smith International**

Waste Stream Name: **Graphite Waste**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord
Title

S.I.
Company

EPAHO102000894

TOTAL P.01

GB
4/7

Bill Swain
281.233.5601

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1122**

Waste Generator: **Smith International**

Waste Stream Name: **Graphite Waste**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord
Title

Smith
Company

EPAHO102000895

Smith International 1121
Profile # 1121

EPAHO102000896

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/8/2005**

Dear **Bill Swain**

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 # 1121

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

Waste Information

Name of Waste: Oil Filters
TCEQ Waste Code #: NA
Container Type: Drum
Detailed Description of Process Generating Waste:
Oil changes
Color: Various **Odor:** Oil Like **pH:** Neutral
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Smith International, Inc		
Address:	16740 Hardy Street		
City, State, Zip:	Houston, TX 77032		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601
24/hr Phone:	281-443-3370		
U.S. EPA I.D. No:	TXD000729426		
State I.D.	30682	**SIC Code:**	3533; 1389

SECTION 2: Billing Information – ☐ Same as Above

Company:	Smith International, Inc		
Address:	P.O. Box 60068		
City, State, Zip:	Houston, TX 77205		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601

SECTION 3: General Description of the Waste

Name of Waste: Oil Filters ✓
Detailed Description of Process Generating Waste: Oil Changes

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

Color: Various **Odor:** Oil Like

Specific Gravity (water=1): 1.5 **Density:** 12 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: NA-Recylable Filters ✓
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
>200	neutral	0mg/l	0mg/l	95-100%

Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	0mg/l	0mg/l	0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oil Filters	95-100	%
Oil	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: Bill Swain **Date:** 9-7-05

Printed Name/Title: Bill Swain / Environmental Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rahhaber Thayer

Additional Information:

Date: 9-8-05 Approved Rejected

Approval Number: 1121

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) 676-1676

Receiving Report

Profile #: 1121

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste:
TCEQ Waste Code Number:

Incompatibilities: OXIDIZES
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge____
  Describe:
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase):
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): R-OTB-OFR
- Bulk process code assigned (see list):
  Bulk tank assigned:

Shipment Information

Job Confirmation Number: 14204
Waste Manifest Number: B/L 14204
Date of Shipment: 9-13-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 1

Analyst/Sampler: [signature] Date: 9-13-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1121

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL FILTERS
TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ROTB-OFR
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: B/L 16050
Date of Shipment: 11/22/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 1

Analyst/Sampler: _____ Date: 11/22/05

Bill Swain
281.233.5654

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	**1121**
Waste Generator:	**Smith International**
Waste Stream Name:	**Oil Filters**
Expiration Date:	**9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord
Title

S.I.
Company

EPAHO102000904

Bill Swain
281-233-5654

Yes

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1121**

Waste Generator: **Smith International**

Waste Stream Name: **Oil Filters**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord
Title

Sii
Company

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 #: **1121**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **Oil Filters**

Expiration Date: **9/8/2008**

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 ✓

Tyra Garacci
Customer Name

Signature

Smith International Inc Facility HSE Spec
Company / Title

09/08/08
Date

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 #: **1121**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **Oil Filters**

Expiration Date: **9/8/2008**

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.

Tyra Garacci
Customer Name

Signature

Smith International Inc Facility HSE Spec
Company / Title

09/02/08
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

✓

1120 Smith International
Profile # 1120

EPAHO10200908

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/8/2005**

Dear **Bill Swain**

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 # 1120

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

To be sent to BFI only

Waste Information

Name of Waste: Oily Sludges
TCEQ Waste Code #: 00426031
Container Type:
Detailed Description of Process Generating Waste:
Cleaning
Color: **Odor:** **pH:**
Physical State:
Incompatibilities:
Safety Related Data/Special Handling:

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:	Smith International, Inc		
Address:	16740 Hardy Street		
City, State, Zip:	Houston, TX 77032		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601
24/hr Phone:	281-443-3370		
U.S. EPA I.D. No:	TXD000729426		
State I.D.	30682	**SIC Code:**	3533; 1389

SECTION 2: Billing Information – ☐ Same as Above

Company:	Smith International, Inc		
Address:	P.O. Box 60068		
City, State, Zip:	Houston, TX 77205		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601

SECTION 3: General Description of the Waste

Name of Waste: Oily Sludges
Detailed Description of Process Generating Waste: Cleaning of equipment

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

Color: Black **Odor:** Oil Like

Specific Gravity (water=1): 1.5 **Density:** 12 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: 00426031
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
>200	neutral	0mg/l	0mg/l	80-100%

Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	0mg/l	0mg/l	0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Drilling Mud	50-100	%
Oil	10-20	%
Grease	10-20	%
Debris as Plant trash, cans, paper, wood etc.	20-50	%

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

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: Bill Swain **Date:** 9-7-05

Printed Name/Title: Bill Swain / Environmental Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [illegible]

Date: 9-8-05 (Approved) Rejected

Approval Number: 1120

Additional Information: To be sent to BFI only

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.

scum sludge

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

Smith International, Inc.
P.O. Box 60068
Houston, TX 77205-0068

Phone: (281) 233-5654
Fax: (281) 233-5670

Attn: **Bill Swain**

- CERTIFICATE OF RESULTS -

MES Lab#: 4060811

Client Sample ID: TX-HOU-SVC-SO-1-1

Sample Collect Date: 6/29/2004 @ 9:00:00 AM
Sample Receipt Date: 6/29/2004 @ 6:05:00 PM

Test Group / Method

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: TFR Date / Time
Benzene	0.05	0.5	<0.05	mg/L	7/7/2004 / 1:06 AM
2-Butanone	0.50	200	<0.50	mg/L	7/7/2004 / 1:06 AM
Carbon tetrachloride	0.05	0.5	<0.05	mg/L	7/7/2004 / 1:06 AM
Chlorobenzene	0.05	100	<0.05	mg/L	7/7/2004 / 1:06 AM
1,2-Dichloroethane	0.05	0.5	<0.05	mg/L	7/7/2004 / 1:06 AM
1,1-Dichloroethene	0.05	0.7	<0.05	mg/L	7/7/2004 / 1:06 AM
Hexachlorobutadiene	0.05	0.5	<0.05	mg/L	7/7/2004 / 1:06 AM
Tetrachloroethene	0.05	0.7	<0.05	mg/L	7/7/2004 / 1:06 AM
Trichloroethene	0.05	0.5	<0.05	mg/L	7/7/2004 / 1:06 AM
Vinyl chloride	0.10	0.2	<0.10	mg/L	7/7/2004 / 1:06 AM

TCLP Semi-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
1,4-Dichlorobenzene	0.05	7.5	<0.05	mg/L	7/8/2004 / 2:07 AM
2,4-Dinitrotoluene	0.05	0.13	<0.05	mg/L	7/8/2004 / 2:07 AM
Hexachlorobutadiene	0.05	0.5	<0.05	mg/L	7/8/2004 / 2:07 AM
Hexachlorobenzene	0.05	0.13	<0.05	mg/L	7/8/2004 / 2:07 AM
Hexachloroethane	0.05	3	<0.05	mg/L	7/8/2004 / 2:07 AM
Nitrobenzene	0.05	2	<0.05	mg/L	7/8/2004 / 2:07 AM
m+p-Cresol	0.05	200	<0.05	mg/L	7/8/2004 / 2:07 AM
o-Cresol	0.05	200	<0.05	mg/L	7/8/2004 / 2:07 AM
Pentachlorophenol	0.50	100	<0.50	mg/L	7/8/2004 / 2:07 AM
Pyridine	0.05	5	<0.05	mg/L	7/8/2004 / 2:07 AM
2,4,5-Trichlorophenol	0.05	400	<0.05	mg/L	7/8/2004 / 2:07 AM

EPAHO102000914

- CERTIFICATE OF RESULTS -

MES Lab#: 4060811

Client Sample ID: TX-HOU-SVC-SO-1-1

Sample Collect Date: 6/29/2004 @ 9:00:00 AM
Sample Receipt Date: 6/29/2004 @ 6:05:00 PM

2,4,6-Trichlorophenol	0.05	2	<0.05	mg/L	7/8/2004 / 2:07 AM

TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: AM Date / Time
Antimony	0.032	1	**0.051**	**mg/L**	7/1/2004 / 1:08 PM
Arsenic	0.050	5	<0.050	mg/L	7/1/2004 / 1:08 PM
Barium	0.002	100	**2.97**	**mg/L**	7/1/2004 / 1:08 PM
Beryllium	0.005	0.08	<0.005	mg/L	7/1/2004 / 1:08 PM
Cadmium	0.004	1	**0.022**	**mg/L**	7/1/2004 / 1:08 PM
Chromium	0.007	5	<0.007	mg/L	7/1/2004 / 1:08 PM
Lead	0.010	5	**0.016**	**mg/L**	7/1/2004 / 1:08 PM
Nickel	0.015	70	**0.239**	**mg/L**	7/1/2004 / 1:08 PM
Selenium	0.050	1	<0.050	mg/L	7/1/2004 / 1:08 PM
Silver	0.006	5	**0.059**	**mg/L**	7/1/2004 / 1:08 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: DCW Date / Time
Mercury	0.005	0.2	<0.005	mg/L	7/2/2004 / 7:11 PM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: AM Date / Time
Hydrogen Cyanide	0.25	<0.25	mg/kg	7/7/2004 / 8:00 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: asmith Date / Time
Hydrogen Sulfide	0.25	**0.45**	**mg/kg**	7/6/2004 / 12:10 PM

Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: OM Date / Time
pH		**7.8**	**pH**	6/30/2004 12:25 PM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: OM Date / Time
Flashpoint		**>150**	**deg F**	7/1/2004 / 6:34 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D Gilmore, Laboratory Director — ***Thursday, July 08, 2004*** **Date**

Report Date: *08-Jul-04* *Page 2 of 2*

4060811

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	95.2
Toluene-d8	104.2
4-Bromofluorobenzene	96.0

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES	% REC
2-Fluorophenol	70.5
Phenol-d6	95.7
Nitrobenzene-d5	117.0
2-Fluorobiphenyl	79.5
2,4,6-Tribromophenol	58.6
p-Terphenyl-d14	42.0

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC
Arsenic	< 0.005	91.6	93.8	2.29	< 0.005	102.0
Barium	< 0.002	97.5	97.5	0.00	< 0.002	101.0
Cadmium	< 0.004	87.5	88.3	0.85	< 0.004	91.2
Chromium	< 0.007	100.8	101.3	0.50	< 0.007	99.3
Lead	< 0.010	94.9	101.5	6.75	< 0.010	107.0
Mercury	< 0.0002	106.0	99.5	6.33	< 0.0002	109.0
Selenium	< 0.005	87.3	89.0	1.99	< 0.005	100.0
Silver	< 0.006	94.0	96.0	2.11	< 0.006	98.5

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: _____ July 8, 2004
Holland D. Gilmore / Laboratory Director

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL SLUDGE
TCEQ Waste Code Number: 0426031

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): ____
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14205
Waste Manifest Number: 3946505
Date of Shipment: 9-13-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 2

Analyst/Sampler: [signature] Date: 9-13-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities:
Safety Related Data/Special Handling:

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14355
Waste Manifest Number: 3946585
Date of Shipment: 9-21-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 2

Analyst/Sampler: [signature] Date: 9-21-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe:
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase):
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list):
  Bulk tank assigned:

Shipment Information

Job Confirmation Number: 14500
Waste Manifest Number: 3946636
Date of Shipment: 9-28-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 1

Analyst/Sampler: [signature] Date: 9-28-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL SLUDGE
TCEQ Waste Code Number: 0426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL O

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15033
Waste Manifest Number: 3947000
Date of Shipment: 10/18/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 4

Analyst/Sampler: [signature] Date: 10/18/05

EPAHO102000920

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: _____

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid _____
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15233
Waste Manifest Number: 3947248
Date of Shipment: 10/26/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: Ken O Petello Date: 10/26/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: OXIDIERS
Safety Related Data/Special Handling: LEVELD

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15375
Waste Manifest Number: 394709
Date of Shipment: 11-01-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 5

Analyst/Sampler: Ben A Patillo Date: 11/01/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OIL SLUDGE
TCEQ Waste Code Number: 0042603I

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6
- Odor: OIL LIKE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLRI
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15625
Waste Manifest Number: 3947392
Date of Shipment: 11-9-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 8

Analyst/Samplers: [signature] Date: 11-9-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB-1
- Bulk process code assigned (see list): N/A
  Bulk tank assigned: N/A

Shipment Information

Job Confirmation Number: 15827
Waste Manifest Number: 3947456
Date of Shipment: 11/15/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 3

Analyst/Sampler: ____ Date: 11/16/05

EPAHO102000924

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid X Solid / Sludge X
  Multiphase Liquid _____ Solid _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 8.
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable) AC
- Drum process code(s) assigned (see list): ~~0700~~ MLB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15980
Waste Manifest Number: 3947550
Date of Shipment: 11/18/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 4

Analyst/Sampler: _____ Date: 11/18/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid ____ Solid X
  Multiphase Liquid ____ Solid ____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): ____
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB-1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16051
Waste Manifest Number: 3947573
Date of Shipment: 11/22/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 03

Analyst/Sampler: [signature] Date: 11/22/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 04026031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16182
Waste Manifest Number: 3256468
Date of Shipment: 11/29/05
Container Type (i.e. drum, tote, etc.): PRVMS
Quantity: 04

Analyst/Sampler: _____ Date: 11/29/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 09426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GRAY
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16358
Waste Manifest Number: 395656
Date of Shipment: 12/06/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 01

Analyst/Sampler: _____ Date: 12/06/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BROWN / BLACK
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid X Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 5.0
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): (4) MLB- (4) O/W
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16553
Waste Manifest Number: 3956642
Date of Shipment: 12/13/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: ~~4~~ 8

Analyst/Sampler: [signature] Date: 12/13/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTL'
Address: 16740 HARDY STREET
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BROWN / BLACK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB-1 (3) O/W(5)
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16795
Waste Manifest Number: 3956815
Date of Shipment: 12/20/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 8

Analyst/Sampler: [signature] Date: 12/20/05

EPAHO102000930

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16915
Waste Manifest Number: 3956869
Date of Shipment: 12/27/05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 04

Analyst/Sampler: CA Date: 12/20/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1120

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: OILY SLUDGE
TCEQ Waste Code Number: 00426031

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: OILY
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB-1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 17091
Waste Manifest Number: 3956984
Date of Shipment: 01/03/06
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 05

Analyst/Sampler: ____ Date: 01/03/06

Bill Swain
281·233·5654

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1120**

Waste Generator: **Smith International**

Waste Stream Name: **Oily Sludges**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

S.I.
Company

EPAHO102000933

Bill Swain
281·233·5054

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1120**

Waste Generator: **Smith International**

Waste Stream Name: **Oily Sludges**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

Si!
Company

EPAHO102000934

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 #: **1120**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **Oily Sludges**

Expiration Date: **9/8/2008**

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

Tyra Garaci
Customer Name

Signature

Smith International Inc Facility HSE Spec.
Company / Title

09/03/08
Date

✓

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-1120**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **Oily Sludges**

Expiration Date: **9/8/2007**

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

Tyra Garacci
Customer Name

Signature

Smith International Inc.
Company / Title Facility HSE Specialist

03/12/09
Date

Total P.001

Smith International 1119
Profile # 1119

EPAHO102000937

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/8/2005**

Dear **Bill Swain**

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 # 1119

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

TO BE SENT TO BFI ONLY

Waste Information

Name of Waste: Water Based Paint
TCEQ Waste Code #: 00436041
Container Type: Drum
Detailed Description of Process Generating Waste:
Unused water based paint and water from cleaning up of paint equipment
Color: Mostly Green **Odor:** None **pH:** Neutral
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Smith International, Inc		
Address:	16740 Hardy Street		
City, State, Zip:	Houston, TX 77032		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601
24/hr Phone:	281-443-3370		
U.S. EPA I.D. No:	TXD000729426		
State I.D.	30682	**SIC Code:**	3533; 1389

SECTION 2: Billing Information – ☐ Same as Above

Company:	Smith International, Inc		
Address:	P.O. Box 60068		
City, State, Zip:	Houston, TX 77205		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601

SECTION 3: General Description of the Waste

Name of Waste: Water Based Paint
Detailed Description of Process Generating Waste: Unused water based paint and water from cleaning up of paint equipment

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

Color: Mostly Green **Odor:** none

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): 10 **Other:** _____
Texas State Waste Code No: 00436041
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
>200	neutral	0mg/l	0mg/l	0-50%

Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	0mg/l	0mg/l	0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water Based Paint and Rinse Water	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.
Analysis and 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: ____
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: Bill Swain **Date:** 9-7-05

Printed Name/Title: Bill Swain / Environmental Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rakhshan Khagram

Date: 9-8-05 Approved Rejected

Approval Number: 1119

Additional Information: To be sent to BFI only

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.

SMITH INTERNATIONAL, INC.
P.O. Box 60068 Houston, TX 77205

August 31, 2005

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
Attn: Gary Brauckman

Re: Water-based paint waste analytical report

Gary,

Attached is the analytical report for our waste stream, Water-based Paint, dated February 3, 2005. The report shows a concentration of 69.40 mg/L of Trichloroethylene, which made the particular drum containing this waste hazardous. All of the other parameters were either very low or non-detectible.

This was an isolated event that occurred because a paint spray nozzle was cleaned with a degreaser that contained Trichloroethylene, and the degreaser ended up in the waste paint drum. The degreaser is no longer used to clean the spray nozzle. Now, only water is used to clean the paint spray nozzle.

Please feel free to contact me if you have any further questions regarding this matter.

Sincerely,

Bill Swain

Bill Swain
Hardy Street Environmental Coordinator
Smith International, Inc
281-233-5654

Attachment

Cc: File

LABORATORY ANALYSIS REPORT

A & B Environmental Services, Inc.
10100 East Freeway, Suite 100
Houston, TX 77029

Report Date: 2/3/2005
Total No. Pages: 9

Client Project ID

2094-05-071 Smith International, 16740 Hardy Rd.

USA Environment, L.P.
Attn: Mike Cooper
10234 Lucore Street
Houston, TX 77017

Client PO #:
Date Received: 1/28/2005 18:10
Collected by: Mike Cooper

A & B Labs has analyzed the following samples . . .

Client Sample ID	A&B Job Sample ID
Water Based Paint	69366-01

Thank you for choosing A & B Labs.

Approved By: Mindy Klender

Date: 2-3-05

Title: Project Manager

This report cannot be reproduced, except in full, without prior written permission of A & B Labs. Results shown relate only to the items tested.

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 JOB ID 69366

5. Project # 2094-05-071

1. REPORT TO:
Company: USA Environment
Address:
Contact: Mike Cooper
Phone:
Fax: ☐
E-mail: ☐

2. INVOICE TO:
Company: Same
Address:
Contact:
Phone:
Fax: ☐
E-mail: ☐

3. PO#

4. Turnaround Time (Business Days)
☐ Same Day* ☐ Need by
☐ 1 Day* Std (5-day)
☐ 2 Days*
☐ 3 Days*
☐ 7 Days *Surcharge applies

6. Project Name / Location: Smith International, 16740 Hardy Rd.

7. Special Instructions (PLEASE PRINT)
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached

8. Sampler's Name & Company (PLEASE PRINT): Mike Cooper
Sampler's Signature & Date: Mike Cooper 1/28/04

13. No. of Containers
14. Containers*
15. Preservatives**
16. Analyses/Methods: TCLP & Metals; TCLP Semi-Volatiles; TCLP Volatiles; RCI

LAB USE ONLY	Item	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix Water	Soil	Sludge	Oil	Air	Other	TCLP & Metals	TCLP Semi-Volatiles	TCLP Volatiles	RCI				17. REMARKS
.01	1	Water Based Paint	1/28/05		✓		✓						✓	✓	✓	✓				
	2																			
	3																			
	4																			
	5																			
	6																			
	7																			
	8																			
	9																			
	10																			

	18. RELINQUISHED BY	DATE	TIME	19. RECEIVED BY	DATE	TIME
1	Siobhan M. LeRoy	1/28/05	16:02	Ramon S. Zabak	1/28/05	16:02
2	Ramon S. Zabak	1/28/05	18:10	[illegible]	1/28/05	18:10
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; DH - NaOH; H - HCl; T - $Na_2S_2O_3$; N - HNO_3; X - Other; S - H_2SO_4

METHOD OF SHIPMENT

BILL OF LADING / TRACKING #

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

Lab ID#: **69366**	Date Received: **January 28, 2005**	Time Received: **6:10 PM**
Company Name: **USA Environment**		
Project: **2094-05-071 Smith International 16740 Hardy Rd.**		
Temperature: **4°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.	Samples were received in appropriate container(s)	X	
10.	All samples were tagged 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/problems:

Matrix = Water Based Paint

Check in by/date: **1/28/05 RG**

LIMS log in by/date: **1/28/05 MG**

EPAHO102000946

LABORATORY TEST RESULTS

A&B Job ID: 69366 Date: 02/03/05

CLIENT: USA Environment, L.P. PROJECT: 2094-05-071 Smith International, 16740 Ha ATTN: Mike Cooper

Client Sample ID: Water Based Paint
Date Collected: 1/28/2005
Time Collected:
Sample Loc./Other Info:

A&B Job Sample ID: 69366-01
Sample Matrix: Water Based Paint

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date	Time	Analyst
SW-846 1010	**Ignitability**									
	Flashpoint	>150	°F	1				01/31	11:00	DS
SW-846 9045										
	pH	8.66	pH units	1				01/31	10:50	DS
SW-846 7.3	**Reactivity**									
	Reactive Cyanide	BRL	mg/Kg	1	25			02/01	10:00	DS
	Reactive Sulfide	BRL	mg/Kg	1	25			01/31	16:00	DS
SW-846 6010B	**TCLP Metals**									
	Arsenic	BRL	mg/L	1	0.1	1.8		02/02	17:52	SEC
	Barium	0.54	mg/L	1	0.1	100		02/02	17:52	SEC
	Cadmium	BRL	mg/L	1	0.1	0.5		02/02	17:52	SEC
	Chromium	BRL	mg/L	1	0.1	5		02/02	17:52	SEC
	Lead	BRL	mg/L	1	0.1	1.5		02/02	17:52	SEC
	Selenium	BRL	mg/L	1	0.5	1		02/02	17:52	SEC
	Silver	BRL	mg/L	1	0.1	5		02/02	17:52	SEC
SW-846 7470A	**TCLP Mercury**									
	Mercury	BRL	mg/L	1	0.002	0.2		02/01	13:45	SEC
SW-846 8260B	**TCLP Volatiles**									
	1,1-Dichloroethylene	BRL	mg/L	2	0.26	0.7		02/01	13:17	YZ
	1,2-Dichloroethane	BRL	mg/L	2	0.26	0.5		02/01	13:17	YZ
	1,4-Dichlorobenzene	BRL	mg/L	2	0.3	7.5		02/01	13:17	YZ
	Benzene	BRL	mg/L	2	0.26	0.5		02/01	13:17	YZ
	Carbon Tetrachloride	BRL	mg/L	2	0.26	0.5		02/01	13:17	YZ
	Chlorobenzene	BRL	mg/L	2	0.3	70		02/01	13:17	YZ
	Chloroform	BRL	mg/L	2	2.5	6		02/01	13:17	YZ
	MEK (2-Butanone)	BRL	mg/L	2	30	200		02/01	13:17	YZ
	Tetrachloroethylene	BRL	mg/L	2	0.3	0.7		02/01	13:17	YZ
	Trichloroethylene	69.40	mg/L	50	6.5	0.5		02/01	13:17	YZ
	Vinyl Chloride	BRL	mg/L	2	0.2	0.2		02/01	13:17	YZ
SW-846 8270C	**TCLP Semivolatiles**									
	1,4-Dichlorobenzene	BRL	mg/L	2.5	0.125	7.5		02/01	20:04	HG
	2,4-Dinitrotoluene	BRL	mg/L	2.5	0.063	0.13		02/01	20:04	HG
	Hexachlorobenzene	BRL	mg/L	2.5	0.063	0.13		02/01	20:04	HG
	Hexachlorobutadiene	BRL	mg/L	2.5	0.125	0.4		02/01	20:04	HG
	Hexachloroethane	BRL	mg/L	2.5	0.125	3		02/01	20:04	HG
	2-Methylphenol	BRL	mg/L	2.5	0.125	200		02/01	20:04	HG
	3- & 4-Methylphenols	BRL	mg/L	2.5	0.125	200		02/01	20:04	HG
	Nitrobenzene	BRL	mg/L	2.5	0.125	2		02/01	20:04	HG
	Pentachlorophenol	BRL	mg/L	2.5	1.25	100		02/01	20:04	HG
	Pyridine	BRL	mg/L	2.5	1.25	4		02/01	20:04	HG
	2,4,5-Trichlorophenol	BRL	mg/L	2.5	0.125	400		02/01	20:04	HG
	2,4,6-Trichlorophenol	BRL	mg/L	2.5	0.125	2		02/01	20:04	HG

** BRL - Below Reporting Limit

EPAHO102000947

A & B Environmental Services, Inc.
10100 East Freeway, Suite 100
Houston, Texas 77029

SAMPLE SURROGATE RECOVERY REPORT

Report Date: 2/3/2005

A&B Job ID: 69366

Parameter	Method	CAS #	Spike Added	Spike Result	D.F.	%Rec	% Rec CLIMIT	Analysis DateTime	Analyst	A&B Job Sample ID	Q
Dibromofluoromethane (Surrogate)	SW-846 8260B	1868-53-7	100	115.3	2	115	70-146	2/1/05 13:17	Yzhang	69366-01	
Toluene-d8 (Surrogate)	SW-846 8260B	2037-26-5	100	85.8	2	85.8	70-125			69366-01	
p-Bromofluorobenzene (Surrogate)	SW-846 8260B	460-00-4	100	97.2	2	97.2	71-125			69366-01	
1,2-Dichloroethane-d4 (Surrogate)	SW-846 8260B	107-06-2	100	111.6	2	112	75-125			69366-01	
2-Fluorophenol (Surrogate)	SW-846 8270C	367-12-4	100	12.40	2.5	12.4	20-115	2/1/05 20:04	Hgoolia	69366-01	JM
Phenol-d6 (Surrogate)	SW-846 8270C	13127-88-3	100	0.44	2.5	0.44	15-120			69366-01	JM
Nitrobenzene-d5 (Surrogate)	SW-846 8270C	4165-60-0	100	30.91	2.5	30.9	20-120			69366-01	
2-Fluorobiphenyl (Surrogate)	SW-846 8270C	321-60-8	100	29.05	2.5	29.1	30-115			69366-01	JM
2,4,6-Tribromophenol (Surrogate)	SW-846 8270C	118-79-6	100	8.84	2.5	8.84	10-120			69366-01	JM
Terphenyl-d14 (Surrogate)	SW-846 8270C	1718-51-0	100	22.08	2.5	22.1	30-140			69366-01	JM

JM-Surrogate is outside of recovery control limits due to matrix effects.

EPAHO10200948

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 2/3/2005

A&B Job ID: 69366

QCType: Duplicate Paramter	Method	QCSapl Result	Dup Result	RPD	RPD CLimits		QCBatchID	QC SampleID	Qual.
Flashpoint	SW-846 1010	>150	>150	0	<20		Q013105fpta	69357-01	
pH	SW-846 9045	10.27	10.27	0	<20		Q013105pHa	69357-01	
Reactive Cyanide	SW-846 7.3	BRL	BRL	0	<20		Q020105rcyna	69357-01	
Reactive Sulfide	SW-846 7.3	BRL	BRL	0	<20		Q020105rsula	69357-01	

QCType: LCS and LCSD Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID		Qual
Flashpoint	SW-846 1010		83	85	84	102	101	1.2	<20	75-125	Q013105fpta		
pH	SW-846 9045		4	4.00		100			<20	80-120	Q013105pHa		
Reactive Cyanide	SW-846 7.3		0.5	0.52	0.50	104	100	3.9	<20	40-120	Q020105rcyna		
Reactive Sulfide	SW-846 7.3		960	960	900	100	94	6.5	<20	40-120	Q020105rsula		
Arsenic	SW-846 6010B		1	0.90	0.94	90	94	4.3	<25	80-120	Q020205mt		
Barium	SW-846 6010B		1	0.89	0.89	89	89	0.0	<25	80-120	Q020205mt		
Cadmium	SW-846 6010B		1	0.98	0.97	98	97	1.0	<25	80-120	Q020205mt		
Chromium	SW-846 6010B		1	0.98	0.95	96	95	1.0	<25	80-120	Q020205mt		
Lead	SW-846 6010B		1	0.95	0.94	95	94	1.1	<25	80-120	Q020205mt		
Selenium	SW-846 6010B		1	0.99	0.98	99	98	1.0	<25	80-120	Q020205mt		
Silver	SW-846 6010B		1	1.02	1.01	102	101	1.0	<25	80-120	Q020205mt		
Mercury	SW-846 7470A		0.005	0.0053		106			<35	71-143	Q020105hgt		
1,1-Dichloroethylene	SW-846 8260B		0.5	0.5204	0.5283	104	106	1.5	<35	70-130	q020105voc2a		
Benzene	SW-846 8260B		0.5	0.5779	0.5474	116	109	5.4	<35	70-130	q020105voc2a		
Chlorobenzene	SW-846 8260B		0.5	0.5466	0.5547	109	111	1.5	<35	70-130	q020105voc2a		
Trichloroethylene	SW-846 8260B		0.5	0.5744	0.5370	115	107	6.7	<35	70-130	q020105voc2a		

** BRL-Below Reporting Limit

EPAHO102000949

FEB-08-2005 15:15 USA Environment L.P. 713 425 6956 P.05

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 2/3/2005

A&B Job ID: 69366

QCType: LCS and LCSD

Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID		Qual
2-Methylphenol	SW-846 8270C		0.25	0.1584	0.1617	63.4	65	2.1	<35	20-92	q020105sv4		
Hexachloroethane	SW-846 8270C		0.25	0.1350	0.1262	54	50	6.7	<35	26-98	q020105sv4		
3- & 4-Methylphenols	SW-846 8270C		0.5	0.3102	0.3323	62.0	66	6.9	<35	20-85	q020105sv4		
Nitrobenzene	SW-846 8270C		0.25	0.1854	0.1709	74.2	68	8.1	<35	31-102	q020105sv4		
Hexachlorobutadiene	SW-846 8270C		0.25	0.1340	0.1171	53.6	47	13.5	<35	26-89	q020105sv4		
2,4,6-Trichlorophenol	SW-846 8270C		0.25	0.1609	0.1452	64.4	58	10.3	<35	24-104	q020105sv4		
2,4,5-Trichlorophenol	SW-846 8270C		0.25	0.1393	0.1171	55.7	47	17.3	<35	30-107	q020105sv4		
Hexachlorobenzene	SW-846 8270C		0.25	0.1226	0.1044	49.0	42	16.0	<35	34-130	q020105sv4		
1,4-Dichlorobenzene	SW-846 8270C		0.25	0.1600	0.1419	64	57	12.0	<35	28-99	q020105sv4		
2,4-Dinitrotoluene	SW-846 8270C		0.25	0.1716	0.1560	68.6	62	9.5	<35	25-112	q020105sv4		

QCType: MS and MSD

Parameter	Method	QCSapl Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD	RPD CLimits	%Rec CLimits	QCBatchID	QC SamplelD	Qual
Arsenic	SW-846 6010B	BRL	2	1.88	1.85	94	93	1.6	<30	45-138	Q020205mt	69357-01	
Barium	SW-846 6010B	0.15	2	1.86	1.84	86	85	1.2	<25	39-135	Q020205mt	69357-01	
Cadmium	SW-846 6010B	BRL	2	1.90	1.88	95	94	1.1	<25	56-125	Q020205mt	69357-01	
Chromium	SW-846 6010B	BRL	2	1.90	1.89	95	95	0.5	<25	52-125	Q020205mt	69357-01	
Lead	SW-846 6010B	BRL	2	1.77	1.75	89	88	1.1	<25	55-125	Q020205mt	69357-01	
Selenium	SW-846 6010B	BRL	2	2.06	2.04	103	102	1.0	<25	18-137	Q020205mt	69357-01	
Silver	SW-846 6010B	BRL	2	2.10	2.06	105	103	1.9	<25	28-148	Q020205mt	69357-01	
Mercury	SW-846 7470A	BRL	0.01	0.0108	0.0109	108	109	0.9	<35	61-175	Q020105hgt	69268-01	

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Reactive Cyanide	SW-846 7.3		BRL	mg/Kg	1	25	Q020105rcyna	Reactivity	

** BRL-Below Reporting Limit

Sep 01 05 08:22a James Holston 2812335601 P.14

EPAHO10200950

FEB-08-2005 15:15 USA Environment L.P. 713 425 6956 P.07

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 2/3/2005

A&B Job ID: 69366

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Reactive Sulfide	SW-846 7.3		BRL	mg/Kg	1	25	Q020105rsula	Reactivity	
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1	0.1	Q020205mt	TCLP Metals	
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q020205mt	TCLP Metals	
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q020205mt	TCLP Metals	
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q020205mt	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q020205mt	TCLP Metals	
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q020205mt	TCLP Metals	
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q020205mt	TCLP Metals	
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q020105hgt	TCLP Mercury	
1,1-Dichloroethylene	SW-846 8260B	75-35-4	BRL	mg/L	1	0.13	q020105voc2a	TCLP Volatiles	
1,2-Dichloroethane	SW-846 8260B	107-06-2	BRL	mg/L	1	0.13	q020105voc2a	TCLP Volatiles	
1,4-Dichlorobenzene	SW-846 8260B	106-46-7	BRL	mg/L	1	0.15	q020105voc2a	TCLP Volatiles	
Benzene	SW-846 8260B	71-43-2	BRL	mg/L	1	0.13	q020105voc2a	TCLP Volatiles	
Carbon Tetrachloride	SW-846 8260B	56-23-5	BRL	mg/L	1	0.13	q020105voc2a	TCLP Volatiles	
Chlorobenzene	SW-846 8260B	108-90-7	BRL	mg/L	1	0.15	q020105voc2a	TCLP Volatiles	
Chloroform	SW-846 8260B	67-66-3	BRL	mg/L	1	1.25	q020105voc2a	TCLP Volatiles	
MEK (2-Butanone)	SW-846 8260B	78-93-3	BRL	mg/L	1	15	q020105voc2a	TCLP Volatiles	
Tetrachloroethylene	SW-846 8260B	127-18-4	BRL	mg/L	1	0.15	q020105voc2a	TCLP Volatiles	
Trichloroethylene	SW-846 8260B	79-01-6	BRL	mg/L	1	0.13	q020105voc2a	TCLP Volatiles	
Vinyl Chloride	SW-846 8260B	75-01-4	BRL	mg/L	1	0.1	q020105voc2a	TCLP Volatiles	
1,4-Dichlorobenzene	SW-846 8270C	106-46-7	BRL	mg/L	1	0.05	q020105sv4	TCLP Semivolatiles	
2,4-Dinitrotoluene	SW-846 8270C	121-14-2	BRL	mg/L	1	0.025	q020105sv4	TCLP Semivolatiles	
Hexachlorobenzene	SW-846 8270C	118-74-1	BRL	mg/L	1	0.025	q020105sv4	TCLP Semivolatiles	
Hexachlorobutadiene	SW-846 8270C	87-68-3	BRL	mg/L	1	0.05	q020105sv4	TCLP Semivolatiles	
Hexachloroethane	SW-846 8270C	67-72-1	BRL	mg/L	1	0.05	q020105sv4	TCLP Semivolatiles	
2-Methylphenol	SW-846 8270C	95-48-7	BRL	mg/L	1	0.05	q020105sv4	TCLP Semivolatiles	
3- & 4-Methylphenols	SW-846 8270C		BRL	mg/L	1	0.05	q020105sv4	TCLP Semivolatiles	
Nitrobenzene	SW-846 8270C	98-95-3	BRL	mg/L	1	0.05	q020105sv4	TCLP Semivolatiles	

** BRL-Below Reporting Limit

Sep 01 05 08:23a James Holston 2812335601 P.15

EPAHO10200951

A & B Environmental Services, Inc.
10100 East Freeway
Houston, Texas 77029

QUALITY CONTROL CERTIFICATE

Report Date: 2/3/2005

A&B Job ID: 69366

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Pentachlorophenol	SW-846 8270C	87-86-5	BRL	mg/L	1	0.5	q020105sv4	TCLP Semivolatiles	
Pyridine	SW-846 8270C	110-86-1	BRL	mg/L	1	0.5	q020105sv4	TCLP Semivolatiles	
2,4,5-Trichlorophenol	SW-846 8270C	95-95-4	BRL	mg/L	1	0.05	q020105sv4	TCLP Semivolatiles	
2,4,6-Trichlorophenol	SW-846 8270C	88-06-2	BRL	mg/L	1	0.05	q020105sv4	TCLP Semivolatiles	

** BRL-Below Reporting Limit

EPAHO102000952

CHAIN OF CUSTODY & ANALYSIS REQUEST

SAMPLERS: Bill Swain Louis Beverage (SIGNATURES): [signature] Bill Swain

PROJECT NO.: TX760-SVC
PROJECT NAME: SVC Ctr Sump Sludge
NO. OF (2) CONTAINERS

SUBMITTER: Bill Swain ~~Smith Tech Inc~~
COMPANY: Smith International
ADDRESS: P.O. Box 60066
Houston, TX 77205-0066
TELEPHONE: 281-233-5654 FAX: 281-233-

Sample No.	Date Sampled	Time Sampled	G or C	Sample Desc. Matrix (1)	VOA	1 litre	500 ml	250 ml	p/o	TCLP VOC	TCLP SVOC	TCLP Metals	RCI					Preserv(3)	Lab ID	Remarks
TX-760-SVC-1-1	6/30/04		C	.51			2	1		✓	✓	✓	✓					I		Std 5 DAYS

Relinquished by (Signature)	Date Time	Rec'd by (Signature)
Bill Swain	6-29-04 / 0900	[signature]
Relinquished by (Signature)	Date Time	Rec'd by (Signature)
[signature]	6-29-04 1600	[signature]
Relinquished by (Signature)	Date Time	Rec'd @ Lab by (Signature)
[signature]	6-29-04 1805	[signature]

Results To: Bill Swain
Company: Smith International, Inc.
Address: P.O. Box 60066
Houston, TX 77205-0066
Fax Results To: Bill Swain (281-233-5600) Mike Cooper 283-825-[illegible]
Special Hazards: None - high TPH 5670

(1) Matrix - Water, Waste Water, Liquid, Oil, SoliD, Sludge, Air Bag, Charcoal Tube
(2) Container - VOA - 40ml vial, Glass, Clear, Amber, Wide mouth, Small mouth, Plastic or Other
(3) Preservative - Ice, Nitric, Sulphuric, NaOH

excel/risk/chain.xls 94

Smith International - Green Water based paint

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

(b) (4)

[redacted]

(b) (4)

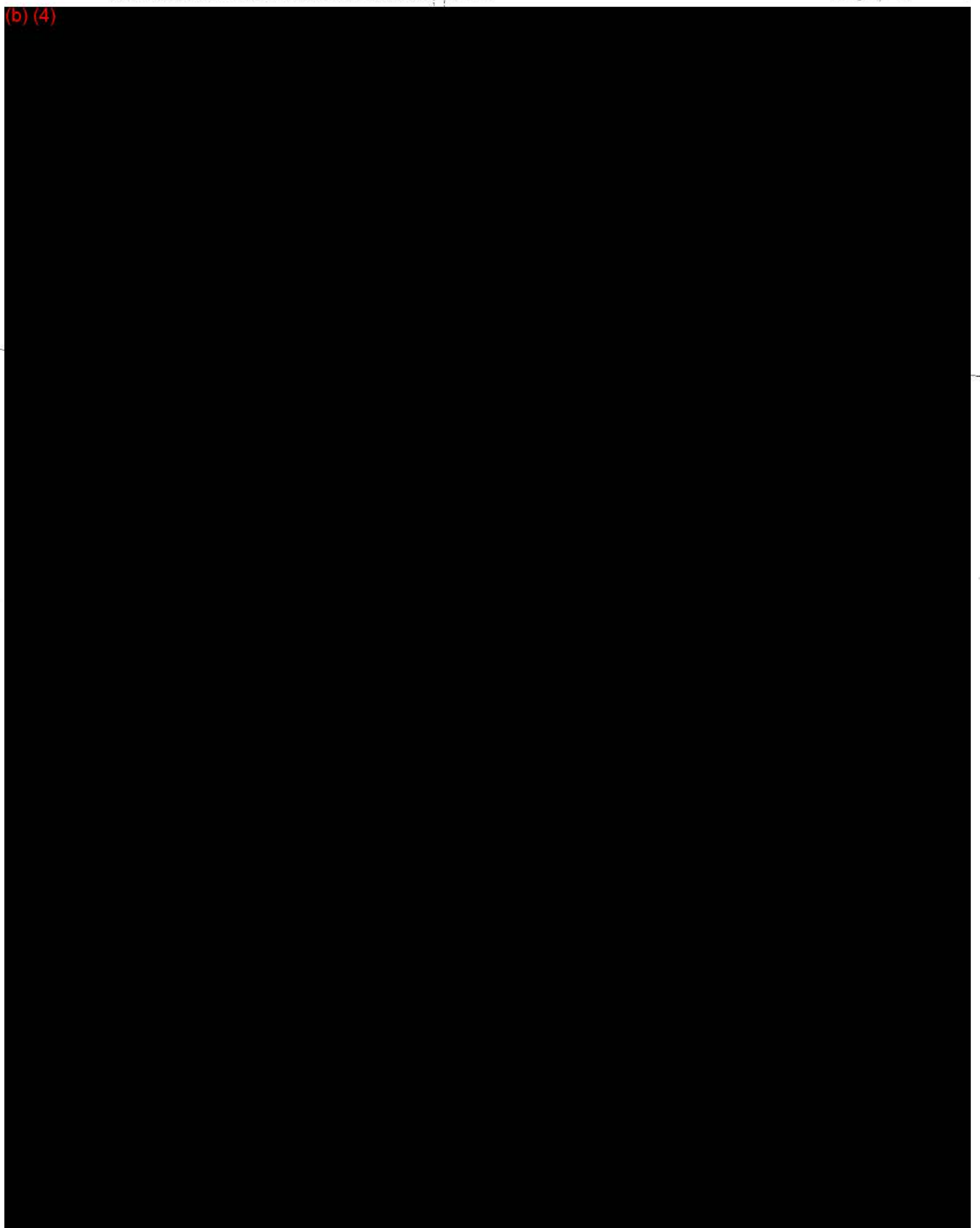
[redacted]

(b) (4)

[redacted]

(b) (4)

[redacted]



(b) (4)

[redacted]

RUST-OLEUM

RUST-OLEUM® INDUSTRIAL DTM ACRYLIC ENAMEL

formerly Rust-O-Crylic® 3700 System Hi-Lo DTM™ Acrylic Enamel

DESCRIPTION AND USES

A low-VOC, water based acrylic finish for indoor or outdoor direct-to-metal (DTM) applications, suitable for use in conditions of high relative humidity and/or low temperatures.

This break-through direct-to-metal (DTM) coating is designed for use wherever a traditional solvent-based enamel can be used. It offers protection to metal, concrete and masonry in high humidity climates (without flash rusting), and can be applied at low temperatures (down to 35°F / 2°C). It offers excellent gloss retention and resistance to weathering, chemical fumes and spills.

PRODUCTS

READY-MIXED GLOSS FINISHES

1 Gallon	5 Gallon	Description
3737402	N/A	Forest Green
3771402	N/A	Dunes Tan
3777402	N/A	Chestnut Brown
3779402	3779300	Gloss Black
3782402	N/A	Silver Gray
3786402	N/A	Navy Gray
3792402	3792300	Gloss White
3725402	N/A	Blue
3744402	3744300	Safety Yellow
3764402	N/A	Safety Red

TINT BASES

1 Gallon	5 Gallon	Description
3707411	3707391	Massstone Base
3708418	3708394	Deep Base
3709418	3709397	Light Base

The tint bases use the Rust-Oleum Water-Based Colorants.

COMPANION PRODUCTS

PRIMER

1 Gallon	5 Gallon	Description
3769402	3769300	Red Primer
3781402	3781300	Gray Primer

PRODUCT APPLICATION

SURFACE PREPARATION

ALL SURFACES: Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Pure Strength® Cleaner/Degreaser Item #3596402, or other suitable cleaner. Mold and mildew must be cleaned with a chlorinated cleaner or bleach solution. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove loose rust, mill scale, and deteriorated previous coatings. Abrasive blasting to a minimum Commercial Grade (SSPC-SP-6, NACE 3) with a 1-2 mil (25-50µ) surface profile is recommended for optimal performance. Abrasive blast cleaned steel requires two coats.

CONCRETE AND MASONRY: Hand or power tool clean to remove all loose or unsound concrete, masonry, or previous coating. Very dense, non-porous concrete should be acid etched or abrasive blasted to remove the laitance layer and create a surface profile. Allow new concrete to cure for 30 days before coating.

PREVIOUSLY COATED: Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. The Rust-Oleum Industrial DTM Acrylic Enamel is compatible with most coatings, but a test patch is suggested. Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause adverse effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD.

Form 240 95C
Rev 0402
Printed in USA

AUG 25 2003 8:33 AM FR WILSON PURCHASING 287 3455 TO 92812333399 P.07

EPAHO102000959

RUST-OLEUM

TECHNICAL DATA

RUST-OLEUM ACRYLIC ENAMELS

PRODUCT APPLICATION (CONTINUED)

EQUIPMENT RECOMMENDATIONS

(Comparable equipment also suitable.)

BRUSH: Use a good quality synthetic bristle brush.

ROLLER: Use a good quality lamb's wool or synthetic fiber (3/8–1/2" nap).

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	0.055–.070	12–16 oz/min	40–60 psi
Siphon	0.055–.070	—	40–60 psi
HVLP Various (Air cap for highest pressure)	0.043–.070	8–10 oz/min	10 psi (at Tip)

AIRLESS SPRAY:

Pump Ratio	Fluid Pressure	Fluid Tip	Filter Mesh
30:1	2,000–3,000 psi	0.013–0.017	100

THINNING

BRUSH/ROLLER: Normally not required. When necessary, thin with fresh water.

AIR ATOMIZED SPRAY: Up to 1 pint per gallon.

AIRLESS SPRAY: Up to 1/2 pint per gallon.

APPLICATION

APPLICATION: Apply only when the air and surface temperatures are between 35–100°F (2–38°C) and the surface temperature is at least 5°F (3°C) above the dew point. The relative humidity should not be greater than 95%.

CLEAN-UP

BRUSH / ROLLER: Use soap and water immediately after use.

SPRAY: IMMEDIATELY flush spray lines with water, followed by Rust-Oleum thinner 160402 or Pure Strength® Cleaner / Degreaser.

PERFORMANCE CHARACTERISTICS

PENCIL HARDNESS
Method: ASTM D3363
Result: H

CONICAL FLEXIBILITY
Method: ASTM D-522
Result: >33%

CYCLIC PROHESION Rating 1-10 10=best
Method: ASTM D5894, 2 cycles, 672 hours
Result: 10 per ASTM D714 or blistering
Result: 8 per ASTM D1654 for corrosion

IMPACT RESISTANCE – Direct /Reverse
Method: ASTM D-2794
Result: >160/>160

ACCELERATED WEATHERING (% gloss retention)
Method: ASTM D4587, QUV Type A Bulb, 450 hours
Result: 87% retention (color-black)

TABER ABRASION
Method: ASTM D-4060 CS17 Wheels, 500g load / 1000 cycles
Result: 42 mg loss

For chemical and corrosion resistance see page 4 of the Rust-Oleum Industrial Brands catalog Form #206275.

AUG 25 2003 8:33 AM FR WILSON PURCHASING 237 3455 TO 92812335399 P.08

EPAHO102000960

RUST-OLEUM

TECHNICAL DATA

RUST-OLEUM ACRYLIC ENAMELS

PHYSICAL PROPERTIES

		READY-MIXED FINISHES	MASSTONE TINT BASE	DEEP TINT BASE	LIGHT TINT BASE
Resin Type		Acrylic Dispersion	Acrylic Dispersion	Acrylic Dispersion	Acrylic Dispersion
Pigment Type		Varies with color	Varies with color	Varies with color	Varies with color
Solvents		Water, propylene glycol	Water, propylene glycol	Water, propylene glycol	Water, propylene glycol
Volatile Organic Compounds		< 250 g/L (2.08 lbs./gal.) activated	< 250 g/L (2.08 lbs./gal.) activated	< 250 g/L (2.08 lbs./gal.) activated	< 250 g/L (2.08 lbs./gal.) activated
Weight	Per Gallon	10.0 lbs.	8.5 lbs.	9.4 lbs.	10.0 lbs.
	Per Liter	4.6 Kg	3.9 Kg	4.3 Kg	4.5 Kg
Solids	By Weight	50.0% +/- 1	37.8%	45.5%	49.3%
	By Volume	39.0% +/- 1	36.0%	38.1%	38.4%
Recommended Dry Film Thickness (DFT) Per Coat		2.0-3.0 mils (50-75μ)	2.0-3.0 mils (50-75μ)	2.0-3.0 mils (50-75μ)	2.0-3.0 mils (37.5-62.0 μ)
Wet Film to Achieve DFT (unthinned material)		5.0-8.0 mils (125-200 μ)	5.5-8.5 mils (112.5-212.5 μ)	5.0-8.0 mils (125-200 μ)	5.0-8.0 mils (125-200 μ)
Theoretical Coverage at 1 mil DFT (25 μ)		609-640 sq. ft./gal. (15-15.7 m²/L)	577 sq. ft./gal. (14.2 m²/L)	612 sq. ft./gal. (15 m²/L)	615 sq. ft./gal. (15.1 m²/L)
Practical Coverage at Recommended DFT (assumes 15% material loss)		170-270 sq. ft./gal. (4.2-6.6 m²/L)	160-245 sq. ft./gal. (3.9-6.0 m²/L)	170-260 sq. ft./gal. (4.2-6.4 m²/L)	175-255 sq. ft./gal. (4.3-6.5 m²/L)
Dry Times at 70°-80° F (21°-27° C) and 50% Relative Humidity	Tack-free	1-2 hours	1-2 hours	1-2 hours	1-2 hours
	Handle	2-4 hours	2-4 hours	2-4 hours	2-4 hours
	Recoat	1-3 hours	1-3 hours	1-3 hours	1-3 hours
Dry Heat Resistance		200° F (93° C)	200° F (93° C)	200° F (93° C)	200° F (93° C)
Shelf Life		5 years	5 years	5 years	5 years
Specification and Performance Alternatives		Can be used in USDA - regulated facilities based on FSIS Directive 11,000.4 (Rev. 4), November 24, 1995. Agriculture Canada accepted.			
Safety Information	Flash Point	N/A	N/A	N/A	N/A
	Contains	Lead-free	Lead-free	Lead-free	Lead-free
	Warning!	PROTECT FROM FREEZING. CAUTION! MAY CAUSE EYE AND SKIN IRRITATION. FOR INDUSTRIAL AND COMMERCIAL USE ONLY. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.			

Calculated values are shown and may vary slightly from the actual manufactured material.

Form: 2101990
Rev 0/02
Printed in USA

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.

AUG 25 2003 8:34 AM FR WILSON PURCHASING13 237 3455 TO 92812383399 P.10

EPAHO102000962

* * * TRANSMISSION RESULT REPORT (AUG.25.2003 8:42AM) * * *

TTI SMITH INTERNATIONAL

DATE	TIME	ADDRESS	MODE	TIME	PAGE	RESULT	PERS. NAME	FILE
AUG.25.	8:42AM	SDCS LOGISTICS	TES	0'36"	P. 2	OK		674

# : BATCH	C : CONFIDENTIAL	$: TRANSFER	P : POLLING
M : MEMORY	L : SEND LATER	@ : FORWARDING	E : ECM
S : STANDARD	D : DETAIL	F : FINE	> : REDUCTION

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1119

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: WATE BASE PAINT
TCEQ Waste Code Number: 00436041

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GREEN
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14356
Waste Manifest Number: 3946609
Date of Shipment: 9-21-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 1

Analyst/Sampler: [signature] Date: 9-21-05

EPAHO102000964

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1119

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: WATER BASE PAINT
TCEQ Waste Code Number: 00436041

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GREEN LIQUID
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB 1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14501
Waste Manifest Number: 3946637
Date of Shipment: 9-28-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: ____

Analyst/Sampler: [signature] Date: 9-28-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1119

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: WATER BASED PAINT
TCEQ Waste Code Number: 00436041

Incompatibilities: OXIDIZER
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: GREEN
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 14739
Waste Manifest Number: 3946895
Date of Shipment: 10-11-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 1

Analyst/Sampler: _____ Date: 10/11/05

Bill Swain
281.233.5001

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1119**

Waste Generator: **Smith International**

Waste Stream Name: **Water Based Paint**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

Smi
Company

EPAHO102000967

Bill Swain
281.233.5001

4th

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1119**

Waste Generator: **Smith International**

Waste Stream Name: **Water Based Paint**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

Si
Company

EPAHO102000968

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 #: **1119**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **Water Based Paint**

Expiration Date: **9/8/2008**

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.

Tyra Garacci
Customer Name

[signature]
Signature

Smith International Inc. Facility HSE Spec.
Company / Title

09/08/08
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

Smith International 1118
Profile # 1118

EPAHO102000970

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/8/2005**

Dear **Bill Swain**

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 # 1118

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

If not recycled, send to BFI only

Waste Information

Name of Waste: RCRA Empty Containers
TCEQ Waste Code #: 00443081
Container Type: Drum
Detailed Description of Process Generating Waste:
Empty product containers
Color: Various **Odor:** None **pH:** NA
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Smith International, Inc		
Address:	16740 Hardy Street		
City, State, Zip:	Houston, TX 77032		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601
24/hr Phone:	281-443-3370		
U.S. EPA I.D. No:	TXD000729426		
State I.D.	30682	**SIC Code:**	3533; 1389

SECTION 2: Billing Information – ☐ Same as Above

Company:	Smith International, Inc		
Address:	P.O. Box 60068		
City, State, Zip:	Houston, TX 77205		
Contact:	Bill Swain	**Title:**	Environmental Coordinator
Phone No:	281-233-5654	**Fax No:**	281-233-5601

SECTION 3: General Description of the Waste

Name of Waste: RCRA Empty Containers
Detailed Description of Process Generating Waste: Empty Product Containers

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

Color: Various **Odor:** none

Specific Gravity (water=1): 1.5 **Density:** 12 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: 00443081
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	NA	0mg/l	0mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
NAmg/l	NAmg/l	0mg/l	0mg/l	0mg/l

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.
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: Bill Swain **Date:** 9-7-05

Printed Name/Title: Bill Swain / Environmental Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Shangle

Date: 9-8-05 Approved Rejected

Approval Number: 1118

Additional Information: If not recycled, send to BFI only

(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) 676-1676

Receiving Report

Profile #: 1118

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON TX 77032
Name of Waste: EMPTY CONTAINER
TCEQ Waste Code Number: 00443081

Incompatibilities: NONE
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 07B1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14356
Waste Manifest Number: 3946609
Date of Shipment: 9-21-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: [signature] Date: 9-21-05

EPAHO102000975

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1118

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: RCRA EMPTY DRUMS
TCEQ Waste Code Number: D0443081

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: N/A
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15981
Waste Manifest Number: 3947551
Date of Shipment: 11/18/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 08

Analyst/Sampler: [signature] Date: 11/18/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1118

Generator: SMITH INTERNATIONAL
Address: 16740 HARDY STREET HOUSTON, TX 77032
Name of Waste: EMPTY CONTAINERS
TCEQ Waste Code Number: 00443081

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: LEVEL D

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 17091
Waste Manifest Number: 3956984
Date of Shipment: 01/03/06
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 04

Analyst/Sampler: _____ Date: 01/03/06

4"

Bill Swain
281 233 5654

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1118**

Waste Generator: **Smith International**

Waste Stream Name: **RCRA Empty Containers**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

Si
Company

EPAHO102000978

4"

Bill Swain
281 233 5654

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: **1118**

Waste Generator: **Smith International**

Waste Stream Name: **RCRA Empty Containers**

Expiration Date: **9/8/2006**

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.

Bill Swain
Customer Name

Bill Swain
Signature

Env. Coord.
Title

Si
Company

EPAHO102000979

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 #: **1118**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **RCRA Empty Containers**

Expiration Date: **9/8/2008**

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 ✓

Tyra Garacci
Customer Name

Tyra C. Garacci
Signature

Smith International Inc Facility HSE Spec.
Company / Title

09/08/08
Date

Trimac - DSI Transportation, Inc 1096
Battleground Rd., Profile # 1096

EPAHO10200981

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **8/19/2005**

Dear **Ronnie Martin**

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 # 1096

Generator: Trimac-DSI Transporters, Inc. (Deer Park)
Address: 2401 Battleground Road
Deer Park, TX 77536

Waste Information

Name of Waste: Waste Solids
TCEQ Waste Code #: 02034091
Container Type: Drum
Detailed Description of Process Generating Waste:
Cleaning product heels from RCRA empty trailers/containers.
**This material has already been reacted (it is 100% solid; polymerized)
Color: Light Yellow to Dark **Odor:** None **pH:** N/A
Physical State: Solid
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.

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 :	Trimac-DSI Transporters, Inc. (Deer Park)		
Address :	2401 Battleground Road		
City, State, Zip :	Deer Park TX 77536		
Contact :	Ronnie Martin	**Title :**	Tankwash Manager
Phone No :	(281) 474-5674	**Fax :**	
24 / HR Phone :	(281) 474-5674		
U.S EPA I.D No :	TXD078446820		
State I.D :	30578	**SIC Code**	

SECTION 2: Billing Information

Company :	Trimac DSI Transporters (Baypark Rd.)		
Address :	13301 Baypark Rd		
City, State, Zip :	Pasadena TX 77507		
Contact :	Ronnie Martin	**Title :**	
Phone No :	(281) 474-5674	**Fax :**	(281) 474-5376

SECTION 3: General Description of the Waste

Name of Waste : Waste Solids

Detailed Description of Process Generating Waste:

Cleaning product heels from RCRA empty trailers/containers.
**This material has already been reacted (it is 100% solid; polymerized)

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

Color : Light Yellow to Dark **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)

Container Size : 55

Number Of Units : 15

Texas State Waste Code No : 02034091

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste solids

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	N/A	BRL mg/l	BRL mg/l	100 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
N/A mg/l	N/A mg/l	BRL mg/l	BRL mg/l	BRL mg/l

EPAHO102000983

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Dirt, Silt, Sand	2-10	%
Mondur M (solidified; polymerized) (MSDS attached)	50-100	%
Asphalt	50-100	%
Water Treating Polymer	50-100	%
Motor Oils	2-15	%

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 for Mondur M, Water Treting Polymer, Motor Oils

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 generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits

TCLP Volatilies : TCLP Volatiles are below regulatory limits

TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits

Reactivity : Material has already been reacted

Corrosivity : Material is 100% solid

Ignitability : No ignitable materials are present

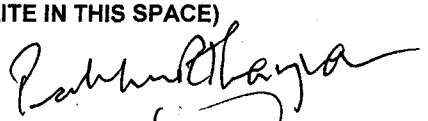
SECTION 9: Generator's Certification

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 : _____ **Date :** 8/18/2005

Printed Name / Title : Ronnie Martin / Tankwash Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : 

Date : 8/18/2005 **Status :** Approved Rejected

Approval Number : 1096

Additional Information

EPAHO102000984

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

EPAHO102000985

(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.

EPAHO102000986

Bayer

MATERIAL SAFETY DATA SHEET

BAYER CORPORATION
PRODUCT SAFETY & REGULATORY AFFAIRS
100 Bayer Road
Pittsburgh, PA 15205-9741

TRANSPORTATION EMERGENCY
CALL CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

NON-TRANSPORTATION
BAYER EMERGENCY PHONE...: (412) 923-1800
BAYER INFORMATION PHONE.: (800) 662-2927

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME.....: Mondur M (Molten Bulk)
PRODUCT CODE.....: C0062000
CHEMICAL FAMILY.....: Aromatic Isocyanate
CHEMICAL NAME.....: 1,1'-Methylenebis(4-isocyanatobenzene)
SYNONYMS.....: Diphenylmethane Diisocyanate (MDI); Methylene Diphenylmethane Diisocyanate (MDI) Diphenylisocyanate
CAS NUMBER.....: 101-68-8
FORMULA.....: C15H10N2O2

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME /CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION (%)
***** HAZARDOUS INGREDIENTS *****		
4,4'-Diphenylmethane Diisocyanate (MDI) 101-68-8	OSHA : .02 ppm Ceiling .20 mg/m3 Ceiling ACGIH: .005 ppm TWA .051 mg/m3 TWA	Upper Bound 99%
2,4'-Diphenylmethane Diisocyanate (MDI) 5873-54-1	OSHA : Not Established ACGIH: Not Established	Upper Bound 2%

EPAHO102000987

3. HAZARDS IDENTIFICATION:

****
* EMERGENCY OVERVIEW *
*
* WARNING! Color: White to light yellow; Form: Liquid; *
* Molten Bulk; Odor: Slightly musty odor; May cause eye, *
* skin, and respiratory tract irritation; Harmful if inhaled; *
* May cause allergic respiratory reaction; May cause allergic *
* skin reaction; May cause lung damage; Use cold water spray *
* to cool fire-exposed containers to minimize the risk of *
* rupture; Toxic gases/fumes are given off during burning or *
* thermal decomposition; Closed container may explode under *
* extreme heat. *
****

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY.....: Skin Contact from liquid and aerosols (spray application). Inhalation. Although MDI is low in volatility, an inhalation hazard can exist from MDI aerosols or vapors formed during heating, foaming or spraying.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE INHALATION.....: MDI vapors or mist at concentrations above the TLV can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing obstruction). Persons with a preexisting, nonspecific bronchial hyperreactivity can respond to concentrations below the TLV with similar symptoms as well as asthma attack. Exposure well above the TLV may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). These effects are usually reversible. Chemical or hypersensitive pneumonitis, with flu-like symptoms (e.g., fever, chills) has also been reported. These symptoms can be delayed up to several hours after exposure.

CHRONIC INHALATION.....: As a result of previous repeated overexposures or a single large dose, certain individuals develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the TLV. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthma attack, could be immediate or delayed (up to several hours after exposure). Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Overexposure to isocyanates has also been reported to cause lung damage (including decrease in lung function) which may be permanent. Sensitization can either be temporary or permanent.

ACUTE SKIN CONTACT.....: Isocyanates react with skin protein and

EPAHO102000988

4. FIRST AID MEASURES (Continued)

Consult physician.

NOTE TO PHYSICIAN.....: Eyes. Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation frequently. Workplace vapors have produced reversible corneal epithelial edema impairing vision. Skin. This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn. Ingestion. Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. Respiratory. This compound is a known pulmonary sensitizer. Treatment is essentially symptomatic. An individual having a skin or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate.

5. FIRE FIGHTING MEASURES:

FLASH POINT.....: 395.0 F (201.6 C) Pensky-Martens Closed Cup (ASTM D-93)

EXTINGUISHING MEDIA.....: Dry Chemical; Carbon Dioxide; Foam; Water spray for large fires.

SPECIAL FIRE FIGHTING PROCEDURES: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters. During a fire, MDI vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. (See Stability and Reactivity). At temperatures greater than 400 F (204 C), polymeric MDI can polymerize and decompose which can cause pressure build-up in closed containers. Explosive rupture is possible. Therefore, use cold water to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES.....: Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment, including respiratory equipment during clean-up. (See Employee Protection Recommendations). Major Spill: Call Bayer Corporation at 412/923-1800. If transportation spill, call CHEMTREC 800/424-9300. If temporary control of isocyanate vapor is required, a blanket of protein foam (available at most fire departments) may be placed over the spill. Large quantities may be pumped into closed, but not sealed, container for disposal. Minor Spill: Absorb isocyanates with sawdust or other absorbent, shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%), or; water (90%), concentrated ammonia (3-8%) and detergent (2%). Add about 10 parts of neutralizer per part of isocyanate, with mixing. Allow to stand uncovered for 48 hours to let CO2 escape. Clean-up: Decontaminate floor with decontamination

6. ACCIDENTAL RELEASE MEASURES (Continued)

solution letting stand for at least 15 minutes.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE(MIN/MAX): 107 F (42 C) minimum/111 F (44 C) maximum
SHELF LIFE.....: Recommended for molten material - 3 weeks.
SPECIAL SENSITIVITY.....: If container is exposed to high heat, 400 F (204 C) it can be pressurized and possibly rupture. MDI reacts slowly with water to form CO2 gas. This gas can cause sealed containers to expand and possibly rupture.
HANDLING/STORAGE PRECAUTIONS: store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Avoid contact with skin and eyes. Do not breathe aerosols or vapors. Warning properties (irritation of the eyes, nose and throat or odor) are not adequate to prevent chronic overexposure from inhalation. This material can produce asthmatic sensitization upon either single inhalation exposure to a relatively high concentration or upon repeated inhalation exposures to lower concentrations. Exposure to vapors of heated MDI can be extremely dangerous. Employee education and training in the safe use and handling of this compound are required under the OSHA Hazard Communication Standard.

8. PERSONAL PROTECTION:

EYE PROTECTION REQUIREMENTS.....: Liquid chemical goggles. Vapor resistant goggles should be worn when contact lenses are in use. In a splash hazard environment chemical goggles should be used in combination with a full face-shield.
SKIN PROTECTION REQUIREMENTS.....: Permeation resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol). However, please note that PVA degrades in water. Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered by the cream to a minimum.
VENTILATION REQUIREMENTS.....: Local exhaust should be used to maintain levels below the TLV whenever MDI is processed, heated or spray applied. Standard reference sources regarding industrial ventilation (ie., ACGIH Industrial Ventilation) should be consulted for guidance about adequate ventilation.
RESPIRATOR REQUIREMENTS.....: Concentrations greater than the TLV can occur when MDI is sprayed, heated or used in a poorly ventilated area. In such cases, or whenever concentrations or MDI exceed the TLV or are not known, respiratory protection must be worn. A supplied air respirator (either positive pressure or continuous flow type) is required. In an emergency situation, a self-contained breathing apparatus may be used. MDI has poor warning properties, since the concentration at which MDI can be

8. PERSONAL PROTECTION (Continued)

smelled is substantially higher th an the maximum exposure limit. Observe OSHA regulations for respirator use (29 CFR 1910.134).

MONITORING.....: Isocyanate exposure levels must be monitored. Monitoring of airborne isocyanates in the breathing zone of individuals should become part of the overall employee exposure characterization program. Monitoring techniques have been developed by NIOSH, and OSHA. Upon request, Bayer Corporation can make available methods which are modifications of these NIOSH and OSHA methods.

MEDICAL SURVEILLANCE.....: Medical supervision of all employees who handle or come in contact with isocyanates is recommended. These should include preemployment and periodic medical examinations with pulmonary function tests (FEV, FVC as a minimum). Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with isocyanates. Once a person is diagnosed as sensitized to an isocyanate, no further exposure can be permitted.

ADDITIONAL PROTECTIVE MEASURES.....: Safety showers and eyewash stations should be available. Educate and train employees in safe use of product. Follow all label instructions. For additional information, contact Bayer Product Safety and Regulatory Affairs Department for Polymers.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM	Liquid
APPEARANCE	Molten Bulk
COLOR	White to light yellow
ODOR	Slightly musty odor
ODOR THRESHOLD	Not Established
MOLECULAR WEIGHT	250
pH	Not Established
BOILING POINT	381 F (194 C) to 390 F (199 C) @ 5 mmHg
MELTING/FREEZING POINT	102 F (39 C)
SOLUBILITY IN WATER	Not soluble. Reacts slowly with water to liberate CO2 gas.
SPECIFIC GRAVITY	1.19 @ 77 F (25 C)
BULK DENSITY	9.93 lbs/gal
% VOLATILE BY VOLUME	Negligible
VAPOR PRESSURE	Less than 10-5 mmHg at 77 F (25 C) for MDI
VAPOR DENSITY	8.5 (MDI) (Air = 1)

10. STABILITY AND REACTIVITY:

STABILITY.....: This is a stable material.

HAZARDOUS POLYMERIZATION...: May occur; Contact with moisture, other materials which react with isocyanates, or temperatures above 400 F (204 C), may

EPAHO102000991

10. STABILITY AND REACTIVITY (Continued)

cause polymerization.
INCOMPATIBILITIES.....: Water, amines, strong bases, alcohols. Will cause some corrosion to copper alloys and aluminum.
INSTABILITY CONDITIONS.....: Contamination with water.
DECOMPOSITION PRODUCTS.....: By high heat and fire: carbon monoxide, oxides of nitrogen, traces of HCN, MDI vapors or aerosols.

11. TOXICOLOGICAL INFORMATION:

TOXICITY DATA FOR: Diphenylmethane Diisocyanate (Monomeric and Polymeric)
ACUTE TOXICITY
ORAL LD50.....: Greater than 10,000 mg/kg (Rat)
DERMAL LD50.....: Greater 6,200 mg/kg (Rabbit)
INHALATION LC50....: The 4-hour LC50 for polymeric MDI in rats ranges from 370 to 490 mg/m3. The 4-hour LC50 for monomeric MDI in rats was estimated to be between 172 and 187 mg/m3.
EYE EFFECTS.....: Slight to moderate irritation (Rabbit).
SKIN EFFECTS.....: Slight to moderate irritation (Rabbit).
SENSITIZATION.....: MDI has been shown to produce dermal sensitization in laboratory animals. Evidence of respiratory sensitization has also been observed in guinea pigs. In addition, there is some evidence suggestive of cross-sensitization between different types of diisocyanates.
CHRONIC TOXICITY.....: In a combined chronic inhalation toxicity/oncogenicity study, rats were exposed to an aerosol of polymeric MDI for 6 hours per day, 5 days per week for one or two years. The exposure concentrations were 0, 0.2, 1.0 and 6.0 mg/m3. Microscopic examination of tissues revealed the effects of irritation to the nasal cavity and lungs in animals exposed to 1.0 and 6.0 mg/m3. The No Observable Effect Level (NOEL) was 0.2 mg/m3.
CARCINOGENICITY.....: In the study described above (See CHRONIC TOXICITY), the occurrence of pulmonary adenomas and a single pulmonary adenocarcinoma was considered to be related to MDI. These tumors were observed only in rats exposed to the high concentration of 6.0 mg/m3.
MUTAGENICITY.....: Positive (Salmonella microsome test with metabolic activation; cell transformation assay) as well as negative (mouse lymphoma specific locus mutation test with or without metabolic activation) results have been observed "in vitro". The use of certain solvents which rapidly hydrolyze MDI is suspected of producting mutagenicity in some of these studies. MDI was negative in an "in vivo" (mouse micronucleus) assay.
DEVELOPMENTAL TOXICITY: Rats were exposed to polymeric MDI at air concentrations of 0, 1, 4 and 12 mg/m3 during days 6 - 15 of gestation. Maternal Toxicity (including mortality) was observed at the highest concentration of 12 mg/m3 accompanied by embryo and fetal toxicity. However, no teratogenic effects were observed even at this lethal concentration.

12. ECOLOGICAL INFORMATION:

ECOLOGY DATA FOR: Diphenylmethane Diisocyanate (Monomeric and Polymeric)
AQUATIC TOXICITY.....: LC50 - 24 hr. (static): Greater than 500 mg/liter for Daphnia magna, Limnea Stagnalis, and Zebra fish (Brachydanio rerio) for both polymeric and monomeric MDI.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD.....: Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Incineration is the preferred method.
EMPTY CONTAINER PRECAUTIONS.: Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Empty decontaminated containers should be crushed to prevent reuse. DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH. (See Fire Fighting Measures and Stability & Reactivity). Gases may be highly toxic.
TRANSPORTATION EMERGENCIES..: Bayer requires that CHEMTREC be immediately notified (800-424-9300) when this product is unintentionally released from its container during its course of distribution, regardless of the amount released. Distribution includes transportation, storage incidental to transportation, loading and unloading. Such notification must be immediate and made by the person having knowledge of the release.

14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME.....: Methylene diphenyl diisocyanate
FREIGHT CLASS BULK.....: Methylene diphenyl diisocyanate
FREIGHT CLASS PACKAGE.....: Chemicals, NOI (Isocyanate), NMFC 60000
PRODUCT LABEL.....: Product Label Established

DOT (DOMESTIC SURFACE)

PROPER SHIPPING NAME.....: Other Regulated Substances, Liquid, N.O.S. * SEE NOTE BELOW
HAZARD CLASS OR DIVISION .....: 9
UN/NA NUMBER.....: NA3082
PACKING GROUP .....: III
HAZARDOUS SUBSTANCE.....: MDI, (Methylene diphenyl diisocyanate)
DOT PRODUCT RQ lbs (kgs).....: 5050 lbs (2290.7 kgs)
HAZARD LABEL(s).....: Class 9
HAZARD PLACARD(s).....: Class 9

EPAHO102000993

14. TRANSPORTATION INFORMATION (Continued)

DOT (continued)

* WHEN IN INDIVIDUAL CONTAINERS OF LESS THAN THE PRODUCT RQ, THIS MATERIAL SHIPS AS NON-REGULATED.

IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

15. REGULATORY INFORMATION:

OSHA STATUS.....: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS.....: On TSCA Inventory

CERCLA REPORTABLE QUANTITY..: 5000 lbs for 4,4'-Diphenylmethane Diisocyanate, CAS# 101-68-8.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES..: None

SECTION 311/312 HAZARD CATEGORIES.....: Immediate Health Hazard; Delayed Health Hazard

SECTION 313 TOXIC CHEMICALS.....: 4,4'-Diphenylmethane Diisocyanate, CAS# 101-68-8; Upper Bound 99%

RCRA STATUS.....: MDI is not listed as a hazardous waste. To the best of our knowledge, MDI does not meet the criteria of a hazardous waste if discarded in its purchased form. However, under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether a product meets any of the criteria for a hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics under the new Toxicity Characteristics Leaching Procedure (TCLP) 40 Code of Federal Regulations 261.20-24.

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

EPAHO102000994

15. REGULATORY INFORMATION (Continued)

COMPONENT NAME /CAS NUMBER	CONCENTRATION	STATE CODE
4,4'-Diphenylmethane Diisocyanate (MDI) 101-68-8	Upper Bound 99%	PA1, FL, IL, MA, RI, NJ1, NJ4, CN2
2,4'-Diphenylmethane Diisocyanate (MDI) 5873-54-1	Upper Bound 2%	NJ4

FL = Florida Substance List
IL = Illinois Toxic Substances List
MA = Massachusetts Hazardous Substance List
NJ1 = New Jersey Hazardous Substance List
NJ4 = New Jersey Other - included in 5 predominant ingredients > 1%
PA1 = Pennsylvania Hazardous Substance List
RI = Rhode Island List of Designated Substances
CN2 = Canada WHMIS Ingredient Disclosure List over 0.1%.

CALIFORNIA PROPOSITION 65
To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

16. OTHER INFORMATION:

NFPA 704M RATINGS:

Health	Flammability	Reactivity	Other
3	1	1	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS RATINGS:

Health	Flammability	Reactivity
3*	1	1

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe
*=Chronic Health Hazard

Bayer's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by Bayer as a customer service.

REASON FOR ISSUE.....: Revising Animal Toxicity Data and Regulatory Information.
PREPARED BY.....: Rebecca L. Cernick
APPROVED BY.....: J. H. Chapman
APPROVAL DATE.....: 08/03/1999
SUPERSEDES DATE.....: 08/13/1997
MSDS NUMBER.....: 01831

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Bayer Corporation. The data on this sheet relates only to the specific material designated herein. Bayer Corporation assumes no legal responsibility for use or reliance upon these data.

Product Code: C0062000
Approval date: 08/03/1999

EPAHO102000996

BETZDEARBORN MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 01-MAY-1998
PRINTED DATE: 01-MAY-1998

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : BETZ POLYMER CDP-41058

PRODUCT APPLICATION AREA: FLOCCULANT.

COMPANY ADDRESS:
BetzDearborn Inc.
4636 Somerton Road, Trevose, Pa. 19053
Information phone number: (215) - 355-3300

EMERGENCY TELEPHONE (HEALTH/ACCIDENT): (800)-877-1940 (USA)

2) COMPOSITION / INFORMATION ON INGREDIENTS

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this MSDS for our assessment of the potential hazards of this formulation.

HAZARDOUS INGREDIENTS:

CAS#	CHEMICAL NAME
64742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE Combustible liquid; irritant
UNKNOWN	NONYLPHENOL ETHOXYLATES Irritant (eyes and skin)

No component is considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration at OSHA thresholds for carcinogens.

PRODUCT NAME : BETZ POLYMER CDP-41058
EFFECTIVE DATE: 01-MAY-1998

HAZARDS IDENTIFICATION

****

EMERGENCY OVERVIEW

CAUTION

May cause moderate irritation to the skin. May cause dermatitis. May cause moderate irritation to the eyes. Vapors, gases, mists or aerosols may cause irritation to the upper respiratory tract. Prolonged exposure may cause dizziness and headache.

DOT hazard is not applicable
Emergency Response Guide is not applicable
Odor: Slight Hydrocarbon; Appearance: White To Off-White, Emulsion

Fire fighters should wear positive pressure self-contained breathing apparatus(full face-piece type). Proper fire-extinguishing media: dry chemical/CO2/foam or water--Slippery condition; use sand/grit.

****

POTENTIAL HEALTH EFFECTS

ACUTE SKIN EFFECTS:
Primary route of exposure; May cause moderate irritation to the skin. May cause dermatitis.

ACUTE EYE EFFECTS:
May cause moderate irritation to the eyes.

ACUTE RESPIRATORY EFFECTS:
Primary route of exposure;Vapors, gases, mists or aerosols may cause irritation to the upper respiratory tract. Prolonged exposure may cause dizziness and headache.

INGESTION EFFECTS:
May cause slight gastrointestinal irritation.

TARGET ORGANS:
Prolonged or repeated exposures may cause CNS depression and/or defatting-type dermatitis.

MEDICAL CONDITIONS AGGRAVATED:
Not known.

SYMPTOMS OF EXPOSURE:
Excessive dermal exposure causes defatting and drying of skin. Excessive inhalation of vapors causes dizziness, headache and nausea.

EPAHO102000998

PRODUCT NAME : BETZ POLYMER CDP-41058
EFFECTIVE DATE: 01-MAY-1998

FIRST AID MEASURES

SKIN CONTACT:
Remove contaminated clothing. Wash exposed area with a large quantity of soap solution or water for 15 minutes.
EYE CONTACT:
Immediately flush eyes with water for 15 minutes. Immediately contact a physician for additional treatment.
INHALATION:
Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary.
INGESTION:
Do not feed anything by mouth to an unconscious or convulsive victim. Do not induce vomiting. Immediately contact physician. Dilute contents of stomach using 3-4 glasses milk or water.

5) FIRE FIGHTING MEASURES

FIRE FIGHTING INSTRUCTIONS:
Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type).
EXTINGUISHING MEDIA:
dry chemical/CO2/foam or water--Slippery condition; use sand/grit.
HAZARDOUS DECOMPOSITION PRODUCTS:
Thermal decomposition (destructive fires) yields elemental oxides.
FLASH POINT:
> 200F > 93C SETA(CC)

6) ACCIDENTAL RELEASE MEASURES

PROTECTION AND SPILL CONTAINMENT:
Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Wet area may be slippery. Spread sand/grit.
DISPOSAL INSTRUCTIONS:
Water contaminated with this product may be sent to a sanitary sewer treatment facility,in accordance with any local agreement,a permitted waste treatment facility or discharged under a permit. Product as is - Incinerate or land dispose in an approved landfill.

7) HANDLING AND STORAGE

HANDLING:
Normal chemical handling.
STORAGE:
Keep containers closed when not in use. Reasonable and safe chemical storage. Protect from freezing.

EPAHO102000999

PRODUCT NAME : BETZ POLYMER CDP-41058
EFFECTIVE DATE: 01-MAY-1998

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME

ISOPARAFFINIC PETROLEUM DISTILLATE
PEL (OSHA): 400 PPM
TLV (ACGIH): NOT DETERMINED

NONYLPHENOL ETHOXYLATES
PEL (OSHA): NOT DETERMINED
TLV (ACGIH): NOT DETERMINED

ENGINEERING CONTROLS:
Adequate ventilation to maintain air contaminants below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:
Use protective equipment in accordance with 29CFR 1910 Subpart I

RESPIRATORY PROTECTION:
A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.
USE AIR PURIFYING RESPIRATORS WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR-RESPIRATORS.
If air-purifying respirator use is appropriate, use a respirator with organic vapor cartridges.

SKIN PROTECTION:
neoprene gloves-- Wash off after each use. Replace as necessary.

EYE PROTECTION:
splash proof chemical goggles

9) PHYSICAL AND CHEMICAL PROPERTIES

Specific Grav.(70F,21C)	1.111	Vapor Pressure (mmHG)	~ 18.0
Freeze Point (F)	< 23	Vapor Density (air=1)	> 1.00
Freeze Point (C)	< -5		
Viscosity(cps 70F,21C)	2190	% Solubility (water)	ND

Odor	Slight Hydrocarbon
Appearance	White To Off-White
Physical State	Emulsion
Flash Point SETA(CC)	> 200F > 93C
pH 0.5% Sol. (approx.)	9.0
Evaporation Rate (Ether=1)	< 1.00

NA = not applicable ND = not determined

CONTINUED

EPAHO102001000

PRODUCT NAME : BETZ POLYMER CDP-41058
EFFECTIVE DATE: 01-MAY-1998

J) STABILITY AND REACTIVITY

STABILITY:
Stable under normal storage conditions.
HAZARDOUS POLYMERIZATION:
Will not occur.
INCOMPATIBILITIES:
May react with strong oxidizers.
DECOMPOSITION PRODUCTS:
Thermal decomposition (destructive fires) yields elemental oxides.
BETZ INTERNAL PUMPOUT/CLEANOUT CATEGORIES:
"B"

11) TOXICOLOGICAL INFORMATION

Oral LD50 RAT:	>5,000 mg/kg
Dermal LD50 RABBIT:	>2,000 mg/kg

NOTE - Estimated value

12) ECOLOGICAL INFORMATION

AQUATIC TOXICOLOGY

Daphnia magna 48 Hour Static Acute Bioassay

LC50: 1.1 mg/L
No Effect Level: .49 mg/L

Fathead Minnow 96 Hour Static Renewal Bioassay

LC50: 240 mg/L
No Effect Level: 125 mg/L

Ceriodaphnia 48 Hour Static Renewal Bioassay

LC50: 1 mg/L
No Effect Level: .3 mg/L

BIODEGRADATION

COD (mg/gm):	1040
TOC (mg/gm):	370
BOD-5 (mg/gm):	Insoluble cannot be tested
BOD-28 (mg/gm):	Insoluble cannot be tested

EPAHO102001001

PRODUCT NAME : BETZ POLYMER CDP-41058
EFFECTIVE DATE: 01-MAY-1998

13) DISPOSAL CONSIDERATIONS

If this undiluted product is discarded as a waste, the US RCRA hazardous waste identification number is :
Not applicable.

Please be advised; however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

14) TRANSPORT INFORMATION

DOT HAZARD:	Not Applicable
UN / NA NUMBER:	Not applicable
DOT EMERGENCY RESPONSE GUIDE #:	Not applicable

15) REGULATORY INFORMATION

TSCA:
All components of this product are listed in the TSCA inventory.
CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ):
Treat as oil spill
SARA SECTION 312 HAZARD CLASS:
Immediate(acute);Delayed(Chronic)
SARA SECTION 302 CHEMICALS:
No regulated constituent present at OSHA thresholds
SARA SECTION 313 CHEMICALS:
No regulated constituent present at OSHA thresholds

CALIFORNIA REGULATORY INFORMATION

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT:

No regulated constituent present at OSHA thresholds

MICHIGAN REGULATORY INFORMATION

No regulated constituent present at OSHA thresholds

CONTINUED

EPAHO102001002

PRODUCT NAME : BETZ POLYMER CDP-41058
FFECTIVE DATE: 01-MAY-1998

) OTHER INFORMATION

NFPA/HMIS		CODE TRANSLATION
Health	2	Moderate Hazard
Fire	1	Slight Hazard
Reactivity	0	Minimal Hazard
Special	NONE	No special Hazard
(1) Protective Equipment	B	Goggles,Gloves

(1) refer to section 8 of MSDS for additional protective equipment recommendations.

CHANGE LOG

	EFFECTIVE DATE	REVISIONS TO SECTION:	SUPERCEDES
MSDS status:	22-AUG-1995	REVISED FORMAT	** NEW **
	13-JUN-1996	12	22-AUG-1995
	23-JUN-1997	2,8	13-JUN-1996
	23-MAR-1998	12	23-JUN-1997
	01-MAY-1998	EDIT:9	23-MAR-1998

CITGO SUPERGARD® SYNTHETIC MOTOR OILS

Date 06/04

DESCRIPTION: CITGO SUPERGARD® Synthetic Motor Oils are well-balanced combinations of today's highest quality synthetic base stocks and contain an advanced additive system that will meet the stringent automotive specifications. They are designed to provide excellent protection in today's high performance gasoline (including turbocharged and supercharged) engines in passenger cars, vans, sport utility vehicles, and light trucks. These synthetic engine oils demonstrate improved performance in today's advanced engine designs, and are available in SAE 5W-30 and 10W-30 viscosity grades.

QUALITIES:

- Excellent low-temperature starting and pumpability characteristics
- High-temperature/high-shear properties well above conventional oils
- Lower volatility when compared to conventional oils
- Excellent thermal and oxidation stability
- Enhanced protection against varnish buildup and sludge formation in critical engine parts for top performance and long engine life
- Extended engine life due to control of wear and deposit formation
- Compatible with conventional and synthetic motor oils

APPLICATIONS: SUPERGARD® Synthetic Motor Oils are recommended for passenger cars, sport utility vehicles and light trucks operating on gasoline. They are also recommended for use in gasoline engines which have been converted to operate on compressed natural gas (CNG), liquified natural gas (LNG), and liquified petroleum gas (LPG-which includes propane and butane). Consult the vehicle owner's manual for proper engine lubricant selection.

SUPERGARD® Synthetic Motor Oils meet the performance requirements for latest gasoline-fueled engine service ILSAC GF-3 and API SL and display the API Certification Mark and API Service Symbol. They have also demonstrated benefits in industry accepted fuel economy tests. The SAE 5W-30 exceeds the requirements of ACEA A1-98 and SAE 10W-30 provides ACEA A1-98 quality performance. SUPERGARD® Synthetic meets the performance requirements of GM4718M.

Note: CITGO SUPERGARD® Synthetic Motor Oils are not recommended for use in diesel engines in passenger cars, vans or light trucks. CITGO CITGARD® Motor Oils are recommended for these applications.

EPAHO102001004

TYPICAL PROPERTIES:

CITGO SUPERGARD® SYNTHETIC MOTOR OILS

SAE Grade	5W-30	10W-30
Material Code	620861001	620863001
Gravity, ASTM D 4052, API	34.2	33.5
Pounds Per Gallon	7.11	7.14
Flash Point, ASTM D 92, °F (°C), COC	450 (232)	485 (252)
Low Temperature Cranking, ASTM D 5293		
Temperature, cP, °F (°C)	-22 (-30)	-13 (-25)
Viscosity, cP	3950	3850
Viscosity, ASTM D 445, cSt at 40°C	59.4	63
cSt at 100°C	10.7	10.4
Viscosity Index, ASTM D 2270	174	155
Low Temperature Pumpability, ASTM D 4684		
Temperature °F (°C)	-31 (-35)	-22 (-30)
Viscosity, cP	14,600	9,500
Yield Stress, Pa	None	None
HTHS Rate, ASTM D 4683, Vis cP at 150	3.2	3.5
Pour Point, ASTM D 97, °F (°C)	-33 (-36)	-27 (-33)
Color, ASTM D 1500	L2.5	L2.5
ILSAC GF-3	Yes	Yes
API SL	Yes	Yes
Energy Conserving	Yes	Yes

AMERADA HESS CORPORATION

NFPA 704 (Section 16)

MATERIAL SAFETY DATA SHEET

HESS 10W30 Motor Oil **MSDS No. 8957**

1. CHEMICAL PRODUCT and COMPANY INFORMATION

Amerada Hess Corporation
1 Hess Plaza
Woodbridge, NJ 07095-0961

Manufactured by:

The Valvoline Company
P.O. Box 14000
Lexington, KY 40512

EMERGENCY TELEPHONE NUMBER: **VALVOLINE: 800-247-5263**
COMPANY CONTACT (business hours): Valvoline Info: 606-357-7847
AHC Corporate Safety 732-750-6000

SYNONYMS: Valvoline Product Code 52670413

This product is manufactured by The Valvoline Company and packaged under the Amerada Hess ("Hess") label. The information in this MSDS has been developed by The Valvoline Company, MSDS No. 505.0170829-014.002I, date 5/11/99.

See Section 16 for abbreviations and acronyms.

2. COMPOSITION and INFORMATION ON INGREDIENTS

INGREDIENT NAME	EXPOSURE LIMITS	CONCENTRATION PERCENT BY WEIGHT
Aliphatic Petroleum Distillates CAS NUMBER: 64742-65-0	OSHA PEL-TWA: 5 mg/m^3 as mineral oil mist ACGIH TLV-TWA: 5 mg/m^3 as mineral oil mist	83.0 – 93.0
Detergent/ Dispersant Engine Oil Package	No exposure limits established	N/A
Zinc Compounds	No exposure limits established	N/A

Petroleum-based lubricating oil with detergent/dispersant engine oil package with zinc compounds.

3. HAZARDS IDENTIFICATION

EYES
May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

SKIN
May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms include redness, burning, drying and cracking of the skin, and skin burns. Additional symptoms of skin contact include: acne. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

INGESTION
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

INHALATION
It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

SYMPTOMS OF EXPOSURE
Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset, (nausea, vomiting, diarrhea), irritation (nose, throat, airways), blood abnormalities (breakage of blood cells), liver damage.

TARGET ORGAN EFFECTS
No data

EPAHO102001006

DEVELOPMENTAL INFORMATION
There are no data available for assessing risk to the fetus from maternal exposure to this material.

CANCER INFORMATION
This material is not listed as a carcinogen by IARC, NTP, or OSHA. Used motor oil has been shown to cause skin cancer in laboratory animal continually exposed by repeated applications. Avoid prolonged or repeated skin contact.

OTHER HEALTH EFFECTS
No data

4. FIRST AID MEASURES

EYES
If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is visual difficulty, seek medical attention.

SKIN
Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

INGESTION
Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

INHALATION
If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians
Acute aspiration of large amounts of oil-laden material may produce a serious aspiration hazard. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT:	430.0 °F (221.1 °C) COC
AUTOIGNITION POINT:	No data
EXPLOSIVE LIMITS (%):	No data

HAZARDOUS PRODUCTS OF COMBUSTION
May form: carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorous, various hydrocarbons.

FIRE AND EXPLOSION HAZARDS
Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. No special fire hazards are known to be associated with this product. Dense smoke may be generated while burning.

EXTINGUISHING MEDIA
Regular fire fighting foam, carbon dioxide, dry chemical.

EPAHO102001007

FIRE FIGHTING INSTRUCTIONS

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with full facepiece operated in the pressure-demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to Section 8.

See Section 16 for the NFPA 704 Hazard Rating.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on vermiculite, floor absorbent or other absorbent material. Persons not wearing proper personal protective equipment should be excluded from area of spill.

LARGE SPILL: Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify authorities as required, that a spill has occurred. Persons not wearing proper personal protective equipment should be excluded from area of spill until clean-up has been completed.

7. HANDLING and STORAGE

HANDLING PRECAUTIONS

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred. Precautions during use: avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective gloves. As with all products of this nature, good personal hygiene is essential. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, 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.

STORAGE PRECAUTIONS

Do not store near extreme heat, open flame, or sources of ignition.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

EYE PROTECTION

Not required under normal conditions of use. However, if misting or splashing conditions exist, then safety glasses or chemical splash goggles are advised.

SKIN PROTECTION

Not normally required. However, wear resistant gloves such as nitrile rubber to prevent irritation which may result from prolonged or repeated skin contact with product., To prevent repeated or prolonged skin contact, wear impervious clothing and boots. Wear normal work clothing covering arms and legs.

RESPIRATORY PROTECTION

If workplace exposure limit(s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure. Not required under normal conditions of use. However, if oil mists are

EPAHO102001008

generated above recommended PEL/TLV of 5 mg/m3, then a NIOSH/MSHA approved respirator is advised in absence of proper environmental control. (See your industrial hygienist.)

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE
Dry, clear, and bright liquid

ODOR
No data

BASIC PHYSICAL PROPERTIES

BOILING RANGE:	(for component) > 425.0 F (218.3 C) @ 760.00 mmHg
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY (air = 1):	No data
LIQUID DENSITY:	7.340 lbs/gal @ 60.00 F (.881 kg/l @ 15.60 C)
SPECIFIC GRAVITY (H_2O = 1):	0.881 @ 60F
PERCENT VOLATILES:	No data
EVAPORATION RATE:	Slower than ethyl ether
pH:	Not applicable
VISCOSITY:	<= 3300.0 cps @ -20 C; 10.0 - 11.0 cst @ 100 C

10. STABILITY and REACTIVITY

STABILITY: Stable. Product will not undergo hazardous polymerization.

INCOMPATIBLE MATERIALS
Avoid contact with: acids, halogens, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
May form: aldehydes, carbon dioxide and carbon monoxide, hydrogen sulfide, oxides of sulfur, nitrogen and phosphorus, toxic fumes, various hydrocarbons.

11. TOXICOLOGICAL PROPERTIES

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION INFORMATION

DOT Information - 49 CFR 172.101
DOT Description: Not Regulated
Container/Mode: CASES/SURFACE - NO EXCEPTIONS
NOS Component: None
RQ (Reportable Quantity) - 49 CFR 172.101: Not applicable

15. REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Status (UNITED STATES)
The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4: None

SARA 302 Components - 40 CFR 355 Appendix A: None

SARA Section 311/312 Hazard Class - 40 CFR 370.2
Immediate (X) Delayed (X) Fire(--) Reactive (--) Sudden Release of Pressure (--)

EPAHO102001009

SARA 313 Components - 40 CFR 372.65 Section 313 Component(s) and CAS Number:
ZINC C1-C14 ALKYLDITHIOPHOSPHATE (CAS No. 68649-42-3)

International Regulations Inventory Status: Not determined

State and Local Regulations: California Proposition 65 None

16. OTHER INFORMATION

NFPA® HAZARD RATING	HEALTH:	1	Slight
	FIRE:	1	Slight
	REACTIVITY:	0	Negligible
HMIS® HAZARD RATING	HEALTH:	1*	Slight
	FIRE:	1	Slight
	REACTIVITY:	0	Negligible
			* Chronic

OTHER: The information presented in this MSDS was taken directly from the MSDS for this product prepared by The Valvoline Company, the manufacturer of the product – see Section 2.

ABBREVIATIONS:

AP = Approximately < = Less than > = Greater than
N/A = Not Applicable N/D = Not Determined ppm = parts per million

ACRONYMS:

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
AIHA	American Industrial Hygiene Association	OPA	Oil Pollution Act of 1990
ANSI	American National Standards Institute (212) 642-4900	OSHA	U.S. Occupational Safety & Health Administration
API	American Petroleum Institute (202) 682-8000	PEL	Permissible Exposure Limit (OSHA)
CERCLA	Comprehensive Emergency Response, Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation [General info: (800) 467-4922]	REL	Recommended Exposure Limit (NIOSH)
EPA	U.S. Environmental Protection Agency	SARA	Superfund Amendments and Reauthorization Act of 1986 Title III
HMIS	Hazardous Materials Information System	SCBA	Self-Contained Breathing Apparatus
IARC	International Agency For Research On Cancer	SPCC	Spill Prevention, Control, and Countermeasures
MSHA	Mine Safety and Health Administration	STEL	Short-Term Exposure Limit (generally 15 minutes)
NFPA	National Fire Protection Association (617) 770-3000	TLV	Threshold Limit Value (ACGIH)
NIOSH	National Institute of Occupational Safety and Health	TSCA	Toxic Substances Control Act
NOIC	Notice of Intended Change (proposed change to ACGIH TLV)	TWA	Time Weighted Average (8 hr.)
		WEEL	Workplace Environmental Exposure Level (AIHA)
		WHMIS	Canadian Workplace Hazardous Materials Information System

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES (The Valvoline Company)
The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

EPAHO102001010

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1096

Generator: TRIMAC-OSI DEER PARK
Address: 2401 BATTLEGROUND RD DEER PARK, TX 77536
Name of Waste: SOLIDIFIED MDI
TCEQ Waste Code Number: 02034091

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid_____ Solid X
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NON
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTRI SHRED (11), MLB2 (1)
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 13654
Waste Manifest Number: 3630189
Date of Shipment: 8-19-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 12

Analyst/Sampler: _____ Date: 8-19-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1096

Generator: TRIMAC DST
Address: 2401 BATTLEGROUND RD
Name of Waste: SOLIDIFIED MDI
TCEQ Waste Code Number: 02034091

Incompatibilities: OXIDIZERS
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: YELLOWISH
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16946
Waste Manifest Number: 3956887
Date of Shipment: 12/28/05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 05

Analyst/Sampler: _____ Date: 12/28/05

CES Environmental Services, Inc.

CES Profile Modification Form

Date: 6/10/08

Profile Number: 1096

Generator: Trimac (DeerPark)

Sales Representative: Dana Carter

Requested Modification:
Add products UCAR(TM) Latex 6045IS, and Parvan 1300 (wax)

Reason for Request:
Same generating process - removal of heel from tank trailers - new products cleaned

Note: Copy of Original Profile must be attached along with any Lab Analysis.

Changes Approved By: [signature]
If changes are not approved, a Profile Discrepancy Form will be completed.

Date changes entered into Access Database: 6-10-08.

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 :	Trimac-DSI Transporters, Inc. (Deer Park)		
Address :	2401 Battleground Road 2401 Battleground Road		
City, State, Zip :	Deer Park TX 77536		
Contact :	Brian Apfel	**Title :**	Tankwash Manager
Phone No :	(281) 478-1000	**Fax :**	(281) 479-2005
24 / HR Phone :	(281) 474-5674		
U.S EPA I.D No :	TXD078446820		
State I.D :	30578	**SIC Code**	

SECTION 2: Billing Information

Company :	Trimac-DSI Transporters, Inc. (Deer Park)		
Address :	2401 Battleground Road 2401 Battleground Road		
City, State, Zip :	Deer Park TX 77536		
Contact :	Brian Apfel	**Title :**	
Phone No :	(281) 478-1000	**Fax :**	(281) 479-2005

SECTION 3: General Description of the Waste

Name of Waste : Waste Solids

Detailed Description of the Process Generating Waste:

Cleaning product heels from RCRA empty trailers/containers.
**This material has already been reacted (it is 100% solid; polymerized)

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

Color : Light Yellow to Dark **Odor :** None

Specific Gravity (Water=1) : N/A **Density :** N/A 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 : 15

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**

EPAHO102001014

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 : 02034091

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste solids

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	N/A	BRL mg/l	BRL mg/l	100 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
N/A 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 %
Mondur M (solidified; polymerized) (MSDS attached)	50-100	%
Asphalt	50-100	%
Water Treating Polymer	50-100	%
Motor Oils	2-15	%
Dirt, Silt, Sand	2-10	%

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.
MSDS for Mondur M, Water Treting Polymer, Motor Oils

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 generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits

TCLP Volatilies : TCLP Volatiles are below regulatory limits

TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits

Reactivity : Material has already been reacted

Corrosivity : Material is 100% solid

Ignitability : No ignitable materials are present

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

EPAHO102001016

☐ 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 : _____ **Date :** 8/18/2005

Printed Name / Title : Ronnie Martin / Tankwash Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer :

Date : 8/18/2005 **Status :** Approved Rejected

Approval Number : 1096

Process Facility Information :

$60.00/drum
Trans - $15.00/drum (15 drum minimum)

THE DOW CHEMICAL COMPANY
MATERIAL SAFETY DATA SHEET

Product Name: UCAR(TM) Latex 6651 S
MSDS#: 26357

Effective Date: 03/24/2003

Dow (hereinafter, and for purposes of this MSDS only, refers to The Dow Chemical Company and to Dow Chemical Canada Inc.) encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. Dow expects you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 IDENTIFICATION

Product Name UCAR(TM) Latex 6651 S

1.2 COMPANY IDENTIFICATION

The Dow Chemical Company
Midland, MI 48674

1.3 EMERGENCY TELEPHONE NUMBER

24-HOUR EMERGENCY TELEPHONE NUMBER: (989)636-4400.
Customer Information Number: 1-800-258-2436.

* or ® Indicates a Trademark of The Dow Chemical Company.

MATERIAL SAFETY DATA SHEET

2. COMPOSITION INFORMATION

Component	CAS #	Amount (%W/W)
Butyl acrylate, styrene, acrylonitrile, 2-ethylhexyl acrylate, methacrylic acid polymer	87780-91-4	< 60%
Water	7732-18-5	40 %
Ammonia	7664-41-7	0.09 %
2-Ethylhexyl acrylate	103-11-7	0.03 %
Acrylonitrile	107-13-1	< 0.001%

3. HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Appearance White

Physical State Liquid

Odor Mild

Hazards of product WARNING!
VAPOR MAY BE HARMFUL IF INHALED.
MAY CAUSE SKIN IRRITATION.

3.2 POTENTIAL HEALTH EFFECTS

Effects of Single Acute Overexposure

Inhalation May cause irritation of the respiratory tract, experienced as burning sensation of eyes, nose, and throat, sneezing, coughing, and nausea.

MATERIAL SAFETY DATA SHEET

Eye Contact Liquid may cause discomfort in the eye with slight excess redness and possibly swelling of the conjunctiva.

Skin Contact Brief contact is not irritating. Prolonged contact, as from clothing wet with the material, may cause mild irritation, experienced as discomfort, and seen as local redness.

Skin Absorption No evidence of harmful effects from available information.

Swallowing No evidence of harmful effects from available information.

Chronic, Prolonged or Repeated Overexposure

Effects of Repeated Overexposure No adverse effects anticipated from available information.
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.

See Section 11 for toxicological information and additional information about potential health effects.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

See Section 12 for Ecological Information.

4. FIRST AID PROCEDURES

4.1 INHALATION

Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if necessary. Call a physician.

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 irritation persists or if contact has been prolonged, obtain medical attention.

MATERIAL SAFETY DATA SHEET

4.4 SWALLOWING

No harmful effects expected.

4.5 NOTES TO PHYSICIAN

Toxicology studies have shown similar material to be of very low acute toxicity. 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 - REFER TO SECTION 9, PHYSICAL AND CHEMICAL PROPERTIES

5.2 EXTINGUISHING MEDIA

Non-flammable (aqueous solution): After water evaporates, remaining material will burn. Apply alcohol-type or all-purpose-type foam by manufacturers' recommended techniques for large fires. Use water spray, carbon dioxide or dry chemical media for small fires.

5.3 FIRE FIGHTING PROCEDURES

No information currently available.

5.4 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Use self-contained breathing apparatus when fighting fires in enclosed areas.

5.5 UNUSUAL FIRE AND EXPLOSION HAZARDS

Product will not burn but may spatter if temperature exceeds boiling point of water.
During a fire, oxides of nitrogen may be produced.

5.6 HAZARDOUS COMBUSTION PRODUCTS

Burning can produce the following products: Oxides of carbon and nitrogen. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken If Material is Released or Spilled:
Dilute with large quantities of water. Collect in suitable and properly labeled containers. Wash water should be disposed of in accordance with local regulations. See Section 13, Disposal Considerations, for additional information.

MATERIAL SAFETY DATA SHEET

Personal Precautions: Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/ or groundwater. See Section 12, Ecological Information.

7. HANDLING AND STORAGE

7.1 HANDLING

General Handling
Avoid breathing vapor from container opening.
Avoid contact with skin and clothing.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

FOR INDUSTRY USE ONLY.

Ventilation
Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

7.2 STORAGE

Store above 4 °C (40 °F). Do not freeze.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS

Component	Exposure Limits	Skin	Form
Ammonia	25 ppm TWA8 ACGIH 35 ppm STEL ACGIH 50 ppm TWA8 OSHA 35 mg/m3 TWA8 OSHA		
2-Ethylhexyl acrylate	5 ppm TWA8 Interim IHG		

MATERIAL SAFETY DATA SHEET

Acrylonitrile	25 ppm TWA8 Dow IHG		
	2 ppm TWA8 ACGIH	Yes	
	2 ppm TWA8 OSHA	Yes	no eye or skin contact
	1 ppm Action Level OSHA	Yes	no eye or skin contact
	10 ppm CEILING OSHA	Yes	no eye or skin contact
	1 ppm TWA8 Dow IHG	Yes	
	10 ppm Excursion Limit Dow IHG	Yes	

In the Exposure Limits Chart above, if there is no specific qualifier (i.e., Aerosol) listed in the Form Column for a particular limit, the listed limit includes all airborne forms of the substance that can be inhaled.

A "Yes" in the Skin Column indicates a potential significant contribution to overall exposure by the cutaneous (skin) route, including mucous membranes and the eyes, either by contact with vapors or by direct skin contact with the substance. A "Blank" in the Skin Column indicates that exposure by the cutaneous (skin) route is not a potential significant contributor to overall exposure.

"Interim IHGs" are occupational exposure limits set by the original owner of this product prior to the merger with Dow. These limits have not been reviewed per the Dow IHG process, but are utilized during this period of merger integration until Dow can formally adopt or modify.

8.2 PERSONAL PROTECTION

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline.
When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.
For emergency response or for situations where the atmospheric level is unknown, use an approved positive-pressure self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply.

Ventilation: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Eye Protection: Safety glasses or monogoggles, as appropriate

Protective Gloves: Polyvinyl chloride coated

8.3 ENGINEERING CONTROLS

MATERIAL SAFETY DATA SHEET

Avoid inhalation of product spray through the use of engineering controls. General (mechanical) room ventilation is expected to be satisfactory. Use local exhaust if needed to control mist or vapor.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: White

Odor: Mild

Flash Point - Closed Cup: *Not applicable.*

Flammable Limits In Air:
Lower *Not Determined, Aqueous System*
Upper *Not Determined, Aqueous System*

Autoignition Temperature: *No test data available.*

Vapor Pressure: 18 mmHg *20 °C*

Boiling Point (760 mmHg): ~ 100 °C ~ 212 °F

Vapor Density (air = 1): 0.6

Specific Gravity (H2O = 1): 1.1

Freezing Point: 0 °C 32 °F

Melting Point: *Not applicable (for liquids)*

Solubility in Water (by weight): Completely miscible

pH: 7.5 Approx.

Evaporation Rate (Butyl Acetate = 1): 0.8

Dynamic Viscosity: 400 cps Approx.

MATERIAL SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

10.1 STABILITY/INSTABILITY Stable

10.2 HAZARDOUS POLYMERIZATION Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on analogous products shows minimal toxicity concerns.

ACUTE TOXICITY

Peroral

Rat; LD50 = > 2000 mg/kg

Percutaneous

Rat; LD50 = > 2000 mg/kg

SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMANS

Trace amounts of formaldehyde may be generated under acid conditions. Maintain adequate ventilation under these conditions to prevent exposure above the current OSHA limits.
2-Ethylhexyl acrylate (EHA), used in the manufacture of this product, has been shown to cause cancer in laboratory animals, based on chronic skin painting studies in mice. Although there is no evidence that EHA causes cancer in humans, skin contact should be avoided, and the material should be handled with ventilation adequate to keep the atmospheric concentration of EHA below 5 ppm.
This latex contains less than 10 ppm acrylonitrile. It is exempt from the OSHA acrylonitrile standard 29 CFR 1910.1045, paragraph (a)(2)(ii). Acrylonitrile has been classified by IARC as possibly carcinogenic to humans, by OSHA as carcinogenic, and by NTP as reasonably anticipated to be a human carcinogen.

MATERIAL SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

12.1 ENVIRONMENTAL FATE

Not toxic to fish or plants. Does not inhibit bacteria in waste treatment facilities. Polymer is not biodegradable. Product is not RCRA hazardous. The following information is based on analogy with a similar material.

BOD (% Oxygen consumption)

	Day 5	Day 10	Day 15	Day 20	Day 28/30
				1 - 8 %	

12.2 ECOTOXICITY

Toxicity to Micro-organisms
IC50
Result value: > 2000 mg/L

Toxicity to Aquatic Invertebrates
Daphnia; EC50
Result value: > 1000 mg/L

Toxicity to Fish
Fathead Minnow; LC50
Result value: > 1000 mg/L

12.3 FURTHER INFORMATION

None.

13. DISPOSAL CONSIDERATIONS

13.1 DISPOSAL

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and

MATERIAL SAFETY DATA SHEET

compliance with applicable laws are the responsibility solely of the waste generator. DOW HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/ Information on Ingredients). FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: incinerator or other thermal destruction device. As a service to its customers, Dow can provide names of information resources to help identify waste management companies and other facilities which recycle, reprocess or manage chemicals or plastics, and that manage used drums. Telephone Dow's Customer Information Group at 1-800-258-2436 or 1-989-832-1556 (U.S.), or 1-800-331-6451 (Canada) for further details .

14. TRANSPORT INFORMATION

14.1 U.S. D.O.T.

NON-BULK
Proper Shipping Name : NOT REGULATED

BULK
Proper Shipping Name : NOT REGULATED

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

15.1 FEDERAL/NATIONAL

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980 (CERCLA) SECTION 103

MATERIAL SAFETY DATA SHEET

15.2 STATE/LOCAL

PENNSYLVANIA (WORKER AND COMMUNITY RIGHT-TO-KNOW ACT)

The following product components are cited in the Pennsylvania Hazardous Substances List, the Pennsylvania Special Hazardous Substance List, and/or the Pennsylvania Environmental Hazardous Substance list, and are present at levels which require reporting.
None.

MASSACHUSETTS (HAZARDOUS SUBSTANCES DISCLOSURE BY EMPLOYERS)

The following components of this product appear on the Massachusetts Substance List and are present at levels which could require identification in the MSDS:

Component	CAS #	Amount
Ammonia	7664-41-7	<= 0.0900%
Acrylonitrile	107-13-1	< 0.0010%

CALIFORNIA PROPOSITION 65 (SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986)

This product contains the following chemical(s) known to the State of California to cause cancer:

Component	CAS #	Amount
Acrylonitrile	107-13-1	< 0.0010%

This section provides selected regulatory information on this product including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

16. OTHER INFORMATION

16.1 ADDITIONAL INFORMATION

Additional information on this product may be obtained by calling Dow's Customer Information Group at 1-800-258-2436 (U.S.) or 1-800-331-6451 (Canada).

16.2 HAZARD RATING SYSTEM

MATERIAL SAFETY DATA SHEET

NFPA ratings for this product are: H - 1 F - 1 R - 0

These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

16.3 RECOMMENDED USES AND RESTRICTIONS

For industrial use.

16.4 REVISION

Version: 3.0
Revision: 03/24/2003
Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

16.5 LEGEND

Bacterial/NA	Non Acclimated Bacteria
F	Fire
IHG	Industrial Hygiene Guideline
H	Health
N/A	Not available
NFPA	National Fire Protection Association
O	Oxidizer
R	Reactivity
TS	Trade secret
VOL/VOL	Volume/Volume
W	Water Reactive
W/W	Weight/Weight

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

$45

ExxonMobil

792044-00 PARVAN 1300
MATERIAL SAFETY DATA BULLETIN

---

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PARVAN 1300
SUPPLIER: EXXONMOBIL OIL CORPORATION
3225 GALLOWS RD.
FAIRFAX, VA 22037

24 - Hour Health and Safety Emergency (call collect): 609-737-4411

24 - Hour Transportation Emergency:
CHEMTREC: 800-424-9300 202-483-7616
LUBES AND FUELS: 281-834-3296

Product and Technical Information:
Lubricants and Specialties: 800-662-4525 800-443-9966
Fuels Products: 800-947-9147
MSDS Fax on Demand: 713-613-3661
MSDS Internet Website: http://www.exxon.com, http://www.mobil.com

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PETROLEUM HYDROCARBONS

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

See Section 8 for exposure limits (if applicable).

---

3. HAZARDS IDENTIFICATION

This product may be considered hazardous according to regulatory guidelines (See Section 15).

EMERGENCY OVERVIEW: White Wax. May generate irritating vapors/fumes when burning. DOT ERG No. : 128

POTENTIAL HEALTH EFFECTS: Contact with hot material may cause skin burns. When heated, the vapors/fumes given off may cause

respiratory tract irritation.

For further health effects/toxicological data, see Section 11.

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance.
SKIN CONTACT: Wash contact areas with soap and water. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. (See Section 16 - Injection Injury)
INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or use mouth-to-mouth resuscitation.
INGESTION: Not expected to be a problem when ingested. If uncomfortable seek medical assistance.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. 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: May generate irritating vapors/fumes when burning.
COMBUSTION PRODUCTS: Wax fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.
Flash Point C(F): 204(400) (ASTM D-92).
Flammable Limits (approx.% vol.in air) - LEL: NE, UEL: NE
NFPA HAZARD ID: Health: 1, Flammability: 1, Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center 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: If liquid, dike to contain; allow to cool. 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 or divert to recovery unit.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers

or drains and contact with soil.
PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: If heated, avoid personal contact. Avoid breathing vapors/fumes from heated material. See Section 8 for additional personal protection advice when handling this product.
STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.
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:

OSHA and ACGIH have adopted an 8-hour time-weighted average (TWA) exposure of 2 mg/m3 (paraffin wax fume).

VENTILATION: Use local exhaust over heating operations.
RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.
EYE PROTECTION: Chemical type goggles and face shield should be worn if contact with hot liquid may occur.
SKIN PROTECTION: Gloves as required to handle hot materials. 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: Wax
COLOR: White
ODOR: Mild
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C(F): NE
MELTING POINT C(F): 54(129)
FLASH POINT C(F): 204(400) (ASTM D-92)
FLAMMABILITY (solids): NE
AUTO FLAMMABILITY C(F): NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: < 0.1
VAPOR DENSITY: NE
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.827
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C, cSt: NA
VISCOSITY AT 100 C, cSt: 3.5
POUR POINT C(F): NA
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: Temperatures above melting point.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.
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): Not established
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: 0.5 or less). ---Based on testing of similar products and/or the components.

---CHRONIC TOXICOLOGY (SUMMARY)---

The oils that are processed to obtain this wax product are generally severely solvent refined and/or severely hydrotreated and/or acid treated. Chronic mouse skin painting studies of the severely treated oils showed no evidence of carcinogenic effects. Furthermore, the wax components that are derived from these types of oils have also been evaluated in separate chronic feeding and/or dermal tests and no evidence of chronic disease or cancer was observed.

---SENSITIZATION (SUMMARY)---

Not expected to be sensitizing based on tests of this product, components, or similar products.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

This environmental assessment was conducted using information on the individual components as no test data was available for this specific formulation.

ECOTOXICITY: The major components in the formulation show no aquatic toxicity at 1000 mg/L loading, therefore long-term adverse effects in the aquatic environment are not expected.

MOBILITY: Not established.

PERSISTENCE AND DEGRADABILITY: This product is expected to be inherently biodegradable, as the principal components have been shown to degrade at slow to moderate rates.

BIOACCUMULATIVE POTENTIAL: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value. 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:	Elevated temperature liquid, n.o.s. (contains PETROLEUM WAX)
HAZARD CLASS & DIV:	9
ID NUMBER:	UN3257
ERG NUMBER:	128
PACKING GROUP:	PG III
STCC:	NE
DANGEROUS WHEN WET:	No
POISON:	No

LABEL(s):	Class 9
PLACARD(s):	Class 9
PRODUCT RQ:	NA
MARPOL III STATUS:	NA
OTHER INFORMATION:	Product is not regulated when shipped at temperatures below 212 F and its flash point.

RID/ADR:

HAZARD CLASS:	9
PACKING GROUP:	III
LABEL:	9
DANGER NUMBER:	99
UN NUMBER:	3257
SHIPPING NAME:	Elevated temperature liquid, n.o.s. (contains PETROLEUM WAX)
REMARKS:	NA

IMO:

HAZARD CLASS & DIV:	9
UN NUMBER:	3257
PACKING GROUP:	PG III
SHIPPING NAME:	Elevated temperature liquid, n.o.s. (contains PETROLEUM WAX)
LABEL(s):	Class 9
MARPOL III STATUS:	NA

IATA: FORBIDDEN

OTHER INFORMATION:	Product normally shipped at elevated temperature to facilitate handling and application. For samples packaged and shipped at normal room and environmental temperatures, IATA transportation regulations / classifications including UN number, proper shipping name, hazard class, and packing group do not apply. Therefore, Not Regulated by IATA for solid samples shipped at room temperature.

15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION STANDARD: This product may be used in certain applications where temperatures may lead to generation of wax fumes. According to OSHA, paraffin wax fume may be considered to be hazardous if the workplace airborne concentration exceeds 2 mg/m3.

EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.

Governmental Inventory Status: All components comply with TSCA, EINICS/ELINCS, AICS, DSL, KOREA, and PHILIPPINES.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

THIS PRODUCT MEETS THE REQUIREMENTS OF FDA REGULATIONS(S): 172.886

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS *
PARAFFIN WAX FUME		1, 10, 19, 20, 23

--- 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

* EPA recently added new chemical substances to its TSCA Section 4 test rules. Please contact the supplier to confirm whether the ingredients in this product currently appear on a TSCA 4 or TSCA 12b list.
Code key:CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

USE: WAX

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 PETROLEUM WAX

CAUTION!

HOT PRODUCT MAY CAUSE THERMAL BURNS. EXPOSURE TO GREATER THAN 2MG/M3 WAX FUME MAY CAUSE NOSE, THROAT OR LUNG IRRITATION.

Use adequate ventilation during heating operations to keep airborne levels below recommended exposure limits.

FIRST AID: If irritation occurs, remove to fresh air and get medical attention.

For industrial use only. Not intended or suitable for use in or around a household or dwelling.

Refer to product Material Safety Data Sheet for further safety and health information.

****

For Internal Use Only: MHC: 0* 0* NE 0* 0*, MPPEC: A, TRN: 792044-00, CMCS97: 97V339, REQ: PETROLEUM SPECIALTIES, SAFE USE: G
EHS Approval Date: 01AUG2003

****

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.

Prepared by: ExxonMobil Oil Corporation
Environmental Health and Safety Department, Clinton, USA

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 #: **1096**

Customer: **Trimac-DSI Transporters, Inc. (Deer Park)**

Waste Generator: **Trimac-DSI Transporters, Inc. (Deer Park)**

Waste Stream Name: **Waste Solids**

Expiration Date: **8/18/2007**

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. MSDS's

☐ 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

BRIAN APPEC
Customer Name

Brian Appec
Signature

TRIMAC WASH RACK MANAGER
Company / Title

6/18/08
Date

VAM- PTS 1090

[Profile # 1090]

EPAHO102001039

7E
8-5-09
T-36
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 **8/12/2005**

Dear **Jim Carroll**

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 # 1090

Generator: VAM-PTS
Address: 19210 Hardy Rd
Houston, TX 77073

Waste Information

Name of Waste: Sandblast Media
TCEQ Waste Code #: 00214902
Container Type: Drum
Detailed Description of Process Generating Waste:
Sandblast Media from sandblasting carbon steel piping
Color: Varies **Odor:** None **pH:** N/A
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	VAM-PTS		
Address:	19210 Hardy Rd		
City, State, Zip:	Houston, TX 77073		
Contact:	Jim Carroll	**Title:**	HS&E Coordinator
Phone No:	(281) 230-5747	**Fax No:**	
24/hr Phone:	(281) 230-5747		
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: Sandblast Media
Detailed Description of Process Generating Waste: Sandblast media from sandblasting carbon steel piping

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			

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 10 **Other:**
Texas State Waste Code No: 00214902
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated sandblast media
Class: **UN/NA:** **PG:** **RQ:**

Flash Point >200	**pH** N/A	**Reactive Sulfides** BRLmg/l	**Reactive Cyanides** BRLmg/l	**Solids** 100%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** BRLmg/l	**Copper** BRLmg/l	**Nickel** .49mg/l

EPAHO102001042

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Sandblast Media	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 #50932.01

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:	See Analytical #50932.01
TCLP Volatiles:	TCLP Votaliles are below regulatory limits
TCLP Semi-Volatiles:	TCLP Semi-Volatiles are below regulatory limits
Reactivity:	No reactive materials are present
Corrosivity:	Material is 100% solid
Ignitability:	No ignitable materials are present in the process

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: Jimmy W Carroll **Date:** August 10, 2005

Printed Name/Title: Jimmy W. Carroll

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Matt Bowen Additional Information: _____

Date: 8-10-05 (Approved) Rejected _____

Approval Number: _____ _____

☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
☐ Vibratory deburring wastewater

EPAHO102001043

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

EPAHO102001044

(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.

EPAHO102001045

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: 50932.01

1of 1

Customer: **CES Env. Svcs.**
Project ID: **SB Grit (WWTP)**
Project Loc: **VAM-PTS**
Project No: **8/3/05**

Sample ID: **SB Grit (WWTP)**
Matrix: **Solid**
Type: **Composite**

Environ ID: **50932.01**
Sampled: **08-03-05**
Received: **08-03-05**
Reported: **08-09-05**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	< 50	mg/kg	--	50	TCEQ 1005.03	CR	08-04-05	16:57
DRO (Diesel Range)	258	mg/kg	--	50	TCEQ 1005.03	CR	08-04-05	16:57
ORO (Oil Range)	220	mg/kg	--	50	TCEQ 1005.03	CR	08-04-05	16:57
TOTAL TPH	478	mg/kg	--	50			08-04-05	16:57
METALS (RCRA) - TCLP					SW846.1311	MN	08-03-05	
Antimony	< 0.08	mg/l	1.0	0.08	SW846.6010B	DB	08-05-05	12:00
Arsenic	0.04	mg/l	5.00	0.02	SW846.6010B	DB	08-05-05	12:00
Barium	2.30	mg/l	100	0.02	SW846.6010B	DB	08-05-05	12:00
Beryllium	< 0.05	mg/l	0.08	0.05	SW846.6010B	DB	08-05-05	12:00
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	08-05-05	12:00
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	08-05-05	12:00
Lead	0.09	mg/l	5.00	0.02	SW846.6010B	DB	08-05-05	12:00
Nickel	0.49	mg/l	70.0	0.05	SW846.6010B	DB	08-05-05	12:00
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	08-05-05	12:00
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	08-05-05	12:00
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	08-05-05	08:00

Definitions:
TCLP - Toxicity Characteristic Leaching Proc su - Standard Units
REG - Regulatory Limit (User Should Confirm TPH - Total petroleum Hydrocarbons
MQL - Method Quantitation Limit
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	TPH	METHOD:	TNRCC 1005.3

ANALYST:	dmb	MATRIX:	SOIL	UNITS:	mg/kg	SAMPLES:	12

SAMPLES:	50921-01	50921-02	50921-03	50921-04	50921-05	50921-06	50922-01
	50923-01	50924-01	50925-01	50926-01	50932-01		

SAMPLE	MB	CCV	LCS	MS	MSD	MS-MSD	QC LIMITS	
Blank	mg/kg	REC	REC	REC	REC	RPD	REC	RPD
GRO RESULT	<50	78	78	78	70	10	70 - 130	30
DRO RESULT	<50	96	88	88	91	3	70 - 130	30

John Keller 08-04-05

JOHN KELLER, Ph.D, Lab.Dir./QA-QC Mgr. DATE

KEY:

TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
CCV - Continuing Calibration Verification
MB - Method Blank
LCS - Laboratory Control Sample
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative % Difference
REC - Recovery %

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	DB	DATE:	08.05.05	UNITS:	PPM (mg/l)	NO.SAMPLES:	17

SAMPLES:	50921.01	50921.02	50921.03	50921.04	50921.05	50921.06	50905.01 •	50922.01
	50923.01	50924.01	50925.01	50926.01	50932.01•	50934.01	50934.02	50920.01
	50944.03							

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 50921.01

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	4.99	100	101	1	93	0	75 - 125	20
Barium	0.00	5	4.99	100	101	1	97	0	75 - 125	20
Cadmium	0.00	5	4.93	99	100	1	98	0	75 - 125	20
Chromium	0.00	5	5.04	101	102	1	94	0	75 - 125	20
Lead	0.00	5	5.05	101	102	1	97	0	75 - 125	20
Selenium	0.00	5	4.93	99	100	1	95	0	75 - 125	20
Silver	0.00	5	4.63	93	93	0	98	0	75 - 125	20

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	MERCURY	METHOD: EPA SW846/7471A	MATRIX:	TCLP Fluid #1

ANALYSTS:	MN	DATE:	08.05.05	UNITS:	mg/l	NO.SAMPLES:	18

SAMPLES:	50920.01	50921.01	50921.02	50921.03	50921.04	50921.05	50921.06	50922.01
	50923.01	50924.01	50925.01	50926.01	50932.01	50934.01	50934.02	50944.03
	50944.04	50944.05	50944.05					

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	0.004	0.004	103	97	5	100	0	1	60 - 120	20

John Keller

JOHN KELLER, Ph.D
Laboratory Director

CHAIN OF CUSTODY

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
e-mail: environexp@aol.com

Page 1 of 1

Results To: SEAN EATON	Invoice To: SAME
Company: CES ENV.	Company:
Address: 4904 GREGG RD	Address:
City: HOUSTON State: TX Zip: 77021	City: State: Zip:
Phone: (713) 676-1460	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) 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: SB GRIT (WWTP)
Project Location: VAM - PTS
Project No: 8/3/05
Sampler (Print): SEAN EATON
Sampler (Sign):
Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID:	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	BTEX (8021)	TPH (TX1005)	RCI	PAH	TOTAL EPA TCLP: VOLATILES	SEMI-VOLS	RCRA METALS	TOTAL
	[2] Cntr. Type		P									
	Number		1									
	Volume		32oz.									
	[3] Preservative		1									
5093201	1) SB GRIT (WWTP)	8/3/05 1126 hr	SO	C		X					X	11
	2)											
	3)											
	4)											
	5)											
	6)											
	7)											
	8)											
	9)											
	10)											

Relinquished By:	Company: CES ENV.	Date/Time: 8-3-05 2:15	Received By: Ronda Hargrave	Company: EEL
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.

8- 9-05; 9:35AM;Environ ;2814715821 # 6/ 6
EPAHO102001050

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1090

Generator: VAM PTS
Address: 9210 HARDY RD HOUSTON, TX 77073
Name of Waste: SANDBLAST MEDIA
TCEQ Waste Code Number: 00214902

Incompatibilities: _____
Safety Related Data/Special Handling: _____

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☐ YES ☐ NO
- Matches general composition from the waste profile: ☐ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: NO MILD
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: 3630096
Date of Shipment: 8-11-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 6

Analyst/Sampler: [signature] Date: 8-11-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1090

Generator: VAM PTS
Address: 9210 HARDY RD
Name of Waste: SANDBLAST MEDIA
TCEQ Waste Code Number: 0021490Z

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid X Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): NA
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB2
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 13799
Waste Manifest Number: 3946335
Date of Shipment: 8-25-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: [signature] Date: 8-25-05

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-1090**

Customer: **VAM-USA**

Waste Generator: **VAM-USA**

Waste Stream Name: **Sandblast Media**

Expiration Date: **8/10/2008**

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

Customer Name

Signature

Lead Mat. H&E Dept

Company / Title

10-28-08

Date

Laboratory Analysis Report

Total Number of Pages: 8

Job ID : 08100130

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
1008-02 VAM-USA W. Richey & Hardy

Report To :	Client Name:	CES Environmental	P.O.#.: 1008-02
	Attn:	Gary Brauchman	Sample Collected By: Durim T.
	Client Address:	4904 Griggs Rd	Date Collected: 10/06/08
	City, State, Zip:	Houston, Texas, 77021	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
1008-02 Sandblast	Solid	08100130.01

Released By: Sonia West
Title: Senior Project Manager
Date: 10/10/2008

This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

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.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 10/06/2008 14:05

EPAHO102001054

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 08100130

Date: 10/10/2008

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

EPAHO102001055

LABORATORY TEST RESULTS

Job ID : 08100130

Date 10/10/2008

Client Name: CES Environmental

Attn: Gary Brauchman

Project Name: 1008-02 VAM-USA W. Richey & Hardy

Client Sample ID: 1008-02 Sandblast
Date Collected: 10/06/08
Time Collected: 10:00
Other Information:

Job Sample ID: 08100130.01
Sample Matrix Solid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	TCLP Metals								
	Antimony	BRL	mg/L	1	0.04	1		10/07/08 18:52	PGm
	Arsenic	BRL	mg/L	1	0.04	1.8		10/07/08 18:52	PGm
	Barium	0.463	mg/L	1	0.04	100.0		10/07/08 18:52	PGm
	Beryllium	BRL	mg/L	1	0.04	0.08		10/07/08 18:52	PGm
	Cadmium	BRL	mg/L	1	0.04	0.5		10/07/08 18:52	PGm
	Chromium	0.078	mg/L	1	0.04	5.0		10/07/08 18:52	PGm
	Lead	0.294	mg/L	1	0.04	1.5		10/07/08 18:52	PGm
	Nickel	0.493	mg/L	1	0.04	70		10/07/08 18:52	PGm
	Selenium	BRL	mg/L	1	0.1	1.0		10/07/08 18:52	PGm
	Silver	BRL	mg/L	1	0.04	5.0		10/07/08 18:52	PGm
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.0005	0.2		10/07/08 15:24	TK

EPAHO102001056

QUALITY CONTROL CERTIFICATE

Job ID : 08100130 **Date :** 10/10/2008

Analysis : TCLP Metals, Mercury **Method :** SW-846 7470A **Reporting Units :** mg/L

QC Batch ID : Qb08100729 **Created Date :** 10/07/08 **Created By :** Tkhuc

Samples in This QC Batch : 08100130.01

Digestion :	PB08100714	**Prep Method :** SW-846 7470A	**Prep Date :** 10/07/08 12:00	**Prep By :**	Tkhuc
TCLP Prep :	PB08100616	**Prep Method :** SW-846 1311	**Prep Date :** 10/06/08 16:15	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005		

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	0.0044	88.2	0.005	0.0049	97.8	10.3	35	71-143	

QC Type: MS and MSD
QC Sample ID: 08100130.01

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	0.0050	101	0.005	0.0050	101	0	35	61-175	

Refer to the Definition page for terms.

EPAHO102001057

QUALITY CONTROL CERTIFICATE

Job ID : 08100130 **Date :** 10/10/2008

Analysis : TCLP Metals **Method :** SW-846 6010C **Reporting Units :** mg/L

QC Batch ID : Qb08100732 **Created Date :** 10/07/08 **Created By :** Pguirguis

Samples in This QC Batch : 08100130.01

Digestion :	PB08100717	**Prep Method :**	SW-846 3010A	**Prep Date :**	10/07/08 14:00	**Prep By :**	Pguirguis
TCLP Prep :	PB08100616	**Prep Method :**	SW-846 1311	**Prep Date :**	10/06/08 16:15	**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	0.04		
Barium	7440-39-3	BRL	mg/L	1	0.04		
Beryllium	7440-41-7	BRL	mg/L	1	0.04		
Cadmium	7440-43-9	BRL	mg/L	1	0.04		
Chromium	7440-47-3	BRL	mg/L	1	0.04		
Lead	7439-92-1	BRL	mg/L	1	0.04		
Nickel	7440-02-0	BRL	mg/L	1	0.04		
Selenium	7782-49-2	BRL	mg/L	1	0.1		
Silver	7440-22-4	BRL	mg/L	1	0.04		

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	2	2.01	101	2	2.02	101	0.49	20	80-120	
Arsenic	2	1.99	99.5	2	2.01	101	1.00	20	80-120	
Barium	2	1.87	93.5	2	1.90	95	1.59	20	80-120	
Beryllium	2	1.93	96.5	2	1.95	97.5	1.03	20	80-120	
Cadmium	2	2.00	100	2	2.04	102	1.98	20	80-120	
Chromium	2	1.87	93.5	2	1.90	95	1.59	20	80-120	
Lead	2	1.91	95.5	2	1.92	96	0.52	20	80-120	
Nickel	2	1.88	94	2	1.91	95.5	1.58	20	80-120	
Selenium	2	2.03	102	2	2.05	103	0.98	20	80-120	
Silver	2	1.95	97.5	2	1.99	99.5	2.03	20	80-120	

QC Type: MS and MSD
QC Sample ID: 08100086.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony	BRL	2	2.00	100						70-130	
Arsenic	BRL	2	1.99	99.5						45-138	
Barium	0.228	2	1.98	87.6						39-135	
Beryllium	BRL	2	1.90	95						70-130	
Cadmium	BRL	2	1.91	95.4						56-125	
Chromium	BRL	2	1.84	92						52-125	
Lead	BRL	2	1.84	92						55-125	

Refer to the Definition page for terms.

EPAHO102001058

QUALITY CONTROL CERTIFICATE

Job ID : 08100130 **Date :** 10/10/2008

Analysis : TCLP Metals **Method : SW-846 6010C** **Reporting Units : mg/L**

QC Batch ID : Qb08100732 **Created Date :** 10/07/08 **Created By :** Pguirguis

Samples in This QC Batch : 08100130.01

QC Type: MS and MSD
QC Sample ID: 08100086.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nickel	BRL	2	1.84	92						70-130	
Selenium	BRL	2	2.00	100						70-130	
Silver	BRL	2	2.01	100						26-148	

Refer to the Definition page for terms.

EPAHO102001059

A & B Labs — *Chain of Custody* — The Chain of Custody is a Legal Document — Page 1 of 1

10100 East Fwy (I-10) Ste. 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # D8100130

5. Project #

1. REPORT TO:
Company: CES ENVIRONMENTAL
Address: 4904 Gaines Road
Houston, TX 77021
Contact: GARY BRAUCKMAN
Phone: (713)676-1460
Fax: (713)676-1676
E-mail: gbrauckman@cesenvironmental.com

2. INVOICE TO:
Company: SAME
Address:
Contact:
Phone:
Fax:
E-mail:

3. PO # 1008-02

4. Turnaround Time (Business Days)
- ☐ 1 Day*
- ☐ Other
- ☐ 2 Days*
- ☐ 3 Days*
- *Surcharge applies
- ☒ 7 Days - Standard

6. Project Name/Location: VAM-USA W. RICHEY & HARDY

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): DURIN TALLAS / CES
Sampler's Signature & Date: 10/06/08

13. No. of Containers
14. Containers*
15. Preservatives**
16. PH-Lab Only
17. Analyses/Methods: TCLP 11 METALS

LAB USE ONLY	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	18. REMARKS
01A	1008-02 SANDBLAST	10/06	10:00		X								

Page 7 of 8

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1	10/06	7:05			
2					
3			21. RECEIVED BY LABORATORY	10-06-08	2:05

22. KNOWN HAZARDS/COMMENTS

Temperature: 22.0 °C

Intact Y or N Initials CV

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

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; 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 #

LAB USE ONLY SAMPLING _____ RENTAL _____ P/U _____

EPAHO102001060

Sample Condition Checklist

Date : **10/10/08**

A&B JobID : **08100130**	Date Received : **10/06/2008**	Time Received : **2:05PM**
Client Name : **CES Environmental**		
Temperature : **23.0°C**	Sample pH : **N/A**	

	Check Points	Yes	No
1.	**Cooler seal present and signed.**	N/A	
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.**	N/A	
7.	**Sample containers arrived intact. (If no comment).**	X	
8.	**Matrix :** **Water** ☐ **Soil** ☐ **Liquid** ☐ **Sludge** ☐ **Solid** ☑ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☐		
9.	**Sample(s) were received in appropriate container(s).**	X	
10.	**Sample(s) were received with proper preservative**		
11.	**All samples were logged or labeled.**	X	
12.	**Sample ID labels match C-O-C ID's**	X	
13.	**Bottle count on C-O-C matches bottles found.**	X	
14.	**Sample volume is sufficient for analyses requested.**	X	
15.	**Samples were received within the hold time.**	X	
16.	**VOA vials completely filled.**	N/A	
17.	**Sample accepted.**	X	

Comments : Include actions taken to resolve discrepancies/problem:

Sample was received without a cooler nor ice.

Received by : Cvela

Check in by/date : Cvela / 10/06/2008

EPAHO102001061

TIW 1053

[Profile # 1053]

EPAHO102001062

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

7/22/2005

Mr. Mike Manning,

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.

Profile #: 1053

Generator: TIW
Address: 12300 South Main, Houston, TX 77035
Name of Waste: NH Wash Bay Sludge
TCEQ Waste Code Number: 00036031

Waste Information
Container Type: Drum
Detailed description of process generating waste: Sludge from steam cleaning lift equipment (NO SOAPS OR SURFACTANTS USED)
Color: Brown Odor: None pH: N/A
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TIW
Address: 12300 South Main
City, State, Zip: Houston, TX 77035
Contact: Mike Mannings Title: Maintenance Manager
Phone No: 713-729-2110 Fax No: 713-728-4767
24/hr Phone: 713-729-2110
U.S. EPA I.D. No: TXCESQG
State I.D. 30292 SIC Code:

SECTION 2: Billing Information – ☐ Same as Above Bill w/ Job Folder

Company: TIW
Address: 12300 South Main
City, State, Zip: Houston TX 77035
Contact: Mike Mannings Title: Maintenance Manage
Phone No: 713-729-2110 Fax No: 713-728-4767

SECTION 3: General Description of the Waste

Name of Waste: Non Hazardous, Wash bay Sludge
Detailed Description of Process Generating Waste: Sludge from steam cleaning lift equipment. No soaps or surfactants used.

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

Color: Brown Odor: None

Specific Gravity (water=1): 1-1.3 Density: 10 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): Other:
Texas State Waste Code No: 00030031
Proper U.S. DOT Shipping Name: Non RCRA, Non Hazardous Waste
Class: UN/NA: PG: RQ:

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
		0 mg/l	0 mg/l	90 %

Oil&Grease	TOC	Zinc	Copper	Nickel
mg/l	mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO102001064

SECTION 4: Physical and Chemical Data

COMPONENTS/TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Mud	95-100%	%
Rocks/Debris	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.

____ TCLP analysis

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: 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: X [signature] **Date:** 7/8/05

Printed Name/Title: Mike Manning / Maintenance Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 7-21-05 (Approved) Rejected

Approval Number: 1053

Additional Information: ____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

EPAHO102001065

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: 50802.02

Customer: **CES Env. Svcs.**
Project ID: **TIW**
Project Loc: **Hou., TX**
Charge/P.O.: **Filters/Sludge**

Sample ID: **Steam Sludge**
Matrix: **Sludge**
Type:
RECEIVED BASIS

Environ ID: **50802.02**
Sampled: **07-01-05**
Received: **07-01-05**
Reported: **07-08-05**

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.001	mg/kg	--	0.001	SW846.8021B	DMB	07-06-05	15:57
Toluene	0.002	mg/kg	--	0.001	SW846.8021B	DMB	07-06-05	15:57
Ethylbenzene	< 0.001	mg/kg	--	0.001	SW846.8021B	DMB	07-06-05	15:57
Xylenes	< 0.003	mg/kg	--	0.003	SW846.8021B	DMB	07-06-05	15:57
Total BTEX	0.002	mg/kg			SW846.8021B	DMB	07-06-05	15:57
RCI								
Reactive Cyanide	< 20	mg/kg	250	20	SW846.7.3.3	DB	07-05-05	11:55
Reactive Sulfide	< 20	mg/kg	500	20	SW846.7.3.4	DB	07-05-05	11:55
Corrosivity (Ph)	6.60	su	=>2; =<12.5	--	SW846.9045C	MN	06-29-05	16:25
Ignitability	> 200	°F	> 140	--	SW846.1010	DB	07-08-05	13:10
METALS (RCRA) - TCLP					SW846.1311	MN	07-01-05	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Barium	0.26	mg/l	100	0.02	SW846.6010B	DB	07-06-05	11:40
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	07-06-05	11:40
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	07-06-05	11:40
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	07-06-05	11:40
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	07-06-05	07:30

Definitions:
TCLP - Toxcisity Charasteric Leaching Procedure su - Standard Units
REG - Regulatory Limit (User Should Confirm Limits)
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

EPAHO102001066

07/08/05 AM

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

Results To: Dan Bowman	Invoice To: CES
Company: CES	Company: CES
Address: 4904 Griggs Rd	Address: 4904 GRIGGS RD
City: Houston State: TX Zip: 77021	City: HOUSTON State: TX Zip: 77021
Phone: 713-854-6150	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) 2°C	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: TIW
Project Location: HOUSTON, TX
Project No: FILTERS/SLUDGE
Sampler (Print): Dan Bowman
Sampler (Sign): Dan 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	RCH	FLASH
	[2] Cntr. Type		6										
	Number		2										
	Volume		32 02										
	[3] Preservative		1										
50802.01	1) PAINT FILTERS	07/01/05 10:30 AM	SO						X	X	X		X
V. .02	2) STEAM SLUDGE	07/01/05 10:30 AM	SO		X						X	X	
	3)												
	4)												
	5)												
	6)												
	7)												
	8)												
	9)												
	10)												

Relinquished By: Dan Bowman	Company: CES	Date/Time: 7/01/05 1351	Received By: D. Benefield	Company: EEL
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.

EPAHO102001067

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1053

Generator: TIW SOUTH MAIN
Address: 12300 SOUTH MAIN
Name of Waste: WASH BAY SLUDGE
TCEQ Waste Code Number: 00036031

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge X
  Describe: _____
- Matches description from the waste profile: ☐ YES ☐ NO
- Matches general composition from the waste profile: ☐ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ~~DRUM~~ 0731
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: 362 9944
Date of Shipment: 8-2-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 4

Analyst/Sampler: Lorin Thomas Date: 8-2-05

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-1053**

Customer: **TIW (South Main)**

Waste Generator: **TIW (South Main)**

Waste Stream Name: **Non-Hazardous Wash bay sludge**

Expiration Date: **6/27/2008**

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

TIW CORP
Customer Name

Signature

MAINTENANCE MGR
Company / Title

11/5/08
Date

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: 50802.02

Customer: **CES Env. Svcs.**
Project ID: **TIW**
Project Loc: **Hou., TX**
Charge/P.O.: **Filters/Sludge**

Sample ID: **Steam Sludge**
Matrix: **Sludge**
Type:

Environ ID: **50802.02**
Sampled: **07-01-05**
Received: **07-01-05**
Reported: **07-08-05**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.001	mg/kg	--	0.001	SW846.8021B	DMB	07-06-05	15:57
Toluene	0.002	mg/kg	--	0.001	SW846.8021B	DMB	07-06-05	15:57
Ethylbenzene	< 0.001	mg/kg	--	0.001	SW846.8021B	DMB	07-06-05	15:57
Xylenes	< 0.003	mg/kg	--	0.003	SW846.8021B	DMB	07-06-05	15:57
Total BTEX	0.002	mg/kg			SW846.8021B	DMB	07-06-05	15:57
RCI								
Reactive Cyanide	< 20	mg/kg	250	20	SW846.7.3.3	DB	07-05-05	11:55
Reactive Sulfide	< 20	mg/kg	500	20	SW846.7.3.4	DB	07-05-05	11:55
Corrosivity (Ph)	6.60	su	=>2; =<12.5	--	SW846.9045C	MN	06-29-05	16:25
Ignitability	> 200	°F	> 140	--	SW846.1010	DB	07-08-05	13:10
METALS (RCRA) - TCLP					SW846.1311	MN	07-01-05	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Barium	0.26	mg/l	100	0.02	SW846.6010B	DB	07-06-05	11:40
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	07-06-05	11:40
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	07-06-05	11:40
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	07-06-05	11:40
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	07-06-05	07:30

Definitions:
TCLP - Toxcisity Charasteric Leaching Proceduresu - Standard Units
REG - Regulatory Limit (User Should Confirm Limits)
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

EPAHO102001070

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	BTEX	METHOD:	EPA SW846/5030/8021B	MATRIX:	Soil

ANALYST:	dmb	UNITS:	mg/kg	NO.SAMPLES:	19

SAMPLES:	50794-01	50802-02	50804-01	50804-02	50804-03	50804-04	50804-05	50812-01
	50812-02	50812-03	50812-04	50812-05	50812-06	50812-07	50812-08	50812-09
	50812-10	50812-11	50815-01					

MATRIX 50812-05	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%)	
									REC-RANGE	RPD
BENZ	2	99	97	96	97	1	110	0	60 - 120	20
TOL	0	99	95	95	92	4	102	0	60 - 120	20
ETBZ	0	99	91	92	96	4	99	0	60 - 120	20
XYLS	0	298	253	85	86	1	93	0	60 - 120	20
MTBE	0	99	73	74	69	7	81	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL)
Ethylbenzene (ETBZ), Xylenes (XYLS)
MTBE - Methyl-tert-butyl ether
CCV - Continuing Calibration Verification
MB - Method Blank
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
REC - Recovery Percent

JOHN KELLER, Ph.D
Lab.Dir./QA-QC Mgr.

7/18/05
DATE

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	DB	DATE:	07.06.05	UNITS:	PPM (mg/l)	NO.SAMPLES:	8

SAMPLES:	50797.01	50804.01	50804.02	50804.05	50804.04	50802.01	50802.02	50798.01

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS — BATCH ID: 50797.01

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	4.67	93	94	1	92	0	75 - 125	20
Barium	0.00	5	4.64	93	94	2	95	0	75 - 125	20
Cadmium	0.00	5	4.55	91	93	2	96	0	75 - 125	20
Chromium	0.00	5	4.62	92	94	2	91	0	75 - 125	20
Lead	0.00	5	4.62	92	95	3	95	0	75 - 125	20
Selenium	0.00	5	4.58	92	96	4	94	0	75 - 125	20
Silver	0.00	5	3.99	80	80	0	87	0	75 - 125	20

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	MERCURY	METHOD: EPA SW846/7471A	MATRIX:	TCLP Fluid #1

ANALYSTS:	MN	DATE:	07.06.05	UNITS:	mg/l	NO.SAMPLES:	7

SAMPLES:	50797.01	50802.01	50802.02	50804.01	50804.02	50804.04	50804.05	

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	100	0	1	60 - 120	20

JOHN KELLER, Ph.D
Laboratory Director

Page ___ of ___

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: Dan Bowman	Invoice To: CES
Company: CES	Company: CES
Address: 4904 Griggs Rd	Address: 4904 GRIGGS RD
City: Houston State: TX Zip: 77021	City: HOUSTON State: TX Zip: 77021
Phone: 713-854-6150	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) 2°C	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: TIW
Project Location: HOUSTON, TX
Project No: FILTERS/SLUDGE
Sampler (Print): Dan Bowman
Sampler (Sign): Dan 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	RCI	FLASH
508021.01	1) PAINT FILTERS	07/01/05 10:30 AM							X	X	X		X
V .02	2) STEAM SLUDGE	07/01/05 10:30 AM			X						X	X	
	3)												
	4)												
	5)												
	6)												
	7)												
	8)												
	9)												
	10)												

Relinquished By: Dan Bowman	Company: CES	Date/Time: 7/01/05 1351	Received By: D. Benefield Company: EEL
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

constitutes acceptance of Environ's terms and conditions in the Price Schedule.

EPAHO102001074

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-1053**

Customer: **TIW (South Main)**

Waste Generator: **TIW (South Main)**

Waste Stream Name: **Non-Hazardous Wash bay sludge**

Expiration Date: **6/27/2008**

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

TIW CORP
Customer Name

Signature

MAINTENANCE MGR
Company / Title

11/5/08
Date

Laboratory Analysis Report

Total Number of Pages: 12

Job ID : 08110133

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
1108-16,17 TIW Houston, TX

Report To :	Client Name:	CES Environmental	P.O.#.: 1108-16
	Attn:	Dan Bowman	Sample Collected By: Duram Z.
	Client Address:	4904 Griggs Rd	Date Collected: 11/06/08
	City, State, Zip:	Houston, Texas, 77021	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
1109-16 Swage	Sludge	08110133.01

Shantall Carpenter

Released By: Shantall Carpenter
Title: Project Manager
Date: 11/18/2008

This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

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.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 11/06/2008 14:30

EPAHO102001076

Laboratory Report: Case Narrative

A&B Job ID: 08110133

Date: 11/18/08

Client Name: CES Environmental

Attn: Dan Bowman

Project Name: 1108-16,17 TIW Houston, TX

Date Received: 11/06/08

Collected By: Duram Z.

Insufficient sample volume was received for sample "1108-17 Paint Filters" for all requested analyses. The sample was placed on hold pending additional sample volume per phone conversation with Morgan McCarley on November 6, 2008.

Please feel free to contact us with any questions or concerns regarding your analytical report.

A&B is pleased to be of service to you and we look forward to fulfilling all of your current and future analytical needs.

Shantall Carpenter

Released By: Shantall Carpenter

Title: Project Manager

EPAHO102001077

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 08110133

Date: 11/18/2008

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

EPAHO102001078

LABORATORY TEST RESULTS

Job ID : 08110133

Date 11/18/2008

Client Name: CES Environmental
Attn: Dan Bowman
Project Name: 1108-16,17 TIW Houston, TX

Client Sample ID: 1109-16 Swage
Date Collected: 11/06/08
Time Collected: 12:00
Other Information:

Job Sample ID: 08110133.01
Sample Matrix Sludge

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				11/11/08 08:00	SG
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.04	5.0		11/07/08 21:40	PGm
	Barium	1.07	mg/L	1	0.04	100.0		11/07/08 21:40	PGm
	Cadmium	BRL	mg/L	1	0.04	1.0		11/07/08 21:40	PGm
	Chromium	BRL	mg/L	1	0.04	5.0		11/07/08 21:40	PGm
	Lead	0.153	mg/L	1	0.04	5.0		11/07/08 21:40	PGm
	Selenium	BRL	mg/L	1	0.1	1.0		11/07/08 21:40	PGm
	Silver	BRL	mg/L	1	0.04	5.0		11/07/08 21:40	PGm
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/Kg	1	25			11/07/08 08:05	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	BRL	mg/Kg	1	25			11/07/08 08:05	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.0005	0.2		11/17/08 16:45	BS
SW-846 9045D	Corrosivity, pH								
	pH	7.88	s.u.					11/07/08 09:30	SG

EPAHO102001079

QUALITY CONTROL CERTIFICATE

Job ID : 08110133 **Date :** 11/18/2008

Analysis : Corrosivity, pH **Method : SW-846 9045D** **Reporting Units : s.u.**

QC Batch ID : Qb08110705 **Created Date :** 11/07/08 **Created By :** Sgarcia

Samples in This QC Batch : 08110133.01

QC Type: Duplicate

QC Sample ID: 08110133.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	7.87	7.88	s.u.	0.12	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.00	4.04							3.95-4.05	

Refer to the Definition page for terms.

EPAHO102001080

QUALITY CONTROL CERTIFICATE

Job ID : 08110133 **Date :** 11/18/2008

Analysis : Reactive Sulfide **Method : SW-846 7.3** **Reporting Units : mg/Kg**

QC Batch ID : Qb08110719 **Created Date :** 11/07/08 **Created By :** Ksudha

Samples in This QC Batch : 08110133.01

Sample Preparation : PB08110709 **Prep Method :** SW-846 7.3 **Prep Date :** 11/07/08 08:00 **Prep By :** Ksudha

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: 08110014.01

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	760	600	78.9	760	640	84.2	6.45	20	40-120	

Refer to the Definition page for terms.

EPAHO102001081

QUALITY CONTROL CERTIFICATE

Job ID : 08110133 **Date :** 11/18/2008

Analysis : Reactive Cyanide **Method : SW-846 7.3** **Reporting Units : mg/Kg**

QC Batch ID : Qb08110720 **Created Date :** 11/07/08 **Created By :** Ksudha

Samples in This QC Batch : 08110133.01

Sample Preparation : PB08110710 **Prep Method :** SW-846 7.3 **Prep Date :** 11/07/08 08:00 **Prep By :** Ksudha

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: 08110014.01

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	5.0	2.18	43.6	5.0	2.28	45.6	4.48	20	40-120	

Refer to the Definition page for terms.

EPAHO102001082

QUALITY CONTROL CERTIFICATE

Job ID : 08110133 **Date :** 11/18/2008

Analysis : TCLP Metals **Method : SW-846 6010C** **Reporting Units : mg/L**

QC Batch ID : Qb08110730 **Created Date :** 11/07/08 **Created By :** Pguirguis

Samples in This QC Batch : 08110133.01

Digestion :	PB08110715	**Prep Method :** SW-846 3010A	**Prep Date :**	11/07/08 14:00	**Prep By :**	Pguirguis
TCLP Prep :	PB08110711	**Prep Method :** SW-846 1311	**Prep Date :**	11/06/08 17:00	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.04		
Barium	7440-39-3	BRL	mg/L	1	0.04		
Cadmium	7440-43-9	BRL	mg/L	1	0.04		
Chromium	7440-47-3	BRL	mg/L	1	0.04		
Lead	7439-92-1	BRL	mg/L	1	0.04		
Selenium	7782-49-2	BRL	mg/L	1	0.1		
Silver	7440-22-4	BRL	mg/L	1	0.04		

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	2	2.27	114	2	2.29	115	0.88	20	80-120	
Barium	2	2.05	103	2	2.07	104	0.97	20	80-120	
Cadmium	2	2.19	110	2	2.22	111	1.36	20	80-120	
Chromium	2	2.09	105	2	2.12	106	1.43	20	80-120	
Lead	2	2.11	106	2	2.12	106	0.47	20	80-120	
Selenium	2	2.22	111	2	2.25	113	1.34	20	80-120	
Silver	2	2.15	108	2	2.18	109	1.39	20	80-120	

QC Type: MS and MSD
QC Sample ID: 08110133.01

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	2.18	109						45-138	
Barium	1.07	2	2.84	88.5						39-135	
Cadmium	BRL	2	2.10	105						56-125	
Chromium	BRL	2	1.99	99.5						52-125	
Lead	0.153	2	2.09	96.9						55-125	
Selenium	BRL	2	2.17	108						70-130	
Silver	BRL	2	2.13	106						26-148	

Refer to the Definition page for terms.

EPAHO102001083

QUALITY CONTROL CERTIFICATE

Job ID : 08110133 **Date :** 11/18/2008

Analysis : Ignitability (Flash Point) **Method : SW-846 1010** **Reporting Units : °F**

QC Batch ID : Qb08111120 **Created Date :** 11/11/08 **Created By :** Sgarcia

Samples in This QC Batch : 08110133.01

QC Type: Duplicate

QC Sample ID: 08110074.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F	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
Ignitability	83	85	102	83	85	102	0	20	75-125	

Refer to the Definition page for terms.

EPAHO102001084

QUALITY CONTROL CERTIFICATE

Job ID : 08110133 **Date :** 11/18/2008

Analysis : TCLP Metals, Mercury **Method : SW-846 7470A** **Reporting Units : mg/L**

QC Batch ID : Qb08111802 **Created Date :** 11/17/08 **Created By :** Pguirguis

Samples in This QC Batch : 08110133.01

Digestion :	PB08111802	**Prep Method :** SW-846 7470A	**Prep Date :**	11/17/08 10:00	**Prep By :**	Pguirguis
TCLP Prep :	PB08110711	**Prep Method :** SW-846 1311	**Prep Date :**	11/06/08 17:00	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005		

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	92.4	0.005	0.0047	93.6	1.29	35	71-143	

QC Type: MS and MSD
QC Sample ID: 08110256.01

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	0.0047	94.6						61-175	

Refer to the Definition page for terms.

EPAHO102001085

A & B Labs — *Chain of Custody* — The Chain of Custody is a Legal Document — Page 1 of 1

10100 East Fwy (I-10) Ste. 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 08110133

5. Project #

1. REPORT TO:
Company: CES Environmental
Address: 4604 Gellhorn Road
Houston, TX 77021
Contact: Dan Bowman
Phone: (713) 676-1460
Fax: ☒ (713) 676-1676
E-mail: ☒ dbowman@cesenviron...

2. INVOICE TO:
Company: Same
Address:
Contact:
Phone:
Fax: ☐
E-mail: ☐

3. PO # 1108-16

4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project Name/Location: TIW Houston, TX

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Dustin Zaffino / CES
Sampler's Signature & Date: 11/6

LAB USE ONLY	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	Analyses/Methods: TCLP Metals	TCLP Volatiles	TCLP Semi-Volatiles	RCI	Ignitability			18. REMARKS
D1A	1108-16 SLUDGE	11/6	12:00		X			X					X			X				
D2A	1108-17 PAINT FILTERS	11/6	12:00								X		X	X	X		X			

Page 1 of 12

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1	11/6	2:30			
2					
3			21. RECEIVED BY LABORATORY	11/6/08	2:30

22. KNOWN HAZARDS/COMMENTS

Temperature: 23.1 °C

Intact (Y) or N Initials

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; 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 #

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

LAB USE ONLY SAMPLING _____ RENTAL _____ P/U _____

EPAHO102001086

Sample Condition Checklist

Date : **11/18/08**

A&B JobID : **08110133**	Date Received : **11/06/2008**	Time Received : **2:30PM**
Client Name : **CES Environmental**		
Temperature : **23.1°C**	Sample pH : **N/A**	

	Check Points	Yes	No
1.	**Cooler seal present and signed.**	N/A	
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.**	N/A	
7.	**Sample containers arrived intact. (If no comment).**	X	
8.	**Matrix :** **Water** ☐ **Soil** ☐ **Liquid** ☐ **Sludge** ☑ **Solid** ☑ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☐		
9.	**Sample(s) were received in appropriate container(s).**	X	
10.	**Sample(s) were received with proper preservative**		
11.	**All samples were logged or labeled.**	X	
12.	**Sample ID labels match C-O-C ID's**	X	
13.	**Bottle count on C-O-C matches bottles found.**	X	
14.	**Sample volume is sufficient for analyses requested.**		X
15.	**Samples were received within the hold time.**	X	
16.	**VOA vials completely filled.**	N/A	
17.	**Sample accepted.**	X	

Comments : Include actions taken to resolve discrepancies/problem:

Not enough sample to run all analysis for sample 1108-17 Paint filters. Talked to Morgan more sample will be sent.

Received by : Revathi

Check in by/date : Revathi / 11/06/2008

EPAHO102001087

TIW 1054

[Profile # 1054]

EPAHO102001088

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

7/22/2005

Mr. Mike Manning,

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.

Profile #: 1054

Generator: TIW
Address: 12300 South Main, Houston, TX 77035
Name of Waste: NH Solids
TCEQ Waste Code Number: 00053191

Waste Information
Container Type: Drum
Detailed description of process generating waste: Unused product (solidified) in 5 gallon buckets
Color: Yellow to Brown Odor: None pH: N/A
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TIW
Address: 12300 South main
City, State, Zip: Houston, TX 77035
Contact: Mike Manning Title: Maintenance Manager
Phone No: 713-729-2110 Fax No: 713-728-4767
24/hr Phone: 713-729 2110
U.S. EPA I.D. No: TXCESQG
State I.D. 30292 SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: TIW
Address: 12300 South Main
City, State, Zip: Houston, TX 77035
Contact: Mike Manning Title: Maintenance Manager
Phone No: 713-729-2110 Fax No: 713-728-4767

SECTION 3: General Description of the Waste

Name of Waste: Non-RCRA, Non Hazardous Solids
Detailed Description of Process Generating Waste: Unused Product (Solidified) in 5 gallon bucket

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

Color: Yellow - Brown Odor: ____

Specific Gravity (water=1): 1-1.3 Density: 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: ____ ____ ____ 5 gallon

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 13 Other: ____
Texas State Waste Code No: 00053191
Proper U.S. DOT Shipping Name: Non RCRA, Non Hazardous Waste
Class: ____ UN/NA: ____ PG: ____ RQ: ____

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
____	____	____ mg/l	____ mg/l	____ %

Oil&Grease	TOC	Zinc	Copper	Nickel
____ mg/l	____ mg/l	____ mg/l	____ mg/l	____ mg/l

EPAHO102001090

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Unused ASTEC #900	100	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.

MSDS Sheets

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: 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:** 7/8/05

Printed Name/Title: Mike Manning / Maintenance Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 7-21-05 (Approved) Rejected

Approval Number: 1054

Additional Information: _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

EPAHO102001091

MATERIAL SAFETY DATA SHEET

OSHA - Meets 29 CFR 1910.1200 Standards

ASTEC®

HMIS HAZARD RATINGS			
HEALTH	1	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	0	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

TRANSPORTATION INFORMATION			
PROPER SHIPPING NAME:	Not Regulated		
HAZARD CLASS / PKG GRP:	None / None	REF:	Not Applicable
IDENTIFICATION NUMBER:	None	LABEL:	None Required

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)
ASTEC # 900

MANUFACTURER'S NAME Insulating Coatings Corporation	EMERGENCY TELEPHONE NUMBER CHEM - TEL (800) 255-3924 Outside USA (813) 248-0573
ADDRESS (NUMBER, STREET, P.O. BOX) 956 South Hwy 41	TELEPHONE NUMBER FOR INFORMATION (800) 345-5306
(CITY, STATE AND ZIP CODE) Inverness, FL 34450-	DATE PREPARED: November 18, 2000 SUPERSEDES: April 22, 1993

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAME(S))	CAS #	% (OPTIONAL)	OSHA PEL PPM	OSHA PEL MG/M³	ACGIH TWA PPM	ACGIH TWA MG/M³	SARA TITLE III	RQ LBS
Ethylene glycol (a,b,c)	107-21-1	1 - 5	50 C			100 C	Yes	5000
Zinc oxide (as zinc) (a)	1314-13-2	1 - 5		15		10	Yes	

(a) A "YES" in the SARA TITLE III column in Section 2 indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

(b) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture > 24,000 lbs) or greater amounts, according to 40 CFR 302.

(c) A "C" in the OSHA PEL or ACGIH TWA column indicates ceiling limits, the concentration that should not be exceeded during any part of the working exposure.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE	EMERGENCY AND FIRST AID PROCEDURES
INHALATION: None expected, however, certain individuals may be sensitized and experience minor nausea or headaches.	INHALATION: Remove affected person to fresh air; if symptoms persist seek medical attention.
SKIN: None expected, however, prolonged contact may cause irritation.	SKIN: Remove contaminated clothing; wash effected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.
EYES: This product is an eye irritant. Contact with the eyes will cause irritation.	EYES: Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
INGESTION: May cause gastric distress, vomiting and diarrhea.	INGESTION: Give two glasses of water for dilution; DO NOT induce vomiting; seek medical attention; never give anything by mouth to an unconscious person.

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute effects are possible irritation and discomfort; no known chronic effects have been established.

CARCINOGENICITY	NTP?	No	IARC MONOGRAPHS?	No	OSHA REGULATED?	No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)
ASTEC # 900

Date: November 18, 2000

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)	NFPA RATING	FLAMMABLE LIMITS	
Non-flammable	None	LEL: Not applicable	UEL: Not applicable

EXTINGUISHING MEDIA
Carbon dioxide, water, water fog, dry chemical, chemical foam

SPECIAL FIRE FIGHTING PROCEDURES
Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

SECTION 5 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills - wash to sanitary sewer with plenty of water. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container; for spills in excess of allowable limits (RQ) notify the National Response Center (800) 424 - 8802; refer to SARA Title III, Section 313 40 CFR 372, and CERCLA 40 CFR 302 for complete regulations concerning reporting requirements.

SECTION 6 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): None required; however, if misting occurs, NIOSH approved respirator capable of removing particulate from air must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

VENTILATION		
LOCAL EXHAUST: Not necessary	SPECIAL: None	
MECHANICAL (GENERAL): Recommended	OTHER: None	

PROTECTIVE GLOVES: Recommended for general protection
EYE PROTECTION: Safety goggles with side shields

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT 212° F	SPECIFIC GRAVITY (WATER = 1) 1.190
VAPOR PRESSURE (MM Hg) 17 mm Hg @ 20 ° C	VOLATILE ORGANIC COMPOUNDS (VOC's) 0.1 lbs / gallon
VAPOR DENSITY (AIR = 1) < 1	EVAPORATION RATE (n-Butyl Acetate = 1) < 1
SOLUBILITY IN WATER Partially soluble	% VOLATILE (BY WEIGHT) 29%
APPEARANCE AND ODOR White viscous liqid, slight characteristic acrylic odor	pH 9.0 - 9.8

SECTION 9 - STABILITY AND REACTIVITY

STABILITY	
UNSTABLE:	CONDITIONS TO AVOID:
STABLE: XXX	Extreme temperatures

INCOMPATIBILITY (MATERIALS TO AVOID):
Strong oxidizers, strong acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

HAZARDOUS POLYMERIZATION	
MAY OCCUR:	CONDITIONS TO AVOID:
WILL NOT OCCUR: XXX	None

SECTION 10 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Products classified as non - hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1054

Generator: TIW (SOUTH MAIN)
Address: 12300 SOUTH MAIN HOUSTON, TX 77035
Name of Waste: AZTEC 900
TCEQ Waste Code Number: 00053191

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☐ YES ☐ NO
- Matches general composition from the waste profile: ☐ YES ☐ NO
- pH of liquid (water phase): NA
- Odor: NONE
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ~~DRUM~~ OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: 3629944
Date of Shipment: 8-2-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 1

Analyst/Sampler: Joan Thomas Date: 8-2-05

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 #: 1054

Customer: TIW (South Main)

Waste Generator: TIW (South Main)

Waste Stream Name: Non-RCRA, Non-Hazardous Solids

Expiration Date: 6/27/2008

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

MICHAEL MANNING
Customer Name

Michael Manning
Signature

MAINTENANCE MANAGER
Company / Title

6/25/2008
Date

✓

TIW 1055

[Profile # 1055]

EPAHO102001096

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

7/22/2005

Mr. Mike Manning,

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.

Profile #: 1055

Generator: TIW
Address: 12300 South Main, Houston, TX 77035
Name of Waste: NH Paint Filters
TCEQ Waste Code Number: 00053191

Waste Information
Container Type: Drum
Detailed description of process generating waste: Used paint filters stored in drums with water
Color: Varies Odor: None pH: N/A
Physical State: Sludge
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: TIW
Address: 12300 South Main
City, State, Zip: Houston, TX 77035
Contact: Mike Mannings Title: Maintenance Manager
Phone No: 713-729-2110 Fax No: 713-728-4767
24/hr Phone: 713-729-2110
U.S. EPA I.D. No: TX CESQG
State I.D. 30292 SIC Code:

SECTION 2: Billing Information – ☐ Same as Above Bill w/ Job Folder

Company: TIW
Address: 12300 South Main
City, State, Zip: Houston TX 77035
Contact: Mike Mannings Title: Maintenance Manager
Phone No: 713-729-2110 Fax No: 713-728-4767

SECTION 3: General Description of the Waste

Name of Waste: Non Hazardous Paint Filters
Detailed Description of Process Generating Waste: Used Paint filters stored in drums w/water Paints were solvent based
Physical State: ☐ Liquid ☒ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color: Various Odor: Non

Specific Gravity (water=1): 1-1.2 Density: 10 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): ____ Other: ____
Texas State Waste Code No: 0005 3191
Proper U.S. DOT Shipping Name: Non RCRA, NM Hazardous Waste
Class: ✓ UN/NA: ✓ PG: ✓ RQ: ✓

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
		0 mg/l	0 mg/l	90 %

Oil&Grease	TOC	Zinc	Copper	Nickel
✓ mg/l	✓ mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO102001098

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	0-10%	%
Paint Filters	90-100%	%

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.

____ TCLP Analysis

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: X
Corrosivity: X
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:** 7/8/05

Printed Name/Title: Mike Manning / Maintenance Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 7-21-05 Approved Rejected

Approval Number: 1055

Additional Information: ____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

EPAHO102001099

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: 50802.01

Customer: **CES Env. Svcs.** | Sample ID: **Paint Filters** | Environ ID: **50802.01**
Project ID: **TIW** | Sampled: **07-01-05**
Project Loc: **Hou., TX** | Matrix: **Solid** | Received: **07-01-05**
Project No: **Filters/Sludge** | Type: | Reported: **07-08-05**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
FLASH								
Ignitability	> 200	°F	> 140	--	SW846.1010	DB	07-08-05	13:10
METALS (RCRA) - TCLP					SW846.1311	MN	07-01-05	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Barium	1.08	mg/l	100	0.02	SW846.6010B	DB	07-06-05	11:40
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	07-06-05	11:40
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	07-06-05	11:40
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	07-06-05	11:40
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	07-06-05	07:30
VOC - TCLP (Dilution Factor: 1.0)					SW846.1311	MN	07-01-05	
Benzene	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	07-07-05	15:20
2-Butanone (MEK)	< 0.025	mg/l	200.0	0.025	SW846.8260B	HDG	07-07-05	15:20
Carbon tetrachloride	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	07-07-05	15:20
Chlorobenzene	< 0.005	mg/l	100	0.005	SW846.8260B	HDG	07-07-05	15:20
Chloroform (Trichloromethan	< 0.005	mg/l	6.0	0.005	SW846.8260B	HDG	07-07-05	15:20
1,2-Dichloroethane (EDC)	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	07-07-05	15:20
1,1-Dichloroethene	< 0.005	mg/l	0.7	0.005	SW846.8260B	HDG	07-07-05	15:20
Tetrachloroethene	< 0.005	mg/l	0.7	0.005	SW846.8260B	HDG	07-07-05	15:20
Trichloroethene	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	07-07-05	15:20
Vinyl chloride	< 0.010	mg/l	0.2	0.010	SW846.8260B	HDG	07-07-05	15:20
SVOC - TCLP (Conc. Factor: 50)					SW846.1311	MN	07-01-05	
1,4-Dichlorobenzene	< 0.025	mg/l	7.5	0.025	SW846.8270C	JAC	07-08-05	13:16
2,4-Dinitrotoluene	< 0.025	mg/l	0.13	0.025	SW846.8270C	JAC	07-08-05	13:16
Hexachlorobenzene	< 0.025	mg/l	0.13	0.025	SW846.8270C	JAC	07-08-05	13:16
Hexachlorobutadiene	< 0.025	mg/l	0.50	0.025	SW846.8270C	JAC	07-08-05	13:16
Hexachloroethane	< 0.025	mg/l	3.0	0.025	SW846.8270C	JAC	07-08-05	13:16
2-Methylphenol (o-Cresol)	< 0.025	mg/l	(200)	0.025	SW846.8270C	JAC	07-08-05	13:16
3&4-Methylphenol (m&p-Cre	< 0.025	mg/l	(o+m+p)	0.025	SW846.8270C	JAC	07-08-05	13:16
Nitrobenzene	< 0.025	mg/l	2.0	0.025	SW846.8270C	JAC	07-08-05	13:16
Pentachlorophenol	< 0.025	mg/l	100	0.025	SW846.8270C	JAC	07-08-05	13:16
Pyridine	< 0.100	mg/l	5.0	0.100	SW846.8270C	JAC	07-08-05	13:16
2,4,5-Trichlorophenol	< 0.025	mg/l	400	0.025	SW846.8270C	JAC	07-08-05	13:16
2,4,6-Trichlorophenol	< 0.025	mg/l	2.0	0.025	SW846.8270C	JAC	07-08-05	13:16

TCLP VOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Dibromofluoromethane (SS)	0.057	114	76-114
Toluene-d8 (SS)	0.050	100	80-120
4-Bromofluorobenzene (SS)	0.050	100	80-120

TCLP SVOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Nitrobenzene-d5	0.032	64	35-114
2-Fluorobiphenyl	0.027	54	43-116
Terphenyl-d14	0.030	60	33-141
Phenol-d5	0.050	50	21-100
2-Fluorophenol	0.031	31	10-100
2,4,6-Tribromophenol	0.063	63	10-123

Definitions:
TCLP - Toxcisity Charasteric Leaching Procedure
REG - Regulatory Limit (User Should Confirm Limit
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

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO102001100

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1055

Generator: TJW (SOUTH MAIN)
Address: 13000 SOUTH MAIN HOUSTON, TX 77035
Name of Waste: PAINT FILTER
TCEQ Waste Code Number: 00053191

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: VARIES
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid____ Solid____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☐ YES ☐ NO
- Matches general composition from the waste profile: ☐ YES ☐ NO
- pH of liquid (water phase): NA
- Odor: NONE
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): 07B1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 362 9944
Date of Shipment: 8-2-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: Loren Thomas Date: 8-2-05

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-1055**

Customer: **TIW (South Main)**

Waste Generator: **TIW (South Main)**

Waste Stream Name: **Non-Hazardous Paint Filters**

Expiration Date: **6/27/2008**

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

MICHAEL C MANNING
Customer Name

Signature

TIW CORP MAINTENANCE MG
Company / Title

11/6/08
Date

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: 50802.01

Customer: **CES Env. Svcs.** | Sample ID: **Paint Filters** | Environ ID: **50802.01**
Project ID: **TIW** | Sampled: **07-01-05**
Project Loc: **Hou., TX** | Matrix: **Solid** | Received: **07-01-05**
Project No: **Filters/Sludge** | Type: | Reported: **07-08-05**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
FLASH								
Ignitability	> 200	°F	> 140	--	SW846.1010	DB	07-08-05	13:10
METALS (RCRA) - TCLP					SW846.1311	MN	07-01-05	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Barium	1.08	mg/l	100	0.02	SW846.6010B	DB	07-06-05	11:40
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	07-06-05	11:40
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	07-06-05	11:40
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	07-06-05	11:40
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	07-06-05	11:40
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	07-06-05	07:30
VOC - TCLP (Dilution Factor: 1.0)					SW846.1311	MN	07-01-05	
Benzene	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	07-07-05	15:20
2-Butanone (MEK)	< 0.025	mg/l	200.0	0.025	SW846.8260B	HDG	07-07-05	15:20
Carbon tetrachloride	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	07-07-05	15:20
Chlorobenzene	< 0.005	mg/l	100	0.005	SW846.8260B	HDG	07-07-05	15:20
Chloroform (Trichloromethan	< 0.005	mg/l	6.0	0.005	SW846.8260B	HDG	07-07-05	15:20
1,2-Dichloroethane (EDC)	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	07-07-05	15:20
1,1-Dichloroethene	< 0.005	mg/l	0.7	0.005	SW846.8260B	HDG	07-07-05	15:20
Tetrachloroethene	< 0.005	mg/l	0.7	0.005	SW846.8260B	HDG	07-07-05	15:20
Trichloroethene	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	07-07-05	15:20
Vinyl chloride	< 0.010	mg/l	0.2	0.010	SW846.8260B	HDG	07-07-05	15:20
SVOC - TCLP (Conc. Factor: 50)					SW846.1311	MN	07-01-05	
1,4-Dichlorobenzene	< 0.025	mg/l	7.5	0.025	SW846.8270C	JAC	07-08-05	13:16
2,4-Dinitrotoluene	< 0.025	mg/l	0.13	0.025	SW846.8270C	JAC	07-08-05	13:16
Hexachlorobenzene	< 0.025	mg/l	0.13	0.025	SW846.8270C	JAC	07-08-05	13:16
Hexachlorobutadiene	< 0.025	mg/l	0.50	0.025	SW846.8270C	JAC	07-08-05	13:16
Hexachloroethane	< 0.025	mg/l	3.0	0.025	SW846.8270C	JAC	07-08-05	13:16
2-Methylphenol (o-Cresol)	< 0.025	mg/l	(200)	0.025	SW846.8270C	JAC	07-08-05	13:16
3&4-Methylphenol (m&p-Cre	< 0.025	mg/l	(o+m+p)	0.025	SW846.8270C	JAC	07-08-05	13:16
Nitrobenzene	< 0.025	mg/l	2.0	0.025	SW846.8270C	JAC	07-08-05	13:16
Pentachlorophenol	< 0.025	mg/l	100	0.025	SW846.8270C	JAC	07-08-05	13:16
Pyridine	< 0.100	mg/l	5.0	0.100	SW846.8270C	JAC	07-08-05	13:16
2,4,5-Trichlorophenol	< 0.025	mg/l	400	0.025	SW846.8270C	JAC	07-08-05	13:16
2,4,6-Trichlorophenol	< 0.025	mg/l	2.0	0.025	SW846.8270C	JAC	07-08-05	13:16

TCLP VOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Dibromofluoromethane (SS)	0.057	114	76-114
Toluene-d8 (SS)	0.050	100	80-120
4-Bromofluorobenzene (SS)	0.050	100	80-120

TCLP SVOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Nitrobenzene-d5	0.032	64	35-114
2-Fluorobiphenyl	0.027	54	43-116
Terphenyl-d14	0.030	60	33-141
Phenol-d5	0.050	50	21-100
2-Fluorophenol	0.031	31	10-100
2,4,6-Tribromophenol	0.063	63	10-123

Definitions: TCLP - Toxcisity Charasteric Leaching Procedure; su - Standard Units; REG - Regulatory Limit (User Should Confirm Limit; VOC - Volatile Organic Compounds; MQL - Method Quanitation Limit; SVOC - Semivolatile Organic Compounds; PPM - Parts Per Million; mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO102001103

1060 South Coast Terminal (Wallisville)

[Profile #1060]

EPAHO102001104

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

7/25/2005

Mr. Daryl 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.

Profile #: 1060

Generator: South Coast Terminals
Address: 7401 Wallisville Road, Houston, TX 77020
Name of Waste: Waste Liquids and Sludge
TCEQ Waste Code Number: 99212191

Waste Information
Container Type: Drum
Detailed description of process generating waste: Cleanings and flushings of tanks and lines from a lube oil blending and packaging operation
Color: Dark Odor: Hydrocarbon pH: 4-11
Physical State: Liquid; Sludge
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	South Coast Terminals		
Address:	7401 Wallisville Road		
City, State, Zip:	Houston, TX 77020		
Contact:	Daryl Poe	**Title:**	HS&E 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.	31413	**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: Waste Liquids and Sludge
Detailed Description of Process Generating Waste: Cleanings and flushings of tanks and lines from a lube oil blending and packaging operation

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

Color: Dark **Odor:** Hydrocarbon

Specific Gravity (water=1): 1.05-1.1 **Density:** 9.1 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): 75 **Other:** ____
Texas State Waste Code No: 99212191
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated waste sludge
Class: ____ **UN/NA:** ____ **PG:** ____ **RQ:** ____

Flash Point >200	**pH** 4-11	**Reactive Sulfides** BRLmg/l	**Reactive Cyanides** BRLmg/l	**Solids** 20-30%
Oil&Grease >100mg/l	**TOC** BRLmg/l	**Zinc** BRLmg/l	**Copper** BRLmg/l	**Nickel** BRLmg/l

EPAHO102001106

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	30-50	%
Virgin Oil and Oil Additives (see MSDSheets)	25-25	%
Poly Alcohols	20-35	%
Glycol Ethers	5-10	%
[redacted] other Chemicals	25-50	%

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~~ MSD Sheets

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 Metals are below regulatory limits
TCLP Volatiles:	TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles:	TCLP Semi-Volatiles are below regulatory limits
Reactivity:	No reactive materials are introduced into the process
Corrosivity:	pH is nuetral
Ignitability:	No ignitable materials are introduced into the process

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: Danyle Poe Date: July 18, 2005

Printed Name/Title: DANYLE POE / HSE MNG.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Matt Brown

Date: 7-22-05 (Approved) Rejected

Approval Number: 1060

Additional Information:

EPAHO102001107

NON-HAZ

Material Safety Data Sheet

The Dow Chemical Company
Midland, Michigan 48674

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

24-Hour Emergency Phone Number: 989-636-4400

Product: DAXAD** 14C (553-01) DISPERSING AGENT

Additive

Product Code: 61777

Effective Date: 12/05/03 Date Printed: 01/01/04 MSD: 006964

The Dow Chemical Company, Midland, MI 48674

Customer Information Center: 800-258-2436

2. COMPOSITION/INFORMATION ON INGREDIENTS

Potassium naphthalene sulfonate/ formaldehyde polymer	CAS# 067828-14-2	16.2-22.0%
Naphthalene sulfonic acid, formaldehyde, sodium salt copolymer	CAS# 009084-06-4	16.2-22.0%
Sodium sulfate	CAS# 007757-82-6	3.6-8.1%
Water	CAS# 007732-18-5	58-59.5%
Potassium sulfate	CAS# 007778-80-5	3.6-8.1%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

****
* Brown liquid. Slight mothball odor. May cause respiratory tract *
* irritation. *
****

POTENTIAL HEALTH EFFECTS (See Section 11 for toxicological data.)

EYE: May cause slight temporary eye irritation. Corneal injury is unlikely.

SKIN: Essentially non-irritating to skin. Prolonged skin contact is unlikely to result in absorption of harmful amounts. Under normal processing conditions, material is heated to elevated temperatures; contact with the material may cause thermal burns.

INGESTION: Low toxicity if swallowed. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Swallowing may result in gastrointestinal irritation.

(Continued on page 2 , over)

* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

Printed on Recycled and Recyclable Paper

INHALATION: Mist may cause irritation of the upper respiratory tract (nose and throat) and lungs.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: No relevant information found.

CANCER INFORMATION: No relevant information found.

TERATOLOGY (BIRTH DEFECTS): For the minor component(s) sodium sulfate. Screening studies in animals suggest that this material has a potential to affect fetal development.

REPRODUCTIVE EFFECTS: No relevant information found.

4. FIRST AID

EYE: Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

SKIN: Immediately flush skin with water while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Contaminated leather items such as shoes should be disposed of properly.

INGESTION: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

INHALATION: Move person to fresh air; if effects occur, consult a physician.

NOTE TO PHYSICIAN: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASH POINT: Not applicable.
METHOD USED: Not applicable.
AUTOIGNITION TEMPERATURE: Not applicable.

FLAMMABILITY LIMITS

(Continued on page 3)
* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

LFL: Not applicable.
UFL: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to sulfur oxides, carbon monoxide and carbon dioxide.

OTHER FLAMMABILITY INFORMATION: This material will not burn until the water has evaporated. Residue can burn.

EXTINGUISHING MEDIA: To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical or foam.

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

6. ACCIDENTAL RELEASE MEASURES (See Section 15 for Regulatory Information)

PROTECT PEOPLE: Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls/Personal Protection.

PROTECT THE ENVIRONMENT: Prevent from entering into soil, ditches, sewers, waterways and or groundwater. See Section 12, Ecological Information.

CLEANUP: Contain spilled material if possible. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations for additional information.

7. HANDLING AND STORAGE

HANDLING: Avoid breathing mist. Use with adequate ventilation. Keep container closed. See Section 8, Exposure Controls/

(Continued on page 4 , over)
* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

Personal Protection.

STORAGE: Store in a dry place. Store away from incompatible materials. See Reactivity and Stability Section.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guideline.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Use chemical goggles. Wear a face-shield which allows use of chemical goggles, or wear a full-face respirator, to protect face and eyes when there is any likelihood of splashes. Eye wash fountain should be located in immediate work area.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed. Use gloves with insulation for thermal protection, when needed.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. If respiratory irritation is experienced, use an approved air-purifying respirator.

EXPOSURE GUIDELINES: Sodium sulfate: Dow IHG is 10 mg/m3.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Brown liquid.
ODOR: Slight mothball odor.
VAPOR PRESSURE: 17 mmHg
VAPOR DENSITY: <1.0 mmHg
BOILING POINT: 212F
SOLUBILITY IN WATER/MISCIBILITY: Miscible with water.
SPECIFIC GRAVITY OR DENSITY: 1.25
pH: 9.0 - 10.5

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Thermally stable at typical use temperatures.

CONDITIONS TO AVOID: Some components of this product can decompose at elevated temperatures.

(Continued on page 5)
* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products depend upon temperature, air supply and the presence of other materials.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION (See Section 3 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1)

SKIN: The LD50 for skin absorption in rabbits is >16,000 mg/kg.

INGESTION: The oral LD50 for rats is 3250-4300 mg/kg.

MUTAGENICITY: No relevant information found.

12. ECOLOGICAL INFORMATION (For detailed Ecological data, write or call the address or non-emergency number shown in Section 1)

ENVIRONMENTAL FATE

MOVEMENT & PARTITIONING: No bioconcentration is expected because of the relatively high water solubility.

DEGRADATION & PERSISTENCE: Biodegradation under aerobic static laboratory conditions is low (BOD20 or BOD28/ThOD between 2.5 and 10%). 28-Day biochemical oxygen demand (BOD28) is 9.7% of ThOD. Mean biodegradation reached in the Modified SCAS Test (OECD Test No. 302 A): 3.91%.

ECOTOXICITY: Material is slightly toxic to aquatic organisms on an acute basis (LC50/EC50 between 10 and 100 mg/L in most sensitive species). Acute immobilization EC50 in water flea Daphnia magna is 71 mg/L. Acute LC50 in fathead minnow (Pimephales promelas) is 100 mg/L.

13. DISPOSAL CONSIDERATIONS (See Section 15 for Regulatory Information)

DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste character-

(Continued on page 6 , over)
* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

izations and compliance with applicable laws are the responsibility solely of the waste generator. THE DOW CHEMICAL COMPANY HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/Information On Ingredients).

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device.

As a service to its customers, Dow can provide names of information resources to help identify waste management companies and other facilities which recycle, reprocess or manage chemicals or plastics, and that manage used drums. Telephone Dow's Customers Information Center at 800-258-2436 or 989-832-1556 for further details.

14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (D.O.T.): For D.O.T. regulatory information, if required, consult transportation regulations, product shipping papers or contact your Dow representative.

CANADIAN TDG INFORMATION: For TDG regulatory information, if required, consult transportation regulations, product shipping papers or contact your Dow representative.

15. REGULATORY INFORMATION (Not meant to be all-inclusive--selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. REGULATIONS

SARA 313 INFORMATION: To the best of our knowledge, this product

(Continued on page 7)
* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

Product: DAXAD 14C (553-01) DISPERSING AGENT**
Product Code: 61777

Effective Date: 12/05/03 Date Printed: 01/01/04 MSD: 006964

REGULATORY INFORMATION (CONTINUED)

contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986:

WARNING: This product contains a chemical known to the State of California to cause cancer.

TOXIC SUBSTANCES CONTROL ACT (TSCA):

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

STATE RIGHT-TO-KNOW: The following product components are cited on certain state lists as mentioned. Non-listed components may be shown in the composition section of the MSDS.

CHEMICAL NAME	CAS NUMBER	LIST
FORMALDEHYDE	000050-00-0	PA2
SODIUM SULFATE (SOLUTION)	007757-82-6	PAI PA3

PAI=Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%).

(Continued on page 8 , over)
* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

Product: DAXAD 14C (553-01) DISPERSING AGENT**
Product Code: 61777

Effective Date: 12/05/03 Date Printed: 01/01/04 MSD: 006964

REGULATORY INFORMATION (CONTINUED)

PA2=Pennsylvania Special Hazardous Substance (present at greater than or equal to 0.01%).
PA3=Pennsylvania Environmental Hazardous Substance (present at greater than or equal to 1.0%).

OSHA HAZARD COMMUNICATION STANDARD:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CANADIAN REGULATIONS

WHMIS INFORMATION: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

This product is not a "Controlled Product" under WHMIS.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

16. OTHER INFORMATION

HAZARD RATING SYSTEMS:

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Health	1
Flammability	1
Reactivity	1

REVISION INDICATOR: Revised sections 3, 4, 6, 7 and 8.

* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY
The Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied, Is Made. Consult The Dow Chemical Company For Further Information.

Non-HAZ

CI-0801
Material Safety Data Sheet

Additive

1 Company Identification

Octel Starreon
8375 S. Willow Street
Littleton, CO 80124

Product information 1-800-441-9547
In Case of Emergency
Call Chemtrec 1-800-424-9300

2 Composition / Ingredient Information

Material	CAS Number	%
2-Ethylhexyl Nitrate	27247-96-7	98-100
2-Ethylhexyl Alcohol	104-76-7	<2

3 Hazardous Identification

Potential Health Effects

Inhalation or ingestion of 2-Ethyl Hexyl Nitrate may initially include cause nonspecific discomfort, such as nausea, headache, or weakness. Exposed workers reported throbbing headaches and heart palpitations. Data to evaluate the skin permeation hazard of this compound are insufficient. There are no reports of human sensitization. No adequate epidemiologic studies are available for this compound.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, ACGIH as carcinogens.

4 First Aid Measures

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

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.

EPAHO102001116

Ingestion
If swallowed, do not induce vomiting. Allow victim to rinse his mouth and then to drink 2-4 cupfuls of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians
Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400-ml water and mix thoroughly. Administer 5 ml/kg or 350 ml for an average adult.

Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases does not improve outcome. Bacterial pneumonia often occurs after exposure; but prophylactic antibiotics are not indicated and should be reserved for documented bacterial pneumonia.

5 Fire Fighting Measures

Flammable Properties

Flash Point.....79°C (174°F)
Method.....TCC
Flammable limits in air.....LEL 0.25% by volume
Autoignition.....130°C (266°F)
Autodecomposition.....185°C (365°F)
Exotherm initiation temperature.....120°C (248°F)
(Self-heating sustained due to decomposition)
Combustible Heating can release vapors, which can be ignited.

Hazardous gases/vapors produced in fire are carbon monoxide and oxides of nitrogen. Risk of explosion if heated under confinement.

Extinguishing Media
Water Spray, Foam, Dry Chemical, CO_2.

Fire Fighting Instructions
Evacuate personnel to safe area. Wear self-contained breathing apparatus. Cool tank/container with water spray. Fight fire from maximum distance, use extreme caution as heat may decompose material and rupture containers.

6 Accidental Release Measures

Note: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) SECTIONS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Soak up with sawdust, sand, oil dry or other absorbent material. Remove source of heat, sparks, flame, impact, friction, or electricity. Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean-Up
Soak up with sawdust, sand, oil dry or other absorbent material.

EPAHO102001117

Accidental Release Measures
Spills are very slippery and should be cleaned up promptly. Unless released material is cleaned up immediately for reprocessing, recycling, or reuse, a release of 100 lbs. may trigger the reporting requirements of CERCLA Section 103.

7 Handling and Storage

Handling (Personnel)
Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

Handling (Physical Aspects)
Keep away from heat, sparks and flames.

Storage

Refer to Octel Starreon **PLMR-2001-8, Issue 2, "CI-0801 Cetane Improver Safety and Handling"** for detailed storage and handling guidance. This bulletin presents background information on thermal stability for storage and safe handling. This bulletin also describes proper, safe unloading of equipment from bulk containers.

Important considerations are:
- Properly insulated tank car or tank truck.
- Cap steam coils and valves on tank car, truck and storage tanks.
- Water deluge system for storage tank.
- One or more of the following safeguards is recommended - unrestricted recirculation loop and/or thermal sensor and relief in pump system and/or low flow pump interlock.

8 Exposure Controls

Engineering Controls
Use only with adequate ventilation. Keep container tightly closed.

Personal Protective Equipment

Eye/Face Protection
Wear coverall chemical splash goggles or safety glasses.

Respirators
Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

Protective Clothing
Where there is potential for skin contact have available and wear as appropriate Impervious gloves, apron, pants, hood and jacket.

EPAHO102001118

Exposure Limits

2-Ethylhexyl Nitrate:

PEL(OSHA) ..... None established
TLV(ACGIH) ..... None established
AEL* (Octel Starreon) ..... 5 ppm, 8 & 12 hr, TWA

2-Ethylhexyl Alcohol:

PEL(OSHA) ..... None established
TLV(ACGIH) ..... None established
AEL* (Octel Starreon) ..... 20 ppm, 8 hr, TWA

The "skin" notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposure should be considered

* AEL is Octel Starreon's acceptable exposure limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

9 Physical and Chemical Properties

Physical Data

Appearance..... Light straw colored
Form..... Liquid
Odor..... Strong Pungent
Specific Gravity..... 0.967 @ 60/60°F (16/16°C)
Density..... 8.06 lbs./gal @ 60°F (16°C)
Solubility in water..... 0.02 wt%
Boiling Point..... Decomposes above 100°C (212°F)
Vapor Pressure..... 0.035 mm Hg @ 20°C (68°F)
Vapor Density ..... >1 (air=1)
Evaporation Rate ..... <1 (Butyl Acetate = 1)

Physical Hazard

2-Ethylhexyl nitrate should not be exposed to steam, sparks, flames, or hot surfaces. Rapid gas evolution during decomposition may lead to bursting of container and may be explosive if heated under confinement.

10 Stability and Reactivity

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility

Incompatible with strong oxidizers.

Decomposition

Decomposes with heat. Hazardous gases/vapors produced are oxides of nitrogen and carbon monoxide. Decomposition temperature is >100°C (>212°F).

EPAHO102001119

Polymerization
Will not occur.

11 Toxicological Information

Animal Data

2-Ethylhexyl Nitrate:
Inhalation 1 hour LC50..... >639 ppm in rats
Skin absorption LD50..... >4,820 mg/kg in rabbits
Oral LD50..... >9,640 mg/kg in rats

2-Ethylhexyl Alcohol:
Inhalation 6 hour LC50..... >2,000 ppm in rats
Skin absorption LD50..... 1,970 mg/kg in rabbits
Oral LD50..... 3,730 mg/kg in rats

2-Ethylhexyl Nitrate is not a skin and eye irritant, but is untested for animal sensitization. Single ingestion exposure produced weight loss, diarrhea, incoordination and prostration. Repeated inhalation exposures produced weight loss and increased liver weight. No animal test reports are available to define carcinogenic, mutagenic, developmental, or reproductive hazards.

12 Ecological Information

2-Ethylhexyl Nitrate:
24 hour LC50, Trout: 145 mg/L
48 hour LC50, Trout: 116 mg/L
24 hour LC50, Bluegill: 6.5 mg/L
48 hour LC50, Bluegill: 6.0 mg/L

13 Disposal Considerations

Waste Disposal
Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

14 Shipping Information

DOT

Proper Shipping Name..... Combustible Liquid, N.O.S. (2-Ethylhexyl Nitrate)
Hazard Class 3
I.D. No. (UN/NA) ..... NA 1993
Packing Group III
Special Information ..... Flash Point: 79°C
Marine Pollutant ..... 2-Ethylhexyl Nitrate
Reportable Quantity ..... No
DOT Label(s) ..... Combustible Liquid

EPAHO102001120

IMO

Proper Shipping Name	Environmentally Hazardous Substance, N.O.S. (2-Ethylhexyl Nitrate)
Hazard Class	9
UN No.	3082
Packing Group	III
Marine Pollutant	2-Ethylhexyl Nitrate

Shipping Containers

Steel Drums UN1A1/Y/100

15 US Federal Regulations

TSCA Inventory Status ..... Reported / Included

Title III Hazard Classifications Sections 311, 312

Acute	Yes
Chronic	No
Fire	Yes
Reactivity	Yes
Pressure	No

16 Other Information

NPCA-HMIS Rating

Health	2
Flammability	2
Reactivity	3

Personal Protection rating to be supplied by user depending on uses conditions

---

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS:

Ann Marie Savini
Octel Starreon
Newark, DE 19702
(800) 441-9547 or
(302) 451-1362

EPAHO102001121

NON-HAZ. Additives

MATERIAL SAFETY DATA SHEET
Infineum

PAGE: 1

(b) (4)

[redacted]

Continues on page 2

1

MATERIAL SAFETY DATA SHEET
Infineum

(b) (4)

Continues on page 3

1

MATERIAL SAFETY DATA SHEET
Infineum

(b) (4)

[redacted]

continued on page 4

MATERIAL SAFETY DATA SHEET
Infineum

(b) (4)

[redacted]

Continued on page 5

MATERIAL SAFETY DATA SHEET
Infineum

(b) (4)

[redacted]

Continues on page 6

1

MATERIAL SAFETY DATA SHEET
Infineum

DATE PRINTED: SEP 10, 2003

(b) (4)

[redacted]

Continues on page 7

MATERIAL SAFETY DATA SHEET
Infineum

(b) (4)

[redacted]

LAST PAGE

NON-HAZ other chemicals

DOW

Material Safety Data Sheet

The Dow Chemical Company

(b) (4)

[redacted]

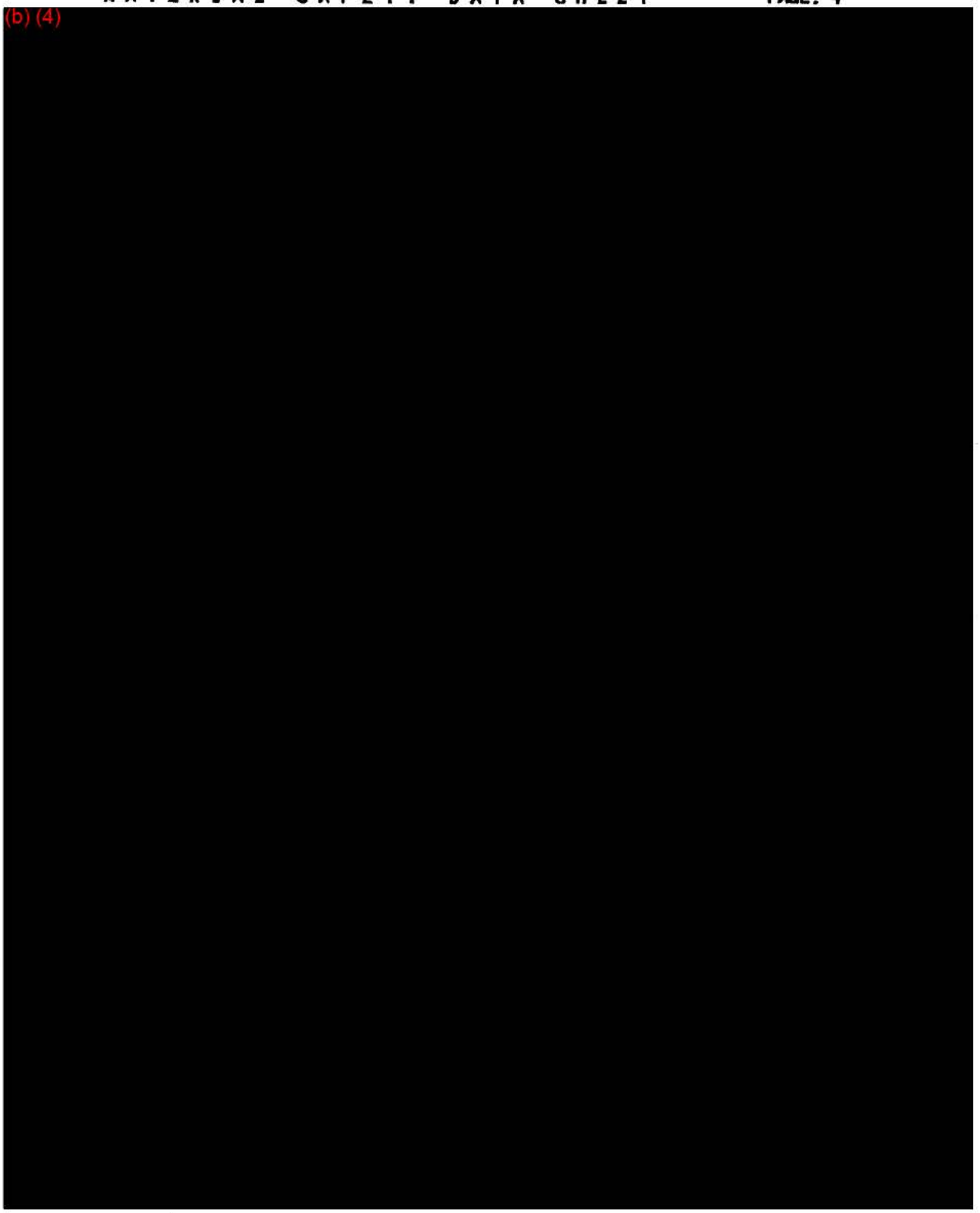
(b) (4)

[redacted]

(b) (4)

[redacted]

MATERIAL SAFETY DATA SHEET PAGE: 4



(b) (4)

[redacted]

(b) (4)

[redacted]

(b) (4)

[redacted]

MATERIAL SAFETY DATA SHEET PAGE: 8

(b) (4)

[redacted]

(b) (4)

[redacted]

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1060

Generator: SOUTH COAST TERMINALS (WALLISVILLE)
Address: 7401 WALLISVILLE ROAD HOUSTON, TX 77020
Name of Waste: WASTE LIQUID AND SLUDGE
TCEQ Waste Code Number: 9921291

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: DARK
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6
- Odor: HYDROCARBON.
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1(6), MLB2 (22), VTPOTW(32), DW1 (16)
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 12851
Waste Manifest Number: 362 9815
Date of Shipment: 7-19-05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 76

Analyst/Sampler: Loren Thomas Date: 7-19-05

CES Environmental Services, Inc.

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

Receiving Report

Profile # (*From the profile*): 1060

Generator (*Company name from the Generator Info on the profile*): SOUTH COAST TERMINAL
Address (*Address, City State, Zip from the Generator Info on the profile*): 7401 WALLISVILLE HOUSTON, TX 77020
Name of Waste (*From the profile*): WASTE SLUDGE
TCEQ Waste Code Number (*From the profile*): 9712191

Incompatibilities (*From the profile*): _____
Safety Related Data/Special Handling (*From the profile*): _____

Waste Sample Data

- Color of Sample: VARIOUS
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid X Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☐ YES ☐ NO
- Matches general composition from the waste profile: ☐ YES ☐ NO
- pH of liquid (water phase): 9
- Odor: MILD
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): MLB1 (21D+3TP) O/W \7TP)
- Bulk process code assigned (see list): B O/W (3D) LD ANTIFREEZE
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: 3630004
Date of Shipment: 8-8-05
Container Type (i.e. drum, tote, etc.): DRUM TOTE
Quantity: 25 14

Analyst/Sampler: _____ Date: 8-8-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1060

Generator: South Coast Terminals
Address: 7401 Wallisville Rd
Name of Waste: Waste Liquids + Sludges
TCEQ Waste Code Number: 9921219 1

Incompatibilities: None known
Safety Related Data/Special Handling: Standard PPE

Waste Sample Data

- Color of Sample: Dark
- Physical Appearance
  Liquid ____ Solid X
  Multiphase Liquid X Solid ____ Sludge X
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: Hydrocarbons
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-1 (8) MLB-1 (7)
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 16211
Waste Manifest Number: 3956485
Date of Shipment: 11/30/05
Container Type (i.e. drum, tote, etc.): Drums
Quantity: 15

Analyst/Sampler: [signature] Date: 11/30/05

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-1060**

Customer: **South Coast Terminals (Wallisville)**

Waste Generator: **South Coast Terminals (Wallisville)**

Waste Stream Name: **Waste Liquids and Sludge**

Expiration Date: **7/22/2008**

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.

Belinda Adame
Customer Name

Belinda Adame
Signature

South Coast Term. HSE MGR
Company / Title

2/13/09
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

✓

VAM-PTS 1061

[Profile #1061]

EPAHO102001142

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

7/25/2005

Mr. Jim Carroll,

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.

Profile #: 1061

Generator: VAM-PTS
Address: 19210 Hardy Road, Houston, TX 77073
Name of Waste: Oily Water
TCEQ Waste Code Number: Recyclable

Waste Information
Container Type: Drum
Detailed description of process generating waste: Oily water from pipe threading machine
Color: Brown Odor: None pH: 4-11
Physical State: Liquid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	VAM-PTS		
Address:	19210 Hardy Rd		
City, State, Zip:	Houston, TX 77073		
Contact:	Jim Carroll	**Title:**	HS&E Manager
Phone No:	(281) 230-5747	**Fax No:**	
24/hr Phone:	(281) 230-5747		
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: Oily Water
Detailed Description of Process Generating Waste: Oily water from pipe threading machine

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

Color: Brown **Odor:** None

Specific Gravity (water=1): .99-1 **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: Recyclable
Proper U.S. DOT Shipping Name: Recyclable hydrocarbon and water mixture
Class: ____ **UN/NA:** ____ **PG:** ____ **RQ:** ____

Flash Point >200	**pH** 4-11	**Reactive Sulfides** BRL mg/l	**Reactive Cyanides** BRL mg/l	**Solids** 0-1%
Oil&Grease >100mg/l	**TOC** BRL mg/l	**Zinc** BRL mg/l	**Copper** BRL mg/l	**Nickel** BRL mg/l

JUL-18-2006 16:57 CES Environmental Services 713 676 1676 P.02

EPAHO102001144

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oil	2-10	%
Coolant	1-6	%
Water	90-97	%

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: N/A
TCLP Volatiles: N/A
TCLP Semi-Volatiles: N/A
Reactivity: N/A
Corrosivity: pH is nuetral
Ignitability: No ignitable materials are present in the process

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:** Jimmy W. Carroll **Date:** July 18, 2005

* **Printed Name/Title:** Jimmy W CARROLL, HSE Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 7-22-05 (Approved) Rejected _____

Approval Number: 1061 _____

JUL-18-2005 16:58 CES Environmental Services 713 676 1676 P.03

EPAHO102001145

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

JUL-18-2005 16:58 CES Environmental Services 713 676 1676 P.04

EPAHO102001146

(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.

EPAHO102001147

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

Shipper's No. 071605

Carrier's Name: CES Environmental Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at 19210 Hardy Road (Date) 7/16/05 FROM VAM - PTS

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO CES Environmental Services

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 4904 Griggs Road Street Houston City

County TX State 77021 Zip

Route Delivery Address ★

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery $ And Remit to

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
3 Dms		Oily Water	1200 lbs		
		[CES Profile # 1061]			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

(Agent for Gen.) Shipper, Per

Permanent post-office address of shipper,

Per 7/16/05 Agent

3

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1061

Generator: JAM PTS
Address: 19210 HARDY RD HOUSTON TX 77073
Name of Waste: RECYCLABLE HYDROCARBON & WATER MIXTURE
TCEQ Waste Code Number: _____

Incompatibilities: _____
Safety Related Data/Special Handling: _____

Waste Sample Data

- Color of Sample: BLUE
- Physical Appearance
  Liquid _____ Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☐ YES ☐ NO
- Matches general composition from the waste profile: ☐ YES ☐ NO
- pH of liquid (water phase): _____
- Odor: MILD
- Compatible with proposed mix material: ☐ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): N/A
- Bulk process code assigned (see list): O/W
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: _____
Waste Manifest Number: B/L 13440
Date of Shipment: 8-11-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 3

Analyst/Sampler: Steven A Patillo Date: 8-11-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1061

Generator: VAMPTS
Address: 9210 HARDY RD HOUSTON TX 77073
Name of Waste: RECYCABLE HYDROCARBON & WATER MIXTURE (OIL FILTER)
TCEQ Waste Code Number: RECYCABLE

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid X Solid
  Multiphase Liquid Solid Sludge
  Describe:
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list):
- Bulk process code assigned (see list): O/W
  Bulk tank assigned:

Shipment Information

Job Confirmation Number: 14518
Waste Manifest Number: BILL of LADING
Date of Shipment: 9-28-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 5

Analyst/Sampler: [signature] Date: 9-29-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1061

Generator: VAM PTS
Address: 19210 HARDY RD
Name of Waste: RECYCLABLE HYDROCARBON + WATER MIXTURE
TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid X Solid _____
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 7
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): _____
- Bulk process code assigned (see list): O/W
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 15111
Waste Manifest Number: BILL OF LADING
Date of Shipment: ~~10/20/05~~ 10/20/05
Container Type (i.e. drum, tote, etc.): TT
Quantity: 1245

Analyst/Sampler: _____ Date: 10/20/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1061

Generator: VAM PTS
Address: 19210 HARDY HOUSTON TX 77021
Name of Waste: RECYCLABLE HYDROCARBON + WATER MIXTURE
TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15671
Waste Manifest Number: BILL OF LADING
Date of Shipment: 11-10-05
Container Type (i.e. drum, tote, etc.): TT
Quantity: 900

Analyst/Sampler: [signature] Date: 11-10-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1061

Generator: VAM PTS
Address: 19210 HARDY RD
Name of Waste: OILY WATER
TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROWN
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 10
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-4

Shipment Information

Job Confirmation Number: N/A
Waste Manifest Number: 15947
Date of Shipment: 11/18/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 1000 GAL

Analyst/Sampler: ____ Date: 11/18/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1061

Generator: VAMPTS
Address: 19210 HARDY RD HOUSTON, TX 77021
Name of Waste: RECYCLLABLE HYDROCARBON + WATER MIXTURE
TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE KNOWN
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BROW
- Physical Appearance
  Liquid____ Solid____
  Multiphase Liquid X Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 6
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15710
Waste Manifest Number: BILL OF LADING
Date of Shipment: 11-11-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 5

Analyst/Sampler: [signature] Date: 11-11-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1061

Generator: VAM PTS
Address: 19210 HARDY RD
Name of Waste: OILY WATER
TCEQ Waste Code Number: RECYCLABLE

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: CLEAR TO BROWN
- Physical Appearance
  Liquid X Solid ____
  Multiphase Liquid ____ Solid ____ Sludge ____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): 10
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): ____
- Bulk process code assigned (see list): ____
  Bulk tank assigned: T-6

Shipment Information

Job Confirmation Number: ____
Waste Manifest Number: 15905
Date of Shipment: 11/17/05
Container Type (i.e. drum, tote, etc.): TANKER
Quantity: 600

Analyst/Sampler: [signature] Date: 11/17/05

#1

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-1061**

Customer: **VAM-USA**

Waste Generator: **VAM-USA**

Waste Stream Name: **Oily Water & Mineral Spirits**

Expiration Date: **7/18/2009**

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

Customer Name

Signature

Company / Title

Date

see next page for authorization

☐ 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 : John Mbom **Date :** 7/7/2009 ~~7/18/2005~~

Printed Name / Title : John GRIFFIN ENVIR. Coor.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Matt Bowman

Approved Rejected

Date : 7/18/2007 **Status :**

Approval Number : HOU-1061

Process Facility Information :
Old name: VAM-PTS.
$35.00 drum
.25/gal Min $250.00
Trans ~~$80.00/hour~~
$70/hour
~~Trans $80.00/hour~~

EPAHO102001157

View TCEQ Waste Code: 00011191

Facility SWR #: 33140 Data current as of: 07/07/2009

Texas Waste Code: 00011191
Company Waste Description:
Origin Code: 1 - Generated on-site from a product process or service activity
New Chemical Substance: N
Management Location: 2 - Off-site
Management Units: 002
Status: Active
Description: Oily waste water from parts cleaning & rinsing, and general plant cleaning. Weight = 8.34 Lbs/GalSystem residual 91,740 lbs. Recycling: Waste is recycled on site per STEERS notification 2/26/2000.

Edit | List Wastes

Recycle $25/bucket CES Del

Maybe

FUCHS LUBRICANTS CO.

PRODUCT NAME: ANTICORIT AQ 1961 R

This product has low volatility and so is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist levels in poorly ventilated areas may irritate the upper respiratory tract with symptoms of itching eyes and nasal passages.

- INGESTION -
Ingestion may cause slight stomach irritation and discomfort.

POTENTIAL CHRONIC HEALTH EFFECTS:
This product contains one or more alkanolamine that has been found to cause liver and kidney effects in laboratory animals. No data exists however, that supports a direct relationship between alkanolamine exposure and human liver and kidney effects.

No further data known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
No further data known.

CARCINOGENICITY:
This product is not listed as a known or suspected carcinogen by IARC, OSHA, or the NTP.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT:
Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If symptoms persist, contact a physician.

SKIN CONTACT:
Remove product from the skin by washing with a mild soap and flushing with a steady stream of water. Contaminated clothing should be removed to prevent prolonged exposure. If symptoms of exposure persist, contact a physician.

INHALATION:
If signs or symptoms of overexposure occur, remove the employee to fresh air. If symptoms persist, seek medical attention.

INGESTION:
If small amounts are ingested, first aid measures are not likely to be necessary. If larger amounts are ingested or if symptoms of ingestion occur, dilute stomach contents with two glasses of water or milk. (NOTE: Do NOT give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously keep airway clear. If symptoms of ingestion persist, seek medical attention.

PRODUCT NAME: ANTICORIT AQ 1961 R

NOTE TO PHYSICIAN:
No further data known.

SECTION 5 - FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES:

Flashpoint	-N/A	ŒF
Flammability Limits	LEL	-N/A
	UEL	-N/A

EXTINGUISHING MEDIA:
This product is not combustible but water fog, dry chemical, foam, and CO2 fire extinguishers may be used in areas where it is stored.

UNUSUAL FIRE & EXPLOSION HAZARDS:
No further data known.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:
The noncombustible nature of the product creates no need for special fire fighting procedures and equipment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CLEAN-UP MEASURES:
Important: As with any spill or leak, before responding ensure that you are familiar with the potential hazards and recommendations of the MSDS. Appropriate personal protective equipment must be worn. See Section 8 of this MSDS for PPE recommendations.

If possible, safely contain the spill with dikes or other spill response equipment appropriate for releases of water-based materials. Prevent spreading of product and/or release into the environment. Large volumes of material should be collected in an appropriate waste container for proper disposal. Small volumes or residues may be soaked up with absorbent material. Disposal of any spill response materials should meet appropriate waste regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING:
As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other standard industrial hygiene practices.

Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty

drums and containers. Keep containers closed when not in use.

STORAGE:
Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use.

SPECIAL COMMENTS:
Do not mix with nitrites. This product contains an amine that may react, under certain conditions, with nitrites to form nitrosamines.

No further data known.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:
Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

- EYE PROTECTION -
Wear eye protection appropriate to prevent eye exposure. Where splashing is not likely, chemical safety glasses with side shields are recommended. Where splashing may occur, chemical goggles or full face shield is recommended.

- SKIN PROTECTION -
Gloves are recommended when skin contact is likely. Select chemical resistent gloves such as nitrile or rubber to protect against exposure.

Where splashing or soaking is likely, wear oil or chemical resistent clothing to prevent exposure.

- RESPIRATORY PROTECTION -
A respirator may be worn to reduce exposure to vapors, dust, or mist. Select a NIOSH/MSHA approved respirator appropriate for the type and physical character of the airborne material. A self-contained breathing apparatus is recommended in all situations where airborne contaminant concentration has not been confirmed to be below safe levels. Respirator use should comply with the OSHA Respirator Protection Standard found in 29 CFR 1910.134.

ENGINEERING CONTROLS:
Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. Ventilation should at a minimum, prevent airborne concentrations from exceeding any exposure limits listed in Section 2 of this MSDS.

The user may wish to refer to 29 CFR 1910.1000(d)(2) and the ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indicies" (Appendix C) for the determination of exposure limits of mixtures. An industrial hygienist or similar professional may be consulted to confirm that the calculated exposure limits apply.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance	Clear Amber Color
Odor	Sassafras
Physical State	Liquid
Water Solubility	Complete
Specific Gravity	1.090

SECTION 10 - STABILITY AND REACTIVITY

INCOMPATIBILITIES:
This product is incompatible with strong oxidizing agents.

DECOMPOSITION PRODUCTS MAY INCLUDE:
The product, as sold, is not expected to thermally decompose. Product residue however, may burn. Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solid liquid, particulates and gasses may evolve when the residues burn. Byproducts of residue combustion may include:
oxides of carbon,
ammonia and oxides of nitrogen,
incompletely burned hydrocarbons as fumes and smoke.

CONDITIONS TO AVOID:
Avoid contact with incompatible materials and exposure to extreme temperatures.

POLYMERIZATION:
This product is not expected to polymerize.

STABILITY:
This product is stable.

SECTION 11 - TOXICOLOGICAL INFORMATION

EYE EFFECTS:
No further toxicological data known.

SKIN EFFECTS:

Contact with a component of this product may cause an allergic skin reaction in a small percentage of the population.

No further toxicological data known.

ORAL EFFECTS:
No further toxicological data known.

INHALATION EFFECTS:
No further toxicological data known.

OTHER:
This product contains one or more alkanolamine that has been found to cause liver and kidney effects in laboratory animals. No data exists however, that supports a direct relationship between alkanolamine exposure and liver and kidney effects in humans.

No further data known.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:
This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

ENVIRONMENTAL FATE:
The degree of biodegradability and persistence of this product has not been determined.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:
Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing, or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

SECTION 14 - TRANSPORT INFORMATION

DOT HAZARDOUS MATERIAL INFORMATION:
* Not otherwise DOT regulated.

SECTION 15 - REGULATORY INFORMATION

FEDERAL REGULATIONS:

PRODUCT NAME: ANTICORIT AQ 1961 R

SARA 313:
This product contains NONE of the substances 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.

CERCLA Reportable Quantity:
Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Releases of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.

Component	RQ

Toxic Substances Control Act:
The components of this product are listed on the TSCA Inventory.

Ozone Depleting Substances:
This product contains no ozone depleting substances as defined by the Clean Air Act.

Hazardous Air Pollutants:
Any components listed below are defined by the Federal EPA as hazardous air pollutants.

Component

STATE REGULATIONS:
No further data known.

SECTION 16 - OTHER INFORMATION

Prepared by . . . . . : Corporate Regulatory Compliance
Date of issue . . . . . : 12/01/2005
Last Revision Date . . . . . : 01/23/2003
REG-333384

NOTICE: This MSDS provides a good faith representation of information believed to be accurate as of the last revision date. This document does not create any express or implied product warranties. Since conditions of use are beyond the control of Fuchs Lubricants Co., all risks associated with product use are assumed by the user.

- 1064 South Coast Terminals - (La Porte)

EPAHO102001165

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 #: **1064**

Customer: **South Coast Terminals (La Porte)**

Waste Generator: **South Coast Terminals (La Porte)**

Waste Stream Name: **Waste Solids (Spent Carbon)**

Expiration Date: **6/19/2008**

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.

DAN DHANN
Customer Name

Signature

FOREMAN
Company / Title

5/15/08
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

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#: 8050367
Client Sample ID: Spent Carbon
Extended ID: Southcoast LP / PO#0508-33

Sample Collect Date: 5/15/2008 **Sample Type:** Comp
Sample Receipt Date: 5/15/2008 @ 3:11:00 PM

Test Group / Method

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time
Vinyl chloride	0.10	0.2	< 0.10	mg/L	5/18/2008 / 1:45 AM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	5/18/2008 / 1:45 AM
2-Butanone	0.50	200	< 0.50	mg/L	5/18/2008 / 1:45 AM
Chloroform	0.05	6	< 0.05	mg/L	5/18/2008 / 1:45 AM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	5/18/2008 / 1:45 AM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	5/18/2008 / 1:45 AM
Benzene	0.05	0.5	< 0.05	mg/L	5/18/2008 / 1:45 AM
Trichloroethene	0.05	0.5	< 0.05	mg/L	5/18/2008 / 1:45 AM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	5/18/2008 / 1:45 AM
Chlorobenzene	0.05	100	< 0.05	mg/L	5/18/2008 / 1:45 AM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	5/18/2008 / 1:45 AM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	5/18/2008 / 1:45 AM

TCLP Semi-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: JAC Date / Time
Pyridine	0.05	5	< 0.05	mg/L	5/21/2008 / 1:34 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	5/21/2008 / 1:34 PM
o-Cresol	0.05	200	< 0.05	mg/L	5/21/2008 / 1:34 PM
m+p-Cresol	0.05	200	< 0.05	mg/L	5/21/2008 / 1:34 PM
Hexachloroethane	0.05	3	< 0.05	mg/L	5/21/2008 / 1:34 PM
Nitrobenzene	0.05	2	< 0.05	mg/L	5/21/2008 / 1:34 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	5/21/2008 / 1:34 PM
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L	5/21/2008 / 1:34 PM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L	5/21/2008 / 1:34 PM
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L	5/21/2008 / 1:34 PM
Hexachlorobenzene	0.05	0.13	< 0.05	mg/L	5/21/2008 / 1:34 PM
Pentachlorophenol	0.50	100	< 0.50	mg/L	5/21/2008 / 1:34 PM

EPAHO102001167

- CERTIFICATE OF RESULTS -

MES Lab#: 8050367

Client Sample ID: Spent Carbon
Extended ID: Southcoast LP / PO#0508-33

Sample Collect Date: 5/15/2008 **Sample Type:** Comp
Sample Receipt Date: 5/15/2008 @ 3:11:00 PM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: JCA Date / Time
Arsenic	0.050	5	< 0.050	mg/L	5/19/2008 / 7:19 PM
Barium	0.002	100	**0.103**	**mg/L**	5/19/2008 / 7:19 PM
Cadmium	0.004	1	< 0.004	mg/L	5/19/2008 / 7:19 PM
Chromium	0.007	5	< 0.007	mg/L	5/19/2008 / 7:19 PM
Lead	0.010	5	< 0.010	mg/L	5/19/2008 / 7:19 PM
Selenium	0.050	1	< 0.050	mg/L	5/19/2008 / 7:19 PM
Silver	0.002	5	< 0.002	mg/L	5/19/2008 / 7:19 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: JA Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	5/19/2008 / 10:30 AM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	5/19/2008 / 3:30 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	5/20/2008 / 12:15 PM

Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: JE Date / Time
pH		**7.41**		5/16/2008 / 9:45 AM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DB Date / Time
Flashpoint		**>150**	**deg F**	5/16/2008 / 12:25 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

John Keller, Ph.D., Lab Director

Wednesday, May 28, 2008
Date

EPAHO102001168

8050367

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	101.6
Toluene-d8	96.0
4-Bromofluorobenzene	92.5

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	1.1	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	30
Phenol-d6	40
Nitrobenzene-d5	37
2-Fluorobiphenyl	44
2,4,6-Tribromophenol	46
p-Terphenyl-d14	52

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

8050367
Page 2

QA/QC REPORT CONTINUED

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	MS %REC	CCB mg/L	CCV %REC
Arsenic	< 0.005	93.5	94.0	0.53	101.0	< 0.005	97.6
Barium	< 0.002	96.0	97.4	1.45	100.0	< 0.002	94.2
Cadmium	< 0.004	92.0	92.0	0.00	96.8	< 0.004	96.7
Chromium	< 0.007	99.8	100.0	0.20	98.0	< 0.007	98.0
Lead	< 0.010	92.0	92.0	0.00	97.2	< 0.010	94.2
Mercury	< 0.0002	97.2	96.4	0.83	96.6	< 0.0002	98.6
Selenium	< 0.005	93.1	92.0	1.19	92.4	< 0.005	95.3
Silver	< 0.006	94.8	94.8	0.00	95.2	< 0.006	93.9

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	6.63	6.63	0.00

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	100

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: _____
John Keller / Laboratory Director

May 28, 2008

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 Services Inc
COMPANY ADDRESS: 4904 Griggs Rd
CITY Houston STATE TX ZIP 77021
CONTACT PERSON'S NAME: Dana Carter
CONTACT PERSON'S PHONE: 713-748-9804 FAX #: 713-676-1676

2
YOUR PROJECT NO.: 0508-33 | YOUR P.O. #: | YOUR PROJECT NAME: Southcoast LP Carbon
PROJECT ADDRESS:

4 PARAMETERS FOR ANALYSIS

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.

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP 8 metals	TCLP VOA	TCLP Semi VOA	PCB				NUMBER OF CONTAINERS	PRESERVATIONS
Spent Carbon	Comp	5-15-08	[illegible]	Solid	X	X	X	X					

6
PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): a. Dana Carter b. Dana Carter
RELINQUISHED BY: (Signature) Dana Carter — DATE 5-15-08 — TIME 3:16PM
RECEIVED BY: (Signature) Christopher

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 5/15 TIME 1511

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 05/08
MES
2814764405
05/28/2008 15:15
EPAHO102001171

#64474

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 Services Inc
COMPANY ADDRESS: 4904 Griggs Rd
CITY Houston STATE TX ZIP 77021
CONTACT PERSON'S NAME: Dana Carter
CONTACT PERSON'S PHONE: 713-748-9801 FAX #: 713-676-1676

2

YOUR PROJECT NO.: YOUR P.O. #: 0508-33 YOUR PROJECT NAME: Southcoast LP-Carbon
PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP 8 metals	TCLP Vol	TCLP Semi Vol	RCI				NUMBER OF CONTAINERS	PRESERVATIONS
Spent Carbon	Comp	5-15-08	[illegible]	solid	X	X	X	X					

4 PARAMETERS FOR ANALYSIS

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.

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):
a. Dana Carter b. Dana R Carter

RELINQUISHED BY: (Signature) Dana R Carter DATE 5-15-08 TIME 3:11 pm RECEIVED BY: (Signature) [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

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

EPAHO102001172

CHAIN OF CUSTODY

A chain of custody is one of the first steps in sample control in the laboratory. The Chain of custody is a "contract between the client and the laboratory to insure that all information from the client is transmitted to the laboratory in an ordered fashion. The company designated in Section 1 will be held liable for all invoicing related to this chain of custody per terms agreed upon.

Procedure

A. A three copy chain of custody shall be used. A ball-point pen, either blue or black shall be used, pressing hard to make all three copies

B. Writing legibly, or printing, fill out the chain of custody as follows:

1. Name of Company
   Address of Company
   Name of Person to Contact
   Contact Person's Phone Number

2 Your Project Number
   Purchase Order Number
   Your Project Name and Address

3 Sample Description(s)
   Date, Time and Matrix

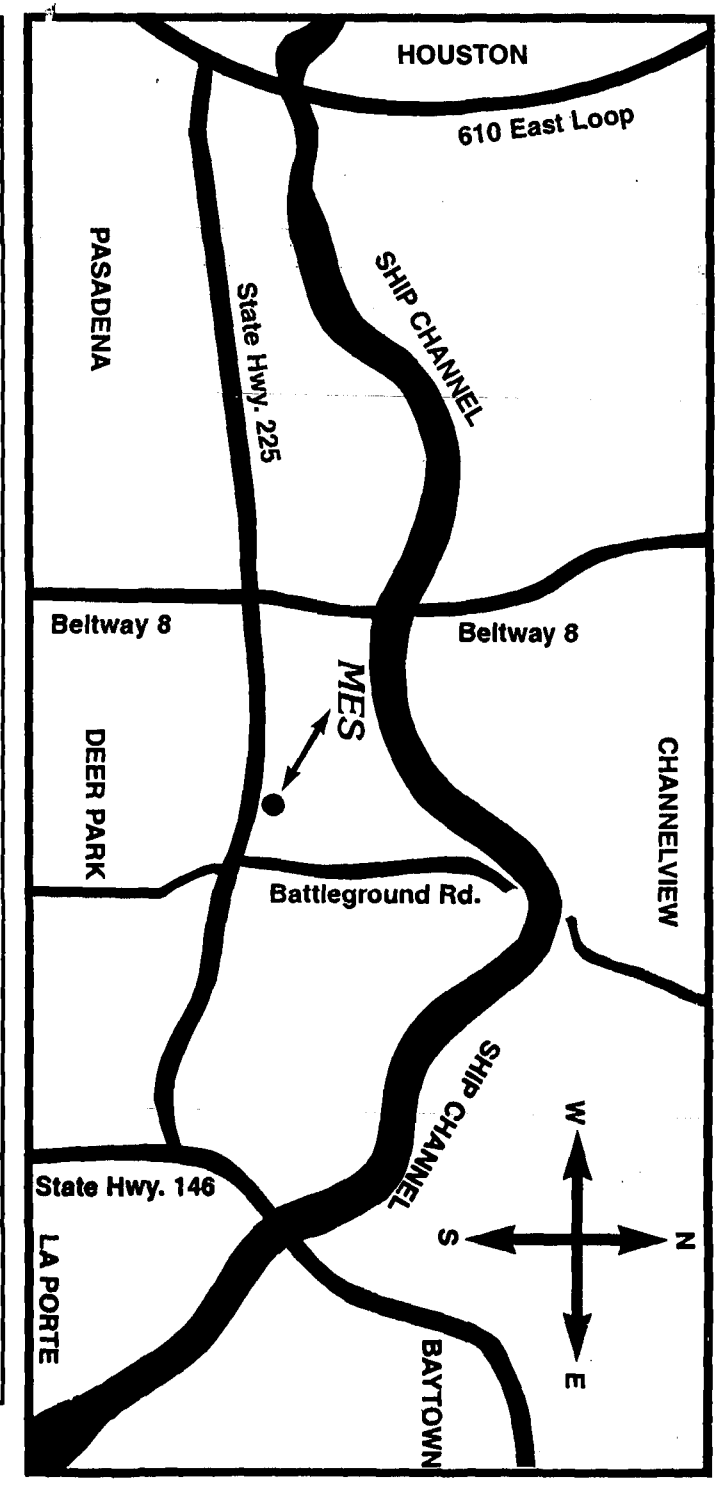
4 Parameters to be tested on samples
   Check parameter squares with sample descriptions

5 Remarks
   Turn Around Time (TAT) required (normal TAT, Rush, etc.)
   Special Methods and Detection Limits, if needed

6 a. Print Sampler's Name
   b. Sampler's Signature

7 Sample Possession Information

8 Sample Disposal
   Means of Disposal



WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

EPAHO10200117 3

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

7/25/2005

Mr. Daryl 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.

Profile #: 1064

Generator: South Coast Terminals
Address: 10900 Strang Road, LaPorte, TX 77571
Name of Waste: Waste Solids (Spent Carbon)
TCEQ Waste Code Number: 20014041

Waste Information
Container Type: CY Box
Detailed description of process generating waste: Carbon (spent) used to strip vapors of Borger Normal Pentane (msds attached) and Isohexanes (msds attached).
Color: Black Odor: Mild pH: N/A
Physical State: Solid
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: 39048
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:	Daryl Poe	**Title:**	HS&E Manager
Phone No:	(281) 842-1286	**Fax No:**	
24/hr Phone:	(713) 672-2401		
U.S. EPA I.D. No:	TXD981611486		
State I.D.	37710	**SIC Code:**	

SECTION 2: Billing Information – ☒ Same as Above

Company:	South Coast Terminals		
Address:	7401 Wallisville Road		
City, State, Zip:	Houston, TX 77020		
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Waste Solids (Spent Carbon)
Detailed Description of Process Generating Waste: Carbon (spent) used to strip vapors of Borger Normal Pentane (msds attached) and Isohexanes (msds attached).

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

Color: Black **Odor:** Mild

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: ____ ____ ____ CY Boxes

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 10 **Other:** ____
Texas State Waste Code No: 20014041
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated waste solids (spent carbon)
Class: ____ **UN/NA:** ____ **PG:** ____ **RQ:** ____

Flash Point >200	**pH** N/A	**Reactive Sulfides** BRLmg/l	**Reactive Cyanides** BRLmg/l	**Solids** 100%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** BRLmg/l	**Copper** BRLmg/l	**Nickel** BRLmg/l

EPAHO102001175

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units 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.
MSDS for Borger Normal Pentane and Isohexanes

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 Metals are below regulatory limits
TCLP Volatiles:	TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles:	TCLP Semi-Volatiles are below regulatory limits
Reactivity:	No reactive materials are introduced into the process
Corrosivity:	Material is 100% solid
Ignitability:	No ignitable materials are introduced into the process

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: Daryl Poe **Date:** July 19, 2005

Printed Name/Title: Daryl Poe, EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Matt Bowen

Date: 7-22-05 (Approved) Rejected

Approval Number: 1064

Additional Information: _____

EPAHO102001176

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

EPAHO102001177

(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.

EPAHO102001178

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1064

Generator: SOUTH COAST TERMINALS (LA PORTE)
Address: 10900 STRANG RD
Name of Waste: DEB CARBON
TCEQ Waste Code Number: 20014041

Incompatibilities: DO NOT MIX MATERIAL W/ OTHER LIQUID ORGANIC COMPOUNDS
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 13588
Waste Manifest Number: 3630151
Date of Shipment: 8-18-05
Container Type (i.e. drum, tote, etc.): CY
Quantity: 4

Analyst/Sampler: [signature] Date: 8-18-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1064

Generator: SOUTH COAST TERMINALS (LA PORTE)
Address: 10900 STRANG RD LA PORTE TX 77571
Name of Waste: DEP CARBON
TCEQ Waste Code Number: 2001401

Incompatibilities: DO NOT MIX MATERIAL W/ OTHER LIQUID ORGANIC COMPOUND
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): NA
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15046
Waste Manifest Number: 3947014
Date of Shipment: 10/19/05
Container Type (i.e. drum, tote, etc.): CF
Quantity: 8

Analyst/Sampler: [signature] Date: 10/19/05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1064

Generator: SOUTHCOAST TERMINALS (LA PORTE)
Address: 10900 STRANG RD LA PORTE TX 77571
Name of Waste: DER CARBON
TCEQ Waste Code Number: 20014041

Incompatibilities: DO NOT MIX W/ OTHER LIQUID ORGANIC COMPOUND
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BLACK
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: MILD
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 15632
Waste Manifest Number: 3947398
Date of Shipment: 11-09-05
Container Type (i.e. drum, tote, etc.): CF
Quantity: 7

Analyst/Sampler: [signature] Date: 11-09-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1064

Generator: SOUTH COAST TERMINALS (LA PORTE)
Address: 10900 STRANG RD. LA PORTE, TX 77571
Name of Waste: WASTE SOLIDS (SPENT CARBON)
TCEQ Waste Code Number: 2001/041

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BLACK.
- Physical Appearance
  Liquid_____ Solid X
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A.
- Odor: MILD.
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: [redacted] 12873
Waste Manifest Number: 362983 5
Date of Shipment: 7-20-05
Container Type (i.e. drum, tote, etc.): CUBIC YARD BOX
Quantity: 9

Analyst/Sampler: Loren Thomas Date: 7-20-05

Goodman Mfg. (Furnace Plant)
1065

[Profile # 1065]

EPAHO102001183

72
8-4-09
LAB
T-36

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

7/25/2005

Mr. Chris Neil,

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.

Profile #: 1065

Generator: Goodman Manufacturing
Address: 3300 West 11th Street, Houston, TX 77008
Name of Waste: Unused Paint Powder
TCEQ Waste Code Number: ~~11054031~~ 1111402-2

Waste Information
Container Type: Drum
Detailed description of process generating waste: Unused paint powder (Bahama Beige Polyester-msds attached) contaminated with moisture.
Color: Beige Odor: None pH: N/A
Physical State: Solid
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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Goodman Manufacturing		
Address:	3300 W. 11th Street		
City, State, Zip:	Houston, TX 77008		
Contact:	Chris Neil	**Title:**	
Phone No:	(713) 861-2500	**Fax No:**	
24/hr Phone:	(713) 861-2500		
U.S. EPA I.D. No:	N/A		
State I.D.	84122	**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: Unused Paint Powder
Detailed Description of Process Generating Waste: Unused paint powder (Bahama Beige Polyester-msds attached) contaminated with moisture.

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

Color: Beige **Odor:** None

Specific Gravity (water=1): ____ **Density:** ____ 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: ~~11054031~~ 1111402 2

Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated waste solids

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

Flash Point >200	**pH** N/A	**Reactive Sulfides** BRLmg/l	**Reactive Cyanides** BRLmg/l	**Solids** 100%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** BRLmg/l	**Copper** BRLmg/l	**Nickel** BRLmg/l

EPAHO102001186

PO # 32193

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units ex: %
Bahama Beige Polyester	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 for Bahama Beige Polyester

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 on process knowledge and/or generator knowledge:

TCLP Metals:	TCLP Metals are below regulatory limits
TCLP Volatiles:	TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles:	TCLP Semi-Volatiles are below regulatory limits
Reactivity:	No reactive materials are present
Corrosivity:	Material is 100% solid
Ignitability:	No ignitable materials are present

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above-named attached description is complete and accurate to the best of my knowledge and ability to determine. To the best of my knowledge, no 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: July 20, 2005

Printed Name/Title: CHRIS NEILL / EHS COORDINATOR

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 7-22-05 Approved Rejected

Approval Number: 1065

JUL-20-2006 13:47 CES Environmental Services 713 676 1576 P.03

EPAHO102001187

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

EPAHO102001188

(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.

EPAHO102001189

CES Environmental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

August 12, 2005

CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021

To Whom It May Concern:

This letter is regarding the profile number 1065 for Goodman Manufacturing (Furnace Plant). We would like to amend the waste code of this profile to 11114032 (see analytical attached).

If you have any question please feel free to contact me at (713) 676-1460.

Sincerely,

Chris Neill
EH&S Manager

Certificate of Analysis

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	Goodman Manufacturing Co. L.P.	**REQUESTED BY:**	Mr. Mark K. DeWeese
SAMPLE:	Furnace – Paint Waste Sample	**REPORT DATE:**	August 10, 2005
LABORATORY NO:	38329 Page 1 of 3	**PURCHASE ORDER NO:**	32880

TEST **RESULT**

TCLP Metals by Inductively Coupled Plasma (ICP), E.P.A 6010

Contaminant	Result, ppm	Reporting Limit, ppm	Regulatory Limit, ppm
Arsenic	<1.0	1.0	5.0
Antimony	<1.0	1.0	1.0
Barium	4.50	1.0	100.0
Beryllium	<1.0	1.0	1.0
Cadmium	<1.0	1.0	1.0
Chromium	<1.0	1.0	5.0
Lead	<1.0	1.0	5.0
Nickel	<1.0	1.0	1.0
Selenium	<1.0	1.0	1.0
Silver	<1.0	1.0	5.0

Mercury Content, ASTM E 885

Contaminant	Result, ppm	Reporting Limit, ppm	Regulatory Level, ppm
Mercury	<0.1	0.10	0.10

Volatile Organic Compounds by GC/MS, E.P.A. Method 8260 (Purge & Trap):

Compounds	Result, ppm	Reporting Limit, ppm
Dichlorodifluoromethane	Not Detected	0.02
Chloromethane	Not Detected	0.02
Vinyl chloride	Not Detected	0.02
Bromomethane	Not Detected	0.02
Chloroethane	Not Detected	0.02
Trichlorofluoromethane	Not Detected	0.02
1,1-Dichloroethene	Not Detected	0.02
Methylenechloride	Not Detected	0.02
trans-1,2-Dichloroethene	Not Detected	0.02
1,1-Dichloroethane	Not Detected	0.02
cis-1,2-Dichloroethene	Not Detected	0.02
2,2-Dichloropropane	Not Detected	0.02
Bromochloromethane	Not Detected	0.02
Chloroform	Not Detected	0.02
1,1,1-Trichloroethane	Not Detected	0.02
1,2-Dichloroethane	Not Detected	0.02
1,1-Dichloropropene	Not Detected	0.02

ASTM INTERNATIONAL

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

Cert. No. 5085

Certificate of Analysis

SINCE 1985

Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	Goodman Manufacturing Co. L.P.	**REQUESTED BY:**	Mr. Mark K. DeWeese
SAMPLE:	Furnace – Paint Waste Sample	**REPORT DATE:**	August 10, 2005
LABORATORY NO:	38329 Page 2 of 3	**PURCHASE ORDER NO:**	32880

TEST **RESULT**

Volatile Organic Compounds by GC/MS, E.P.A. Method 8260: (Cont.)

Compounds	***Result, ppm***	***Reporting Limit, ppm***
Benzene	Not Detected	0.02
Carbontetrachloride	Not Detected	0.02
1,2-Dichloropropane	Not Detected	0.02
Trichloroethene	Not Detected	0.02
Dibromomethane	Not Detected	0.02
Bromodichloromethane	Not Detected	0.02
cis-1,3-Dichloropropene	Not Detected	0.02
trans-1,3-Dichloropropene	Not Detected	0.02
Toluene	Not Detected	0.02
1,1,2-Trichloroethane	Not Detected	0.02
1,3-Dichloropropane	Not Detected	0.02
Dibromochloromethane	Not Detected	0.02
1,2-Dibromoethane	Not Detected	0.02
Tetrachloroethene	Not Detected	0.02
Chlorobenzene	Not Detected	0.02
1,1,1,2-Tetrachloroethane	Not Detected	0.02
Ethylbenzene	Not Detected	0.02
m&p-Xylene	Not Detected	0.02
Bromoform	Not Detected	0.02
Styrene	Not Detected	0.02
o-Xylene	Not Detected	0.02
1,1,2,2-Tetrachloroethane	Not Detected	0.02
1,2,3-Trichloropropane	Not Detected	0.02
Isopropylbenzene	Not Detected	0.02
Bromobenzene	Not Detected	0.02
2-Chlorotoluene	Not Detected	0.02
n-Propylbenzene	Not Detected	0.02
4-Chlorotoluene	Not Detected	0.02
1,3,5-Trimethylbenzene	Not Detected	0.02
tert-Butylbenzene	Not Detected	0.02
1,2,4-Trimethylbenzene	Not Detected	0.02
1,3-Dichlorobenzene	Not Detected	0.02
sec-Butylbenzene	Not Detected	0.02
1,4-Dichlorobenzene	Not Detected	0.02
p-Isopropyltoluene	Not Detected	0.02
1,2-Dichlorobenzene	Not Detected	0.02
n-Butylbenzene	Not Detected	0.02
1,2-Dibromo-3-chloropropan	Not Detected	0.02
1,2,4-Trichlorobenzene	Not Detected	0.02
Naphthalene	Not Detected	0.02
1,2,3-Trichlorobenzene	Not Detected	0.02
Hexachlorobutadiene	Not Detected	0.02

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

Cert. No. 5085

Certificate of Analysis

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	Goodman Manufacturing Co. L.P.	**REQUESTED BY:**	Mr. Mark K. DeWeese
SAMPLE:	Furnace – Paint Waste Sample	**REPORT DATE:**	August 10, 2005
LABORATORY NO:	38329 Page 3 of 3	**PURCHASE ORDER NO:**	32880

TEST	RESULT
Total Metals by Inductively Coupled Plasma (ICP), E.P.A 6010	
Antimony, ppm	<1.0
Arsenic, ppm	<1.0
Barium, ppm	3,351
Beryllium, ppm	<1.0
Cadmium, ppm	<1.0
Chromium, ppm	<1.0
Lead, ppm	<1.0
Nickel, ppm	<1.0
Selenium ppm	<1.0
Silver, ppm	<1.0
Mercury, ppm	<0.1
Total Petroleum Hydrocarbons, EPA 8015 (GC), ppm	7,723

Respectfully submitted
FOR TEXAS OILTECH LABORATORIES, L.P.

A. Phil Sorurbakhsh
Director of Laboratory Operations

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

Cert. No. 5085

Trial on 5-Stage Pt Line
Starting 1/2/03

Valspar

CONFIDENTIAL

TECHNICAL DATA SHEET

KANSAS CITY
1136 Fayette Street
NKC, MO. 64116
816-421-7400

JACKSON
95 Quaker Oats Drive
Jackson, TN 38301
731-421-9200

CHARLOTTE
10300 C. Freeman Drive
Charlotte, NC 28262
704-548-282

BALTIMORE
8200 Fischer Road
Baltimore, MD 21222
410-477-8200

PRODUCT DESCRIPTION: Bahama Beige Polyester

CODE: PTB60003

POWDER PROPERTIES

CHEMICAL TYPE:	Polyester/TGIC
SPECIFIC GRAVITY:	1.63 ± 0.05
CURE CYCLE:	15' @ 365F
THEORETICAL COVERAGE:	118.03 sq. ft./lb. @ 1.0 mil
APPEARANCE:	Smooth

MECHANICAL TESTS

	METHOD	RESULTS
FLEXIBILITY (CONICAL MANDREL)	ASTM D-522	Pass 1/8"
ADHESION	ASTM D-3359	5B
IMPACT RESISTANCE	ASTM D-2794 DIRECT	160 in. lbs. Pass
	ASTM D-2794 REVERSE	160 in. lbs. Pass
GEL TIME	WI-QC-18510-LI	40-60
GLOSS (60°)	ASTM D-523	65-75
SALT SPRAY (B1030/P95)	ASTM B-117	500 hrs. 1/16" max.

ALL TESTS WERE PERFORMED ON .032 CRS PANELS CURED 15 ' @ 365F.
ELECTROSTATICALLY SPRAYED AT 1.2 – 2.5 mils.

PRE-TREATMENT

STEEL: SURFACE MUST BE CLEAN, RUST FREE AND FREE FROM GREASE. CORROSION RESISTANCE CAN BE IMPROVED BY PRETREATING WITH IRON PHOSPHATE, AND TO A GREATER EXTENT WITH ZINC PHOSPHATE.

APPLICATION: ELECTROSTATIC 50-90KV

STORAGE & HANDLING

THIS PRODUCT SHOULD BE STORED BELOW 80°F AND 50% RELATIVE HUMIDITY. IF IT IS STORED AT A TEMPERATURE BELOW THE APPLICATION ROOM TEMPERATURE, ALLOW THE PRODUCT TO COME UP TO TEMPERATURE BEFORE OPENING THE CONTAINER. REFERENCE SHOULD BE MADE TO THE MATERIAL SAFETY DATA SHEET. RECOMMENDED SHELVE LIFE IS 12 MONTHS.

TDS REVISION NUMBER: 00

F4.4.21.01C Revision 01

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.

EPAHO102001194

The Valspar Corporation
Material Safety Data Sheet

(b) (4)

[redacted]

(b) (4)

[redacted]

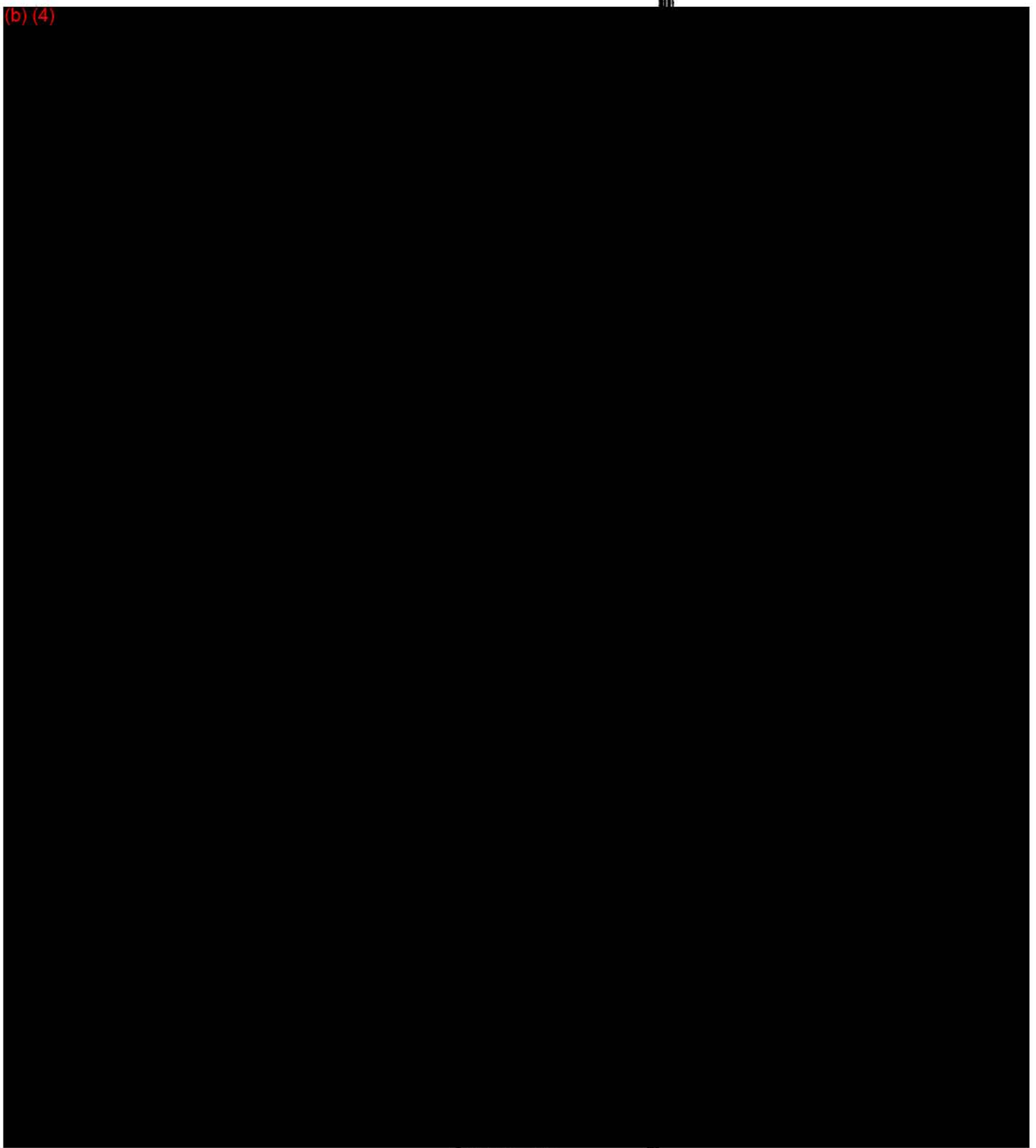
(b) (4)

[redacted]

(b) (4)

[redacted]

(b) (4)



(b) (4)

[redacted]

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/19/2005**

Dear **Chris Neil**

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 # 1065

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

Waste Information

Name of Waste: Unused Paint Powder
TCEQ Waste Code #: 11114022
Container Type:
Detailed Description of Process Generating Waste:
Unused paint powder (Bahama Beige Polyester-MSDS attached) contaminated with moisture
Color: Beige **Odor:** None **pH:** N/A
Physical State: Solid
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: 39048
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 : Chris Neil **Title :**
Phone No : (713) 861-2500 **Fax :**
24 / HR Phone : (713) 861-2500
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
City, State, Zip : Houston TX 77008
Contact : Chris Neil **Title :**
Phone No : (713) 861-2500 **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Unused Paint Powder

Detailed Description of Process Generating Waste:

Unused paint powder (Bahama Beige Polyester-MSDS attached) contaminated with moisture

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

Color : Beige **Odor :** None

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

Layers : ☑ Single-Phas ☐ Multi-Phase

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

Container Size :

Number Of Units : 10

Texas State Waste Code No : 11114022

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste solids

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	N/A	BRL mg/l	BRL mg/l	100 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
N/A mg/l	N/A mg/l	BRL mg/l	BRL mg/l	BRL mg/l

EPAHO102001202

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Bahama Beige Polyester	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 for Bahama Beige Polyester and 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 generators knowledge

TCLP Metals : TCLP Metals are below regulatory limits

TCLP Volatilies : TCLP Volatiles are below regulatory limits

TCLP Semi-Volatiles : TCLP Semi-Volatiles are below regulatory limits

Reactivity : No reactive materials are present

Corrosivity : Materials is 100% solid

Ignitability : No ignitable materials are present

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 : _____ **Date :** 7/20/2005

Printed Name / Title : Chris Neill / Chris Neill / EHS Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer :

Date : 8/4/2005 **Status :** Approved Rejected

Approval Number : 1065

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

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

EPAHO102001204

(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.

EPAHO102001205

Goodman®

Goodman Manufacturing Company LP
3300 West 11th Street
Houston, Texas 77008

September 17, 2005

CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021

RE: Reclassification of Waste Powder Coating (Profile No. 1065)

Please be advised that the Waste Powder Coating generated at Goodman's Furnace factory has been analyzed recently, and the results indicate that this material can be reclassified as a Class 2 Waste (see attached analytical report).

We would like to amend the waste code number for this profile to 11114022.

Best regards,

Mark K. DeWeese
Environmental Affairs
281-536-3337

CES Environmental Services, Inc.

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

Fax

FROM

~~From:~~ Mark Deweese

TO

~~To:~~ Sean Easton

Fax: ~~281-307-5440~~ 713-676-1676 **Pages:** 2

Phone: **Date:** September 16, 2005

Re: Class II Paint Powder **cc:**

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

• **Comments:**

Mark,

Please sign the attached letter and fax back to me ASAP.

Thank you,

Sean Easton

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1065

Generator: GOODMAN MANUFACTURING (FURNACE PLANT)
Address: 3300 WEST 11TH STREET HOUSTON, TX 77008
Name of Waste: UNUSED PAINT POWDER
TCEQ Waste Code Number: 11054031

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: BEIGE
- Physical Appearance
  Liquid _____ Solid X
  Multiphase Liquid _____ Solid _____ Sludge _____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB1
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 12925
Waste Manifest Number: 362984 1
Date of Shipment: 7-21-05
Container Type (i.e. drum, tote, etc.): DRUMS
Quantity: 4

Analyst/Sampler: Loran Thomas Date: 7-21-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1065

Generator: GOODMAN MANUFACTURING
Address: 3300 WEST 11TH STREET HOUSTON, TX 77008
Name of Waste: PAINT POWDER
TCEQ Waste Code Number: 1114032

Incompatibilities: NONE
Safety Related Data/Special Handling: STANDARD PPE

Waste Sample Data

- Color of Sample: GREY
- Physical Appearance
  Liquid____ Solid X
  Multiphase Liquid____ Solid____ Sludge____
  Describe: ____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): NONE
- Odor: NONE
- Compatible with proposed mix material: ☒ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB2
- Bulk process code assigned (see list): ____
  Bulk tank assigned: ____

Shipment Information

Job Confirmation Number: 14342
Waste Manifest Number: 3946569
Date of Shipment: 9-19-05
Container Type (i.e. drum, tote, etc.): DRUM
Quantity: 13

Analyst/Sampler: [signature] Date: 9-19-05

CES Environmental Services, Inc.

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

Receiving Report

Profile #: 1065

Generator: Goodman Manufacturing (Furnace Plant
Address: 3300 West 11th Street ; Houston, TX 77008
Name of Waste: Unused Paint Powder
TCEQ Waste Code Number: 11114032

Incompatibilities: None
Safety Related Data/Special Handling: Standard PPE

Waste Sample Data

- Color of Sample: Beige
- Physical Appearance
  Liquid_____ Solid_____
  Multiphase Liquid_____ Solid_____ Sludge_____
  Describe: _____
- Matches description from the waste profile: ☒ YES ☐ NO
- Matches general composition from the waste profile: ☒ YES ☐ NO
- pH of liquid (water phase): N/A
- Odor: None
- Compatible with proposed mix material: ☑ YES ☐ NO
  (EPA-600/2-80-076 review if applicable)
- Drum process code(s) assigned (see list): OTB-2
- Bulk process code assigned (see list): _____
  Bulk tank assigned: _____

Shipment Information

Job Confirmation Number: 16012
Waste Manifest Number: 3947561
Date of Shipment: 11/21/05
Container Type (i.e. drum, tote, etc.): Drum
Quantity: 21

Analyst/Sampler: _____ Date: 11/21/05

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-1065**

Customer: **Goodman Manufacturing (Furnace Plant)**

Waste Generator: **Goodman Manufacturing (Furnace Plant)**

Waste Stream Name: **Unused Paint Powder**

Expiration Date: **8/4/2008**

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.

Goodman MFG.
Customer Name

Signature

EHS Coordinator
Company / Title

3/2/09
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

√

The Valspar Corporation
Material Safety Data Sheet

(b) (4)

[redacted]

(b) (4)

[redacted]

(b) (4)

[redacted]

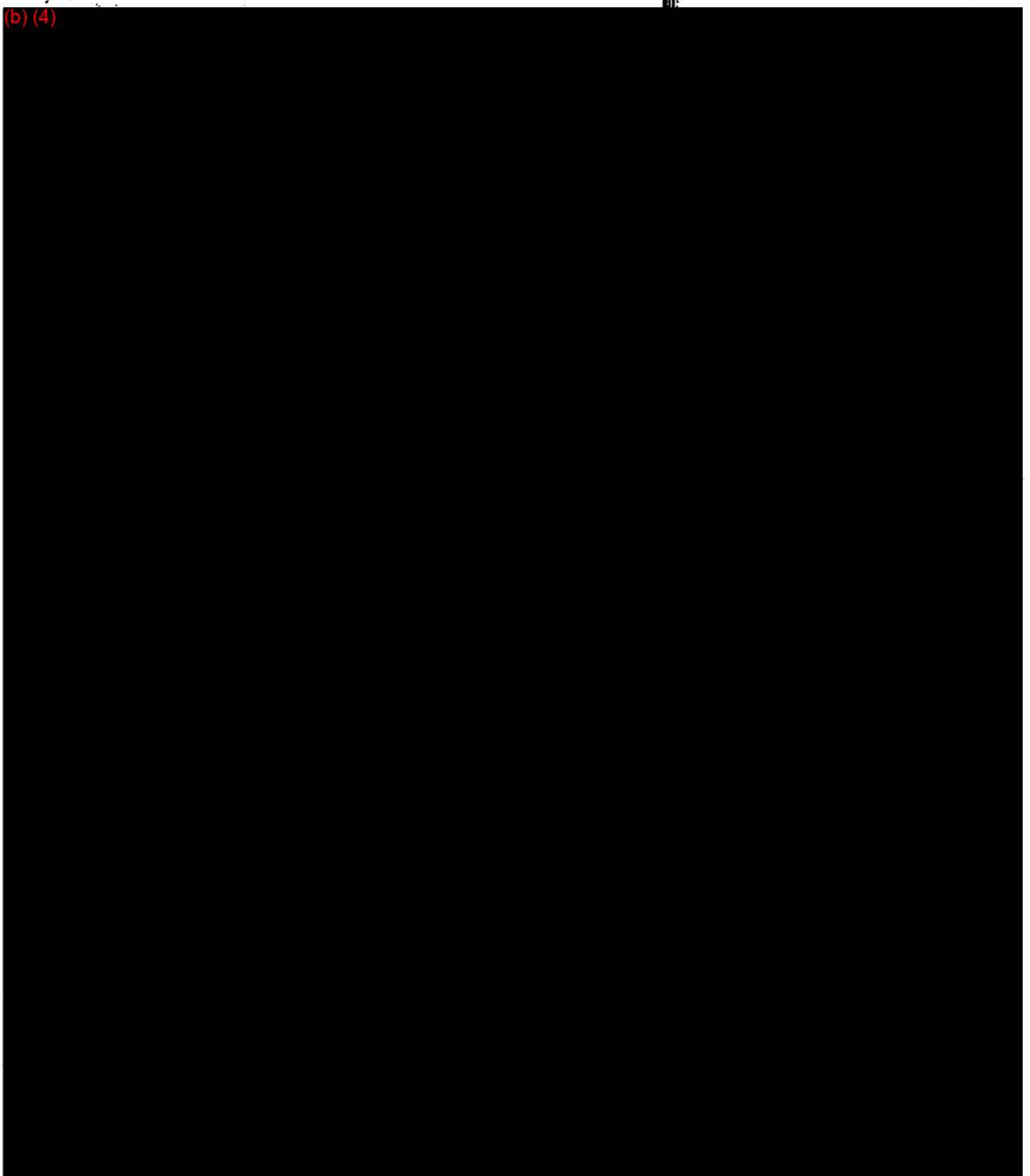
(b) (4)

[redacted]

(b) (4)

[redacted]

(b) (4)



Certificate of Analysis

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	Goodman Manufacturing Co. L.P.	REQUESTED BY:	Mr. Mark K. DeWeese
SAMPLE:	Furnace – Paint Waste Sample	REPORT DATE:	August 10, 2005
LABORATORY NO:	38329 Page 1 of 3	PURCHASE ORDER NO:	32880

TEST **RESULT**

TCLP Metals by Inductively Coupled Plasma (ICP), E.P.A 6010

Contaminant	Result, ppm	Reporting Limit, ppm	Regulatory Limit, ppm
Arsenic	<1.0	1.0	5.0
Antimony	<1.0	1.0	1.0
Barium	4.50	1.0	100.0
Beryllium	<1.0	1.0	1.0
Cadmium	<1.0	1.0	1.0
Chromium	<1.0	1.0	5.0
Lead	<1.0	1.0	5.0
Nickel	<1.0	1.0	1.0
Selenium	<1.0	1.0	1.0
Silver	<1.0	1.0	5.0

Mercury Content, ASTM E 885

Contaminant	Result, ppm	Reporting Limit, ppm	Regulatory Level, ppm
Mercury	<0.1	0.10	0.10

Volatile Organic Compounds by GC/MS, E.P.A. Method 8260 (Purge & Trap):

Compounds	Result, ppm	Reporting Limit, ppm
Dichlorodifluoromethane	Not Detected	0.02
Chloromethane	Not Detected	0.02
Vinyl chloride	Not Detected	0.02
Bromomethane	Not Detected	0.02
Chloroethane	Not Detected	0.02
Trichlorofluoromethane	Not Detected	0.02
1,1-Dichloroethene	Not Detected	0.02
Methylenechloride	Not Detected	0.02
trans-1,2-Dichloroethene	Not Detected	0.02
1,1-Dichloroethane	Not Detected	0.02
cis-1,2-Dichloroethene	Not Detected	0.02
2,2-Dichloropropane	Not Detected	0.02
Bromochloromethane	Not Detected	0.02
Chloroform	Not Detected	0.02
1,1,1-Trichloroethane	Not Detected	0.02
1,2-Dichloroethane	Not Detected	0.02
1,1-Dichloropropene	Not Detected	0.02

ASTM INTERNATIONAL

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

ANSI-RAB ACCREDITED
Cert. No. 5085

Certificate of Analysis

SINCE 1985

Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741805, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	Goodman Manufacturing Co. L.P.	REQUESTED BY:	Mr. Mark K. DeWeese
SAMPLE:	Furnace – Paint Waste Sample	REPORT DATE:	August 10, 2005
LABORATORY NO:	38329 Page 2 of 3	PURCHASE ORDER NO:	32880

TEST RESULT

Volatile Organic Compounds by GC/MS, E.P.A. Method 8260: (Cont.)

Compounds	*Result, ppm*	*Reporting Limit, ppm*
Benzene	Not Detected	0.02
Carbontetrachloride	Not Detected	0.02
1,2-Dichloropropane	Not Detected	0.02
Trichloroethene	Not Detected	0.02
Dibromomethane	Not Detected	0.02
Bromodichloromethane	Not Detected	0.02
cis-1,3-Dichloropropene	Not Detected	0.02
trans-1,3-Dichloropropene	Not Detected	0.02
Toluene	Not Detected	0.02
1,1,2-Trichloroethane	Not Detected	0.02
1,3-Dichloropropane	Not Detected	0.02
Dibromochloromethane	Not Detected	0.02
1,2-Dibromoethane	Not Detected	0.02
Tetrachloroethene	Not Detected	0.02
Chlorobenzene	Not Detected	0.02
1,1,1,2-Tetrachloroethane	Not Detected	0.02
Ethylbenzene	Not Detected	0.02
m&p-Xylene	Not Detected	0.02
Bromoform	Not Detected	0.02
Styrene	Not Detected	0.02
o-Xylene	Not Detected	0.02
1,1,2,2-Tetrachloroethane	Not Detected	0.02
1,2,3-Trichloropropane	Not Detected	0.02
Isopropylbenzene	Not Detected	0.02
Bromobenzene	Not Detected	0.02
2-Chlorotoluene	Not Detected	0.02
n-Propylbenzene	Not Detected	0.02
4-Chlorotoluene	Not Detected	0.02
1,3,5-Trimethylbenzene	Not Detected	0.02
tert-Butylbenzene	Not Detected	0.02
1,2,4-Trimethylbenzene	Not Detected	0.02
1,3-Dichlorobenzene	Not Detected	0.02
sec-Butylbenzene	Not Detected	0.02
1,4-Dichlorobenzene	Not Detected	0.02
p-Isopropyltoluene	Not Detected	0.02
1,2-Dichlorobenzene	Not Detected	0.02
n-Butylbenzene	Not Detected	0.02
1,2-Dibromo-3-chloropropan	Not Detected	0.02
1,2,4-Trichlorobenzene	Not Detected	0.02
Naphthalene	Not Detected	0.02
1,2,3-Trichlorobenzene	Not Detected	0.02
Hexachlorobutadiene	Not Detected	0.02

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

Cert. No. 5085

Certificate of Analysis

SINCE 1985

Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	Goodman Manufacturing Co. L.P.	REQUESTED BY:	Mr. Mark K. DeWeese
SAMPLE:	Furnace – Paint Waste Sample	REPORT DATE:	August 10, 2005
LABORATORY NO:	38329 Page 3 of 3	PURCHASE ORDER NO:	32880

TEST	RESULT
Total Metals by Inductively Coupled Plasma (ICP), E.P.A 6010	
Antimony, ppm	<1.0
Arsenic, ppm	<1.0
Barium, ppm	3,351
Beryllium, ppm	<1.0
Cadmium, ppm	<1.0
Chromium, ppm	<1.0
Lead, ppm	<1.0
Nickel, ppm	<1.0
Selenium ppm	<1.0
Silver, ppm	<1.0
Mercury, ppm	<0.1
Total Petroleum Hydrocarbons, EPA 8015 (GC), ppm	7,723

Respectfully submitted
FOR TEXAS OILTECH LABORATORIES, L.P.

A. Phil Sorurbakhsh
Director of Laboratory Operations

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

Cert. No. 5085

SHELL GLOBAL <2328>

EPAHO10300001

CES Environmental Services, Inc.

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

Material / Product Approval Letter

Date **8/31/2007**

Dear

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 # 2328

Producer: PPG Industries, Inc
Address: 1901 Avenue H & South 16th Street
LaPorte, TX 77572

Material / Product Information

Name of Material / Product Acetic acid
Container Type:

Detailed Description of Process Generating or Producing the Material / Product:
Solvent from production of pharmaceutical chemicals.

Color: colorless to pale yello **Odor:** pungent / strond acrid **pH:** na
Physical State:

Incompatibilities: see MSDS

Safety Related Data/Special Handling:
see MSDS

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: Material Producer Information

Company: PPG
Address: 601 AVENUE H & SOUTH 11TH STREET
City, State, Zip: LA PORTE TX 77572
Contact: DAVE ROE Title:
Phone No: 800-424-9300 Fax No: 281-470-2905
24/hr Phone:
U.S. EPA I.D. No: TXD008950907
State I.D. 30553 SIC Code: 2869

SECTION 2: Billing Information – ☐ Same as Above

Company: PPG CHEMICALS
Address: PO BOX 660750
City, State, Zip: DALLAS TX 75266-0750
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / Product

Name of Material / Product: ACETIC ACID
Detailed Description of Process Generating or Producing the Material / Product: Solvent from production of pharmeceutical chemicals.

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

Color: colorless to pale yellow Odor: PUNGENT / strong acid vinegar

Specific Gravity (water=1): 1.051 Density: 8.77 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: 500

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 6 Other:

flammable

Proper U.S. DOT Shipping Name: RQ ACETIC ACID Solution CORROSIVE
Class: 8 UN/NA: UN 2789 PG: II RQ: 5000 lbs

Flash Point 113	pH NA	N/A	N/A	Solids 0 %
Oil&Grease NA mg/l	TOC NA mg/l	Zinc NA mg/l	Copper NA mg/l	Nickel NA mg/l

EPAHO103000003

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
ACETIC ACID	30-99%	
WATER	1-70%	

SECTION 5: Safety Related Data

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

—— See MSDS

SECTION 6: Attached Supporting Documents

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

—— MS DS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

—— See MSDS

SECTION 8: Material Producer'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:** ____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Technical Manager: [signature]	Please test water by distillation and specific gravity. If acetic acid % is less than 95%, call salesperson (Kelli) NOTE COLOR, ODOR, + SUSPENDED SOLIDS
Date: 8/31/2007 Approved Rejected	
Approval Number: 2328	

EPAHO103000004

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: VE3232S Acetic Acid
PRODUCT ID: 0983
ISSUE DATE: 03/18/2003
EDITION NO.: 1

PPG Industries, Inc.
One PPG Place, Pittsburgh, PA 15272, USA
24-hour Emergency Telephone Number: 1-304-843-1300
For Product Information (8am-5pm Eastern time):
1-800-323-2487 (Fine/Optical)

PREPARER: Product Safety, Chemicals

2. COMPOSITION/INFORMATION ON INGREDIENTS

Material/CAS Number	Percent
Acetic Acid 64-19-7	95 - 98

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER! Combustible. Corrosive - Causes severe burns to eyes and skin. May be absorbed through the skin. Vapor and/or spray mist may be harmful if inhaled. Vapor irritates eyes, nose and throat. Harmful or fatal if swallowed.

Precautions: Do not get in eyes, on skin, or on clothing. Do not breathe mist or vapors. Use only with adequate ventilation. Ventilation must be sufficient to limit employee exposure to this product below permissible exposure limits. Do not swallow. Swallowing can cause severe internal burns and may be fatal. Wash thoroughly every day after work. Do not eat, drink or smoke in work area.

4. FIRST AID MEASURES

INHALATION: Remove from area to fresh air. Contact a poison control center, emergency room or physician right away as further treatment will be necessary.

EYE/SKIN CONTACT: EYE: Remove contact lens and pour a gentle stream of warm water through

EPAHO103000005

the affected eye for at least 15 minutes. Contact a poison control center, emergency room or physician right away as further treatment will be necessary. SKIN: Run a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available. Contact a poison control center, emergency room or physician right away as further treatment will be necessary.

INGESTION: Gently wipe or rinse the inside of the mouth with water. Sips of water may be given if person is fully conscious. Never give anything by mouth to an unconscious or convulsing person. Do Not induce vomiting. Contact a poison control center, emergency room or physician right away as further treatment will be necessary.

5. FIRE FIGHTING MEASURES

FLASH POINT: 103°F (39 °C) (Acetic Acid)

FLAMMABLE LIMITS IN AIR - LOWER (%): 5.4 % (Acetic Acid)

FLAMMABLE LIMITS IN AIR - UPPER (%): 16 % (Acetic Acid)

EXTINGUISHING MEDIA: Carbon Dioxide. Dry Chemicals. Foam.

SPECIAL FIREFIGHTING PROCEDURES: Contact with most metals can rapidly generate hydrogen, which is explosive. Fire-fighters must wear NIOSH approved pressure demand, self-contained breathing apparatus and full protective clothing when fighting chemical fires. Emits toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Unprotected personnel should move upwind of spill. Only personnel equipped with proper respiratory and eye/skin protection should be permitted in the area. Dike area to contain spill. Dilute spill with large amounts of water then neutralize with dilute caustic or soda ash. Use a vacuum truck to pick up neutralized material for proper disposal. Properly neutralized liquid residues (pH 6 to 9) may be disposed of in waste water treatment facilities which allow the discharge of neutral salt solutions. After all visible traces have been removed, flush area with large amounts of water. Recover spilled material and reuse or dispose of according to regulations.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE:
Store in a cool, dry, well-ventilated place. Keep container closed when not in use. Store only in closed, properly labeled containers. Wear appropriate personal protective equipment when handling this product. Wear respiratory protection whenever exposure to vapor is likely. Prevent acid from contacting strong alkalies or metals. Add compound slowly to water, never water to compound.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:
8-hour Time Weighted Average (TWA); 15-minute Short-Term Exposure Limit (STEL)

OSHA: The OSHA exposure limit for acetic acid is 10 ppm TWA/ 25 mg/m^3.

ACGIH: The ACGIH exposure limit for acetic acid is 10 ppm TWA /15 ppm STEL.

RESPIRATORY PROTECTION: In situations where exposure to vapors or mists is likely, use a full facepiece organic vapor/acid gas chemical cartridge or canister respirator.

VENTILATION: Use local exhaust sufficient to maintain dust/mist levels below permissible exposure limits.

EYE AND FACE PROTECTION: Close fitting chemical safety goggles with faceshield.

PROTECTIVE GLOVES: Impervious gloves. Butyl rubber. Viton®. Neoprene.

OTHER PROTECTIVE EQUIPMENT: Boots, aprons, or chemical suits should be used when necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	118°C (244°F) (Acetic Acid)
VAPOR DENSITY (Air=1):	2.07 (acetic acid)
SPECIFIC GRAVITY (Water=1):	1.051
pH:	NA
FREEZING/MELTING POINT:	62 °F (16.6 °C)
SOLUBILITY (wt.% in water):	Complete at 20 °C
BULK DENSITY:	65.6 lbs/ft3
VOLUME % VOLATILE:	99 + %
VAPOR PRESSURE:	11.4 mm Hg at 20°C (Acetic Acid)
EVAPORATION RATE:	0.97 Acetic Acid (butyl acetate=1)
HEAT OF SOLUTION:	NA
PHYSICAL STATE:	Liquid
ODOR:	STRONG ACRID VINEGAR
COLOR:	Colorless to pale yellow

10. STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (CONDITIONS/MATERIALS TO AVOID):
Avoid heat, flames, sparks and other sources of ignition. Strong oxidizers. Chromic acid, sodium peroxide, nitric acid, and strong caustics.

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:
Carbon monoxide. Carbon dioxide.

EPAHO103000007

11. TOXICOLOGICAL INFORMATION

ACUTE INHALATION LC50: 5620 ppm/ 1hour LC50 Mouse (Acetic Acid) Slight to very low toxicity.
ACUTE DERMAL LD50: 1112 mg/kg (Acetic acid). (rabbit) Slight to very low toxicity.
SKIN IRRITATION: Corrosive.
EYE IRRITATION: Corrosive.
ACUTE ORAL LD50: 3310 mg/kg (Acetic acid). (rat) Slight to very low toxicity.

CHRONIC EFFECTS/CARCINOGENICITY: This product is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

MEDICAL CONDITIONS AGGRAVATED: None known.

EFFECTS OF OVEREXPOSURE:

The following information is based on the principle component in this product.

ACUTE:

Inhalation: Acetic acid mists or vapors are severely irritating to the respiratory tract and mucous membranes. Inhalation of sufficiently high concentrations may result in laryngeal spasms and/or edema, and lead to rapidly developing pulmonary edema. Mists may also cause bleeding of the nose and gum, ulceration of the nasal and oral mucosa, and severe skin and eye irritation.

Eye/skin: Acetic acid is corrosive to the eyes and skin. Direct eye contact can result in blindness even after a short exposure to small amounts.

Ingestion: Ingestion of acetic acid causes severe burns of the digestive tract because of its corrosive nature and may be fatal.

CHRONIC: The effects of long-term, low level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the prevention of all contact with this material to avoid any effects from repetitive acute exposures.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:
This information is for acetic acid the principle component in this product:
LC50 (96 hr) fathead minnow: 88mg/L. Conditions: Static, 18-22°C.;
LC50 (96 hr) bluegill sunfish: 75 mg/L;
LC50 (24 hr) goldfish; 423 mg/L;
EC50 (24-48 hr) water flea: 32-47 mg/L;
EC50 (5,15, 25 min.) Photobacterium phoshoreum: 8.86-11 mg/L Microtox test. Conditions: 15 °C.
Moderately toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

EPAHO103000008

DISPOSAL METHOD:
Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

14. TRANSPORT INFORMATION

Proper Shipping Name: Acetic Acid Solution
Hazard Class: 8 (Corrosive)
Subsidiary Risk: 3 (Flammable Liquid).
UN Number: UN2789
Packing Group: II
USA-RQ, Hazardous Substance and Quantity: 5000 lbs./2270 kg (Acetic acid)
Marine Pollutant: None

15. REGULATORY INFORMATION

USA TSCA: All components of this product are listed on the TSCA Inventory.
EUROPE EINECS: All components in this product are listed on EINECS.
CANADA DOMESTIC SUBSTANCES LIST (DSL): This product and/or all of its components are listed on the Canadian DSL.
AUSTRALIA AICS:
KOREA ECL: All components in this product are listed on the Korean Existing Chemicals Inventory (KECI).
JAPAN MITI (ENCS): All components in this product are listed on the Japanese Existing and New Chemical Substances (ENCS) chemical inventory.
PHILIPPINES PICCS: All of the components in this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

SARA TITLE III:
SARA (311, 312) Hazard Class:
Acute Health Hazard. Fire Hazard.
SARA (313) Chemicals:
Not listed.
SARA Extremely Hazardous Substance:
Not listed.

CERCLA Hazardous Substance:
The following materials are listed as CERCLA Hazardous Substances in Table 302.4 of 40 CFR Part 302: Acetic acid (64-19-7) RQ = 5000 lbs./2270 kg.

CANADA REGULATIONS (WHMIS): Class E - Corrosive Material. Class D2A - Very Toxic Materials. Class B3 - Combustible Liquids.

16. OTHER INFORMATION

NA = Not Available

EPAHO103000009

Onyx-One 2329 2339

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/12/2007**

Dear **Ron Tamborello**

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 # 2329

Generator: Onyx-One
Address: 17225 El Camino Real
Houston, TX 77058

Waste Information

Name of Waste: Elevator shaft fluids
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:

Color: brown **Odor:** oil 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

SECTION 1: Generator Information

Company:	Onyx-One		
Address:	17225 El Camino Real		
City, State, Zip:	Houston, TX 77058		
Contact:	Jeff Walker	Title:	Manager
Phone No:	281-480-8103	Fax No:	281-488-6832
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	NA-Municipal		
State I.D.	NA-Municipal	SIC Code:	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Thyssen Krupp Elevator		
Address:	14820 Tomball Parkway Suite 190		
City, State, Zip:	Houston, TX 77041		
Contact:	Ron Tamborello	Title:	Manager
Phone No:	713-849-2191	Fax No:	713-896-4660

SECTION 3: General Description of the Waste

Name of Waste: Elevator Shaft Fluids
Detailed Description of Process Generating Waste: Removal of oily water and sand from elevator shaft for repair purposes

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

Color: brown Odor: oil like

Specific Gravity (water=1): .95-1.3 Density: 8-10 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 3000 gal ____

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 neutral	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 5-30%
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 %
Mud and Sand	5-30	%
Oil	2-10	%
Water	70-95	%

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-(Chlor-D-Tect upon arrival) Based on historical information on this type of waste stream and the method of generation there are no hazardous components suspected

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: Jeff Walker **Date:** 9/12/07

Printed Name/Title: Building Manager Jeff Walker

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Richard Thomas

Date: 9-12-07 Approved Rejected

Approval Number: 2329

Additional Information: Take off oily water For recycling - Solids to Class I Box if too full redirect to Non-Haz Disposal 35¢/Gallon min 250 gal Wash out T&M

EPAHO103000013

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

EPAHO103000014

(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.

Barlow Jones & Brust
17225 El Camino Real, Suite 400
Houston, Texas 77058-2768
Phone: (281) 488-8440
Fax: (281) 488-6832
www.barlowtoddlaw.lawoffice.com

Fax Cover Sheet

TO	FROM
Gary	Jeff Walker
Fax #: 713-676-1676	
Date: 9/12/07	Pages: 6 including this page
Client/Matter:	

Special Instructions (please check one)

☐ *Confidential* ☐ *Rush* ☐ *Deadline Time* ___ ☐ *Normal Processing*

☐ *For Your Information/Review* ☐ *Client Copy* ☐ *Per Your Request*

☐ *Also being sent via* _____*U.S. mail* _____*Federal Express* _____*UPS*

Comments/Message:

This transmission is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable laws. If the reader of this transmission is not the intended recipient or the employee or agent responsible for delivering the transmission to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original transmission to us at the above address via the U.S. Postal Service. Thank you.

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL SENDER AT THE ABOVE NUMBER AS SOON AS POSSIBLE.

2330 Louisianna Pacific (Silsbee)

2330

EPAHO10300017

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/12/2007**

Dear **Ricky Moore**

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 # 2330

Generator: Lousianna Pacific (Silsbee)
Address: 735 Hwy 92 North
Silsbee, TX 77656

Waste Information

Name of Waste: Unused release agent
TCEQ Waste Code #: 00761192
Container Type:
Detailed Description of Process Generating Waste:
Unused/off spec product
Color: amber **Odor:** mild **pH:** 10.3-11.5
Physical State:
Incompatibilities: strong acids/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:	Louisiana Pacific		
Address:	P.O. Box 577		
City, State, Zip:	Silsbee, TX 77656		
Contact:	Ricky Moore	Title:	Environmental Technician
Phone No:	409-385-1942	Fax No:	409-385-2448
24/hr Phone:			
U.S. EPA I.D. No:	TXD008073983		
State I.D.	30109	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: Unused Release Agent
Detailed Description of Process Generating Waste: Unused/off spec product

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

Color: amber Odor: mild

Specific Gravity (water=1): 1-1.2 Density: 8.4 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☒ Tote ☐ Truck ☐ Other (explain)
Container Size: 270 gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 70 Other:
Texas State Waste Code No: 00761192
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 10.3-11.5	Reactive Sulfides NAmg/l	Reactive Cyanides NAmg/l	Solids 0%
Oil&Grease <1000mg/l	TOC <1000mg/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 %
Release Agent K	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 acids/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:** 9/12/07

Printed Name/Title: Ricky Moore

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Meyer

Date: 9-12-07 Approved Rejected

Approval Number: 2330

Additional Information: $75.00

Pump into water load to go to Newark

IL

EPAHO103000020

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

EPAHO103000021

(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.

EPAHO103000022

View Waste Code with Submitted Changes

Facility SWR #: 30109 Data current as of: 09/07/2007

Please print this page.
This page confirms your submittal to the TCEQ.
Your confirmation number is 44824-FB11BD45708DF92AFDDE585A1E4FB4DE
You will also receive a confirmation e-mail.

Texas Waste Code:	00761192
Company Waste Description:	RELEASE AGENT
Origin Code:	1 - Generated on-site from a product process or service activity
New Chemical Substance:	N
Management Location:	2 - Off-site
Management Units:	*Recent changes to your cross references will be reflected here. To view your copy of record, please search the submit log.
Status:	ACTIVE
Recycled:	N
Description:	Unused Release Agent. LP Silsbee no longer requires the use of a release agent when pressing the board to prevent sticking in the press. This waste stream is the unused product in its pure form.

This record has been submitted to the TCEQ. No additional changes can be made to this waste code information until these changes appear in the official TCEQ data on this web site.

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: Release Agent K

Product Use: Release Agent

Manufacturer/Supplier: Surfactants, Inc.
260 Ryan Street
South Plainfield, NJ 07080

Telephone:

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	NA

Emergency Phone: 800-621-8553

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredients	CAS#	Wt%	ACGIH-TLV	LC_{50}	LD_{50}

The specific chemical ingredients of this product are considered to be trade secrets and are withheld in accordance with section 1910.1200 of Title 29 of the CFR. No chemical ingredients present above 1.0% by weight have established exposure limits.

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview

Appearance: Light amber liquid
Physical Hazards*: None
Health Hazards*: Eye Irritant

*Hazard summary as defined by OSHA Hazard Comm. Std.,29 CFR 1910.1200.

Potential Health Effects

General: This health hazard assessment is based on information from commercial and scientific literature.

Ingestion: Ingestion may cause irritation of mouth, throat and stomach with possible nausea and vomiting.

Eye Contact: Direct contact with eyes may cause mild, transitory irritation with local redness.

Skin Contact: No adverse effects are expected from skin contact.

Skin Absorption: No adverse effects are expected from absorption of this product through the skin.

Inhalation: No adverse effects are expected from vapor inhalation.

Other effects of Overexposure: None known.

SECTION 4 – FIRST AID

Skin: Wash with large amounts of soap and water. If irritation persists, seek medical attention.

Eyes: Eye irritant. If splashed in eyes, flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Dilute by drinking water. If irritation persists, seek medical attention.

Inhalation: Not an expected route of exposure. If vapors or mists cause irritation, remove subject to fresh air.

SECTION 5 – FIRE FIGHTING MEASURES

Flashpoint (TCC Method): None

Autoignition Temperature: No Data

Flammable Limits: Not applicable

General: Not a fire hazard.

Firefighting Instructions: Product is non-combustible. Water Spray (Fog), Dry Chemical; CO2; or Foam may be used where product is stored.

Firefighting Equipment: Do not enter confined fire-spaces without protective clothing and self-contained air supply.

Hazardous Combustion Products: Burning may produce oxides of carbon and other substances.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear eye protection during cleanup. Spills cause slippery conditions — do not walk through spilled material. Stop leak if you can do it without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand, soil or inert absorbent and reclaim into containers for reuse, recycle or proper disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Precautions: Prevent eye contact. No special requirements if product is handled according to good manufacturing practices. Clean up spills promptly to avoid slippery conditions. Keep container closed when not in use.

Storage Temperatures: Protect from freezing.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No ACGIH TLV or OSHA PEL is assigned to this mixture. No chemical ingredients present above 1% by weight have established exposure limits.

Engineering Controls: Normal ventilation adequate. Provide eyewash station and safety shower in work area.

Respiratory Protection: Not required.

Protective Clothing: Protective clothing appropriate to minimize contact during specific operations.

Eye Protection: Safety glasses

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light amber liquid with mild, characteristic odor.
Melting Point: Not applicable.
Boiling Point: 212F
Vapor Pressure (mm Hg at 20C): No data
Vapor Density (air = 1): No Data

Solubility in Water: Complete
PH (Concentrate): 10.3 – 11.5
Density (lbs/gal at 20C): 8.4
% Volatile by Weight: Approx. 82%

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong acids / oxidizers.

Hazardous Decomposition Products: Burning may produce oxides of carbon and other substances.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

See Section 3 – Hazards Identification. Toxicity Data: Oral LD50 (Rat)=>2000mg/kg

SECTION 12 – ECOLOGICAL INFORMATION

Material is not RCRA hazardous. Do not contaminate natural waterways by storage or disposal.

SECTION 13– DISPOSAL CONSIDERATIONS

Disposal Method: Material is not RCRA hazardous. Dispose of in an approved waste facility according to Federal, State and local regulations.

Container Disposal: Do not reuse empty container, triple rinse and offer for reconditioning or proper disposal.

SECTION 14– TRANSPORT INFORMATION

DOT Hazard Description: Not regulated.

SECTION 15– REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations (40CFR710): All ingredients are on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40CFR355,370 and 372): This product contains no Section 313 chemicals subject to reporting requirements. This product has no regulatory "RQ" (reportable quantity) under CERCLA.

SECTION 16– OTHER INFORMATION

Meterial is not RCRA hazardous. No special requirements if product is handled according to good manufacturing practices. Clean up promptly to avoid slippery conditions. Keep container closed when not in use.

Date: 9/06/02 **MSDS Prepared by: Larry Lannan** **Telephone: 773-579-6267**

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the applicable regulations. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages that may result from the use of or reliance on any information contained in this form.

SolTex - VerTex Processing 2331

2331

EPAHO103000028

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/12/2007**

Dear **Kenn Young**

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 # 2331

Generator: Soltex-Vertex Processing
Address: 6655 West Bay Road
Baytown, TX 77520

Waste Information

Name of Waste: Empty drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
RCRA empty drums
Color: na **Odor:** na **pH:** na
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.

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:	Soltex		
Address:	6655 W. Bay Rd		
City, State, Zip:	Baytown TX 77520		
Contact:	Rod Eggen	**Title:**	
Phone No:	713-540-9075	**Fax No:**	
24/hr Phone:			
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	n/a

SECTION 2: Billing Information – ☒ Same as Above

Company:	Soltex		
Address:	3707 FM 1960 W. Suite 560		
City, State, Zip:	Houston, TX 77068		
Contact:	Ellie Macnair	**Title:**	Manager, Supply & Distribution
Phone No:	281-587-0900	**Fax No:**	281-587-0209

SECTION 3: General Description of the Waste

Name of Waste: Empty Drums
Detailed Description of Process Generating Waste: RCRA empty drums

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

Color: N/A **Odor:** N/A

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 gal

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): ~130 **Other:** ____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Non RCRA/ Non DOT regulated solids
Class: ~~Rec~~ NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	n/a	n/amg/l	n/amg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	NA mg/l	NA mg/l	NA mg/l	____ mg/l

EPAHO103000030

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty Drums	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):

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
TCLP Volatiles: N/A
TCLP Semi-Volatiles: N/A
Reactivity: N/A
Corrosivity: N/A
Ignitability: N/A

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:** 9-12-07

Printed Name/Title: none required

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:** Recycle
Compliance Officer: Robert Thompson Date: 9-12-07 (Approved) Rejected Approval Number: 2331	$10/drum + trans

EPAHO103000031

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

EPAHO103000032

(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.

EPAHO103000033

QUIET Flex MANUFACTURING 2332
2332

EPAHO10300034

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/12/2007**

Dear **Ramond Bindiola**

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 # 2332

Generator: QuietFlex Manufacturing Company
Address: 4518 Brittmoore
Houston, TX 77041

Waste Information

Name of Waste: Waste black flame retardant
TCEQ Waste Code #: 11033041
Container Type:
Detailed Description of Process Generating Waste:
Unused black flame retardant
Color: black **Odor:** non **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.

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:	Quietflex Manufacturing Company LP		
Address:	4518 Britmoore Road		
City, State, Zip:	Houston, TX 77041		
Contact:	~~Waseem Ahmed~~ Raymond Bindiola	Title:	
Phone No:	(713) 849-2163	Fax No:	
24/hr Phone:	(713) 849-2163		
U.S. EPA I.D. No:	N/A		
State I.D.	87631	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: Waste Black Flame Retardant
Detailed Description of Process Generating Waste: Unused Black Flame Retardant

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

Color: Black Odor: None

Specific Gravity (water=1): .9-1 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): 1 Other:
Texas State Waste Code No: 11033041
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Black Flame Retardant
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	Na	0mg/l	0mg/l	0-5%

Oil&Grease Namg/l	TOC Namg/l	Zinc Namg/l	Copper Namg/l	Nickel Namg/l

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Black Flame Retardant	100	%

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.
MSDS Sheets

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: Raymond John Bindiola Jr. **Date:** 9/10/2007

Printed Name/Title: Raymond John Bindiola Jr. /EH&S Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Flanagan

Date: 9-12-07 Approved Rejected

Approval Number: 2332

Additional Information: $75/ton

IS

EPAHO103000037

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.

Henkel

Material Safety Data Sheet

Henkel Technologies

Revision Date: 02/06/2007

Issue date: 02/06/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: XA-7584 BLACK mod-2
Product type: Adhesive
Company address:
Henkel Corporation
1345 Gasket Drive
Elgin, IL 60120

Item No. : / IDH No. 746591
Region: United States
Contact Information:
Telephone: 847.468.9200
Transportation Emergency Telephone: 800.424.9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Hexabromocyclododecane 25637-99-4	1-5	None	None	None
Carbon black 1333-86-4	1-5	3.5 mg/m³ TWA	3.5 mg/m³ TWA	None
Vinyl acetate 108-05-4	0.1-1	10 ppm TWA 15 ppm STEL	None	None

Non hazardous components
Acrylic emulsion

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state:	Liquid	**HEALTH:**	1
Color:	Black	**FLAMMABILITY:**	0
Odor:	Ammoniacal	**PHYSICAL HAZARD:**	0
		Personal Protection:	See Section 8

Relevant routes of exposure: Eyes, Skin, Inhalation, Ingestion

Potential Health Effects

Inhalation: Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.
Skin contact: May cause slight irritation to skin.
Eye contact: May cause slight irritation to eyes on contact.
Ingestion: May cause gastrointestinal tract irritation if swallowed. Not expected under normal conditions of use.

Existing conditions aggravated by exposure: None known

See Section 11 for additional toxicological information.

EPAHO103000040

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
Skin contact:	Wash affected area immediately with soap and water.
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes.
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop and persist.

5. FIRE-FIGHTING MEASURES

Flash point:	Aqueous. Does not flash.
Autoignition temperature:	Not applicable
Flammable/Explosive limits-lower %:	Not applicable
Flammable/Explosive limits-upper %:	Not applicable
Extinguishing media:	Use media appropriate for surrounding material.
Special fire fighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon, Hydrogen bromide (HBr).

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Small spills can be absorbed with vermiculite, clay or other suitable non-biodegradable absorbent material, scooped up and placed in containers. For large spills dike ahead and collect liquid.

7. HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Do not breathe mist or vapors. Keep container closed. Wash thoroughly after handling.
Storage:	Keep container closed.
Incompatible products:	Keep away from strong oxidizing agents, strong Lewis or mineral acids.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local exhaust ventilation if the potential for airborne exposure exists.
Respiratory protection:	Use a NIOSH approved respirator if ventilation is inadequate.
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact.
Eye/face protection:	Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid

Color:	Black
Odor:	Ammoniacal
Vapor pressure:	Not available
pH:	7 - 8
Boiling point/range:	Approximately 100°C (212°F)
Melting point/range:	0°C (32°F)
Specific gravity:	1.08 at 20 deg. C
Vapor density:	Not available
Evaporation rate:	0.36 (Butyl acetate = 1)
Solubility in water:	Miscible
Partition coefficient (n-octanol/water):	Not determined
VOC content:	VOC content: < 0.35% (calculated)

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions

Hazardous polymerization: None under normal processing.

Hazardous decomposition products: Oxides of carbon.

Incompatability: Keep away from strong oxidizing agents, strong Lewis or mineral acids.

Conditions to avoid: Storage with incompatible materials.

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Not available

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Hexabromocyclododecane 25637-99-4	No	No	No
Carbon black 1333-86-4	No	Group 2B	Yes
Vinyl acetate 108-05-4	No	Group 2B	Yes

Literature Referenced Target Organ / Other Health Effects

Hazardous components	Health Effects/Target Organs
Hexabromocyclododecane 25637-99-4	No data
Carbon black 1333-86-4	Respiratory, Some evidence of carcinogenicity
Vinyl acetate 108-05-4	Central nervous system, Irritant, Mutagen, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Not regulated
Hazard class or division: None

Item No.: / IDH No. 746591

EPAHO103000042

Identification number:	None
Packing group:	None

International Air Transportation (ICAO/IATA):

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

WaterTransportation (IMO/IMDG):

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	None.
CERCLA/SARA Section 302 EHS:	None.
CERCLA/SARA Section 311/312:	None.
CERCLA/SARA 313:	Vinyl Acetate (CAS# 108-05-4).
California Proposition 65:	This product contains a chemical knowr to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status:	Contains one or more components lista l on the Non-Domestic Substances list. All other components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class:	D.2.A

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Ed Waldynski, Regulatory Affairs Spec alist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

EPAHO103000043

QuietFlex MANUFACTURING CO. 2333

2333

EPAHO10300044

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/12/2007**

Dear **Ramond Bindiola**

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 # 2333

Generator: QuietFlex Manufacturing Company
Address: 4518 Brittmoore
Houston, TX 77041

Waste Information

Name of Waste: Waste black ink
TCEQ Waste Code #: 11042101
Container Type:
Detailed Description of Process Generating Waste:
Unused uniblank jet-N-38
Color: black **Odor:** none **pH:** 8.5
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.

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:	Quietflex Manufacturing Company LP		
Address:	4518 Britmoore Road		
City, State, Zip:	Houston, TX 77041		
Contact:	~~Waseem Ahmed~~ Raymond Bindiela	**Title:**	EHS Coordinator
Phone No:	(713) 849-2163	**Fax No:**	(713) 988-1185
24/hr Phone:	(713) 849-2163		
U.S. EPA I.D. No:	N/A		
State I.D.	87631	**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: Waste Black Ink
Detailed Description of Process Generating Waste: Unused Uniblak Jet-N-38

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

Color: Black **Odor:** None

Specific Gravity (water=1): ~~0.1~~ 1-1.2 **Density:** ~~8.9~~ 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): ~~37~~ 34 **Other:** ____

Texas State Waste Code No: 11042 101

Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Black Ink

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
None	8.5	0mg/l	0mg/l	0-5%

Oil&Grease	TOC	Zinc	Copper	Nickel
<1000mg/l	Namg/l	Namg/l	Namg/l	Namg/l

SECTION 4: Physical and Chemical Data

[illegible]	[illegible]	[illegible]
The waste consists of the following materials	Ranges are acceptable	or %
Uniblak Jet N-38	0-100	%
Black NB X34	0-100	%
Black NB X-38 Liquid	0-100	%

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.
MSDS Sheets

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: Raymond J Bindiola Jr **Date:** 9/11/2007

Printed Name/Title: Raymond John Bindiola Jr. / EH&S Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Mangina

Date: 9-12-07 Approved Rejected

Approval Number: 2333

Additional Information: $75/cm

OK

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.

EPAHO103000048

(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.

EPAHO103000049

Unichem

MATERIAL SAFETY DATA SHEET

UNIBLAK JET N-38

Date Issued : 03/25/03

Date Printed : 08/22/07

Manufacturer : **Unichem, Inc.**
8 North Kings Rd.
Greenville, SC 29605

Contact : DENNIS BARNES
(864) 422-0191

Emergency Contact : **CHEMTREC (800) 424-9300**

Hazard Rating :

	H.M.I.S.	N.F.P.A.
HEALTH	1	1
FIRE	0	0
REACTIVITY	0	0
	P.P.E.	SPECIAL
OTHER	B	

4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant
* Chronic Health Hazard

Identification :
Common Name : PIGMENT
Generic Name : CARBON BLACK
Chemical : CARBON
Chemical Family : PIGMENT DISPERSION, TEXTILE

DOT Ship Name : NON-REGULATED

Warning Statement :
CAUTION
MAY CAUSE IRRITATION TO EYES
MAY CAUSE IRRITATION TO SKIN

STIR WELL BEFORE USING

Section I - Ingredients

Components	%
CARBON BLACK	> 3%
WATER	> 3%

Hazardous Ingredients	%	T.L.V. *
CARBON BLACK	25 - 35	3.5 mg/m3

This product complies with all TSCA inventory requirements.

** Reporting required for S.A.R.A. (III) Sec. 313 : (See Sec. VI of this MSDS)*

EPAHO103000050

Section II - Emergency and First Aid Procedures

Emergency :	Call personal or company physician.
Eye Contact :	Holding the lids apart, flush contaminated eye(s) with a gentle stream of water for 15 minutes. If irritation or redness develops and persists, seek immediate medical attention.
Skin Contact :	Remove contaminated clothing and cleanse thoroughly with soap and water. Seek medical attention if irritation, swelling, blistering, or redness develops and persists.
Inhalation :	First aid is not required, normally. However, seek medical advice if any unusual symptoms develop.
Ingestion :	Seek medical advice if swallowed.
Note to Physician :	None determined.

Section III - Physiological Effects and Health Information

Eye Effects :	May cause irritation to eyes.
Skin Effects :	May cause irritation to skin.
Systemic Effects :	None known.

Section IV - Special Protective Information

Respiratory Protection : (Specify Type)	The use of respiratory equipment depends on vapor concentrations above the time-weighted TLV or PEL.
Ventilation :	General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges.
Eye Protection :	Working conditions and safety regimentation dictates eye protection when working with mists, dust or liquids.
Protective Gloves :	The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation and absorption.
Other Protective Equipment :	WEAR SAFETY GLASSES, IMPERVIOUS GLOVES AND APRON.

Section V - Reactive Data

Stability :	Stable None known
Incompatibility : (Materials to Avoid)	None known
Hazardous Decomposition	Various combustion products, including carbon oxides, nitrogen oxides and sulfur oxides.

EPAHO103000051

Hazardous Polymerization :	Will not occur

Section VI - Spill or Leak Procedures

Precautions in Case of Release or Spill :	Flush spilled material into suitable retaining area or containers with water. Small amounts of spilled material may be absorbed into appropriate absorbant. Prevent spilled liquid from entering sewer, storm drains, or other unauthorized treatment/drainage systems and natural waterways.
Waste Disposal :	Dispose of this product in accordance with applicable local, state, and federal regulations. This material is NOT defined as hazardous by the Resource Conservation and Recovery Act. It is the product user's responsibility to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-40)

Section VII - Storage and Special Precautions

Handling and Storing Precautions :	FOLLOW GOOD HOUSEKEEPING RULES .
Other :	In general, the health and safety hazards expected from this product are slight.

Section VIII - Fire and Explosion Hazard Data

Flash Point Range :	Non-Flammable
Extinguisher Media :	Use water, foam, CO2 or dry chemical fire fighting apparatus.
Unusual Fire and Explosion :	Closed containers exposed to heat may rupture due to pressure buildup.
Hazardous Fire Fighting Procedures :	Water may be useful in keeping containers cool.

Section IX - Physical Data

Approximate Boiling Temperature : (F)	212	Percent Volatiles : (+/- 2%)	62
Weight per Gallon :	10	pH :	8.5

Vapor Density :	Same As Water
Evaporation Rate :	Same as water
Specific Gravity :	Heavier than Water
Solubility in Water :	DISPERSIBLE

Appearance and Odor :	BLACK LIQUID, WITH A(N) MILD AMMONIA ODOR.

Section X - Documentary Information

Issue Date :	03/25/03	Print Date :	08/22/07
Prepared By :	Chad Chastain		
Manager :	Dennis Barnes		

Disclaimer : The above information is believed to be correct as of the date hereof. However, no warranty or merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of material, or the hazards connected with such use. Since the information contained herein 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 responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make their own determination as to the suitability of the material for their particular purpose and on the condition that they assume the risk of use thereof.

BASF Corporation

910

Material Safety Data Sheet

(b) (4)

[redacted]

BASACID® Black NB X34 Liquid
NLE 597262

(b) (4)

[redacted]

BASACID® Black NB X34 Liquid
NLE 597262

(b) (4)

[redacted]

(b) (4)

[redacted]

BASACID® Black NB X34 Liquid
NLE 597262

(b) (4)

[redacted]

(b) (4)

[redacted]

710

Material Safety Data Sheet

Original Date: 12/23/1997
Revision Date: 05/30/2001

BASF CORPORATION
PERFORMANCE CHEMICALS
4330 CHESAPEAKE DRIVE
CHARLOTTE, NC 28216
(800) 556-6742

CRC
1800-433 4731
RH-4201

EMERGENCY TELEPHONE: (800) 424-9300 CHEMTREC 334-0153
(800) 832-HELP (BASF Hotline)
BOTH NUMBERS ARE AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.

SECTION 1 - PRODUCT INFORMATION

BASACID® Black NBX38 Liquid

Product ID: NLE 555644
Common Chemical Name:
None
Synonyms:
C.I. Acid Black
Molecular Formula:
Mixture
Chemical Family: Diazo Dyes
Molecular Wt.: NOT APPLICABLE

SECTION 2 - INGREDIENTS

Chemical Name:	CAS	Amount
Water	7732-18-5	> 1.0 %
PEL/TLV NOT ESTABLISHED		
C.I. Acid Black	PROPRIETARY	> 1.0 %
PEL/TLV NOT ESTABLISHED		
N-Butyldiethanolamine	102-79-4	~ 5.0 %
PEL/TLV NOT ESTABLISHED		
Neopentyl glycol	126-30-7	~ 2.0 %
PEL/TLV NOT ESTABLISHED		

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview
Color: Black
Form/Appearance: Liquid
Odor: Characteristic
WARNING STATEMENT:
CAUTION:
CONTACT WITH THE EYES MAY RESULT IN IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN IRRITATION. INHALATION MAY RESULT IN RESPIRATORY IRRITATION. INGESTION MAY RESULT IN GASTRIC DISTURBANCES.
Potential Health Effects
Primary Routes of Exposure:

SECTION 3 - HAZARDS IDENTIFICATION (cont)

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute Overexposure Effects:

Contact with the eyes may result in irritation. Prolonged or repeated skin contact may result in irritation.
Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.

Chronic Overexposure Effects:

There are no known chronic effects associated with this material.

First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects observed in animals.

SECTION 4 - FIRST AID MEASURES

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

First Aid Procedures - Eyes:

Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

First Aid Procedures - Ingestion:

If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Notes to Physicians:

None known.

First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects observed in animals.

First Aid Procedures - Special Precautions:

None

Other First Aid Procedures:

No other first aid needed.

SECTION 5 - FIRE FIGHTING MEASURES

	Typical	Low/High	Deg.	Method
Flash Point:	NOT AVAILABLE			
Autoignition:	NOT AVAILABLE			

Extinguishing Media:

SECTION 5 - FIRE FIGHTING MEASURES (cont)

Use CO2 or dry chemical extinguishing media.

Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:

There are no known unusual fire or explosion hazards.

Additional Fire and Explosion Data:

None known.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General:

Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA ("Superfund"). Wear appropriate respiratory protection and protective clothing and provide adequate ventilation during clean-up.

Other Spill/Leak Procedures:

No other spill procedures necessary.

SECTION 7 - STORAGE AND HANDLING

General:

Protect from freezing.

Other Storage and Handling Data:

No other specific storage requirements.

SECTION 8 - PERSONAL PROTECTION

Clothing:

Gloves, coveralls, apron, boots as necessary to prevent skin contact.

Eyes:

Chemical Goggles

Respiration:

If vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor/mist respirator or an air-supplied respirator as appropriate.

Ventilation:

Use local exhaust to control vapors/mists.

Explosion Proofing:

None required.

Other Personal Protection Data:

Eyewash fountains and safety showers must be easily accessible.

SECTION 9 - PHYSICAL PROPERTIES

Color:	Black					
Form/Appearance:	Liquid					
Odor:	Characteristic					
Odor Intensity:	Mild					
	Typical	Low/High	U.O.M.			
Specific Gravity:	~ 1.13			@	20	DEG C
Viscosity:	11		SECONDS	@	20	DEG.
pH:		7 - 8	UNITS			

SECTION 9 - PHYSICAL PROPERTIES (cont)

	Typical	Low/High	Deg.	@	Pressure
Boiling Pt:	102		C	1	ATMOSPHERES
Freezing Pt:	-5		C	1	ATMOSPHERES

Decomp. Tmp: NOT AVAILABLE

Solubility in Water Description: Miscible

SECTION 10 - STABILITY AND REACTIVITY

Stability Data:

Stable

Incompatability:

None known.

Conditions/Hazards to Avoid:

None known.

Hazardous Decomposition/Polymerization:

Hazardous decomposition products: None known.

Polymerization: Does not occur.

Corrosive Properties:

Not corrosive.

Oxidizer Properties:

Not an oxidizer

Other Reactivity Data:

None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

No applicable data for this section.

SECTION 12 - ECOLOGICAL INFORMATION

No applicable data for this section.

SECTION 13 - DISPOSAL CONSIDERATION

Waste Disposal:

Incinerate or bury as a solid in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Container Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

SECTION 14 - TRANSPORTATION INFORMATION

DOT Proper Shipping Name:

N/A

DOT Technical Name:

N/A

DOT Primary Hazard Class:

N/A

DOT Secondary Hazard Class:

N/A

DOT Label Required:

N/A

SECTION 14 - TRANSPORTATION INFORMATION (cont)

DOT Placard Required:
N/A
DOT Poison Constituent:
N/A
BASF Commodity Codes: UN/NA Code: E/R Guide:
Bill of Lading Description:
NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory Status
Listed on Inventory: YES

RCRA Haz. Waste No.: NONE
CERCLA: NO Reportable Qty.: (If YES)
State Regulatory Information: (By Component) NJ/PA/MA RTK
CAS: YES
NAME: C.I. Acid Black
NJ TSR# 489909-5184-P-CH
CAS: 102-79-4 YES
NAME: N-Butyldiethanolamine
CAS: 126-30-7 YES
NAME: Neopentyl glycol
CAS: 7732-18-5 YES
NAME: Water
SARA Title III Section 313: Not listed.

SECTION 16 - OTHER INFORMATION

Hazard Ratings:
BASF currently uses the National Paint & Coating Association (NPCA) rating system. The use of an asterisk (*) in the HMIS rating indicates the potential for chronic health effects.

	Health:	Fire:	Reactivity:	Special:
HMIS	1*	1	0	NA

This product is not hazardous according to the OSHA Hazard Communication Standard.

"IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR

SECTION 16 - OTHER INFORMATION (cont)

TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY [illegible] ARE GIVEN GRATIS AND [illegible] NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK".

END OF DATA SHEET