REDACTED VERSION

Smithfield Bioenergy, L4935
Prof # 1935

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EPAHO111000001

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/27/2006**

Dear **Mark Farrer**

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 # 1935

Generator: Smithfield BioEnergy, LLC
Address: 3102 Windmill Road
Cleburne, TX 76033

Waste Information

Name of Waste: Crude glycerine
TCEQ Waste Code #: CESQ2191
Container Type:
Detailed Description of Process Generating Waste:
Biodiesel production - coproduct
Color: medium to dark amber **Odor:** slight alcohol **pH:** 9-12
Physical State:
Incompatibilities: none known
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**

#1935

SECTION 1: Generator Information

Company:	Smithfield BioEnergy, LLC		
Address:	3102 Windmill Road		
City, State, Zip:	Cleburne, TX 76033		
Contact:	Mark Farrer	**Title:**	General Manager
Phone No:	817-558-9255	**Fax No:**	817-558-9290
24/hr Phone:	817-676-7636		
U.S. EPA I.D. No:	TXCES66		
State I.D.	CES66	**SIC Code:**	~~2680~~ 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: Crude Glycerine
Detailed Description of Process Generating Waste: Biodiesel Production - CoProduct

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

Color: medium to dark amber ~~liquid~~ **Odor:** slight alcohol

Specific Gravity (water=1): 1.0 - 1.1 **Density:** 8.3 - 9 lbs/gal

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

Container Type: ☐ **Drum** ☐ **Tote** ☒ **Truck** ☐ **Other (explain)**
Container Size: ____ ____ 5000 gal ____

Frequency: ☒ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☐ **Yearly**
Number of Units (containers): 2 **Other:** ____
Texas State Waste Code No: CESQ 2191
Proper U.S. DOT Shipping Name: Combustible, n.o.s. (glycerine, methanol)
Class: 3 **UN/NA:** 1993 **PG:** III **RQ:** 5000 (meth.)

Flash Point N/A	**pH** 9 - 12	**Reactive Sulfides** <20 mg/l	**Reactive Cyanides** 0 mg/l	**Solids** <2 %
Oil&Grease ~~< 5000 mg/l~~	**TOC** ~~unknown~~ >1500 mg/l	**Zinc** ~~<0~~ mg/l	**Copper** ~~unknown~~ 0 mg/l	**Nickel** ~~unknown~~ 0 mg/l

>1500

EPAHO111000003

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	0 - 25	%
Glycerine	70 - 85	%
Methanol	2 - 24	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
~~combustible~~ 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.
~~MSDS~~ 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/P~~ X
TCLP Volatiles: ~~N/P~~ X
TCLP Semi-Volatiles: ~~N/P~~ X
Reactivity: ~~N/P~~ X
Corrosivity: ~~N/P~~ X
Ignitability: ~~N/A~~ 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: Mark Farrer **Date:** 11/9/2006

Printed Name/Title: Mark D. Farrer / General Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Richard Thompson Additional Information:

Date: 11-27-06 (Approved) Rejected OL

Approval Number: 1935

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

EPAHO111000005

(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.

EPAHO111000006

Enterprise Products Operating
Prof # 1936

EPAHO11100007

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/27/2006**

Dear **Wesley Heetner**

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 # 1936

Generator: Enterprise Products Operating-Big Thicket Plant
Address: 5200 Hess Lane
Vidor, TX 77662

Waste Information

Name of Waste: Empty containers
TCEQ Waste Code #: Recycle
Container Type: 5 gal
Detailed Description of Process Generating Waste:
Empty product drums
Color: various **Odor:** none **pH:** neutral
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1936

SECTION 1: Generator Information

Company:	Enterprise Products Operating (Big Thicket-Vidor)		
Address:	5200 Hess Lane		
City, State, Zip:	Vidor, TX 77662		
Contact:	John Clark	**Title:**	Manager
Phone No:	713-824-9908	**Fax No:**	
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	~~CESQG~~ TX0000032920		
State I.D.	~~CESQG~~ 81267	**SIC Code:**	N/A

SECTION 2: Billing Information – ☐ Same as Above

Company:	Enterprise Products Operating		
Address:	P.O. Box 4324		
City, State, Zip:	Houston, TX 77210		
Contact:	~~Jennifer Mollhagen~~ Wesley Heefner	**Title:**	Field Environmental ~~Manager~~ Engineer
Phone No:	713-880-~~6569~~ 2296	**Fax No:**	713-803-~~4048~~ ~~2246~~ 4048

SECTION 3: General Description of the Waste

Name of Waste: Empty Containers
Detailed Description of Process Generating Waste: Empty Product Drums

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

Color: various **Odor:** none

Specific Gravity (water=1): 1.1 **Density:** 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☒ Drum	☐ Tote	☐ Truck	☒ Other (explain)
Container Size:	55 gal	_____	_____	5 gallon

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 20 **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** 100%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000009

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty 5 gallon buckets	50-80	%
Empty metal Drums	25-50	%
Empty Poly Drums	25-50	%

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.
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: Wesley E Hektner **Date:** 11/22/06

Printed Name/Title: Wesley Hektner / Field Environmental Engineer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert A Meyer

Date: 11-22-06 Approved Rejected

Approval Number: 1936

Additional Information: REC

EPAHO111000010

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-1936**

Customer: **Enterprise Products Operating-Big Thicket Plant**

Waste Generator: **Enterprise Products Operating-Big Thicket Plant**

Waste Stream Name: **Empty containers**

Expiration Date: **11/22/2008**

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.

☐ 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

Wesley Heefner
Customer Name

Wesley E Degner
Signature

Enterprise Prod. Op.
Company / Title Sr. Env. Engr.

12/11/08
Date

Enterprise Products Operating 1937
Prof # 1937

EPAHO11100012

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/27/2006**

Dear **Wesley Heetner**

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 # 1937

Generator: Enterprise Products Operating-Big Thicket Plant
Address: 5200 Hess Lane
Vidor, TX 77662

Waste Information

Name of Waste: Used oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Oil from combustion engines and unused motor oil, includes rain water
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

#1937

SECTION 1: ~~Generator~~ Information

Company:	Enterprise Products Operating (Big Thicket-Vidor)		
Address:	5200 Hess Lane		
City, State, Zip:	Vidor, TX 77662		
Contact:	John Clark	**Title:**	Manager
Phone No:	713-824-9908	**Fax No:**	
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	~~CESQG~~ TX0000032920		
State I.D.	~~CESQG~~ 81267	**SIC Code:**	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Enterprise Products Operating		
Address:	P.O. Box 4324		
City, State, Zip:	Houston, TX 77210		
Contact:	~~Jennifer Mollhagen~~ Wesley Heefner	**Title:**	Field Environmental ~~Manager~~ Engineer
Phone No:	713-880-~~6569~~ 2296	**Fax No:**	713-803-4048

SECTION 3: General Description of the Waste

Name of Waste: Used Oil
Detailed Description of Process Generating Waste: Oil from combustion engines and unused motor oil, includes rain water

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

Color: brown **Odor:** oil like

Specific Gravity (water=1): .85 **Density:** 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type:	☐	**Drum**	☐	**Tote**	☒	**Truck**	☐ **Other (explain)**
Container Size:		____		____		1000 g	____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: NA-Recyclable Material
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >140	**pH** neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** <5%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000014

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Combustion engine oil	5-10	%
Unused Motor Oil	10-15	%
Rain Water	80-90	%
Dirt	2-5	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 11/22/06

Printed Name/Title: Wesley Heefner / Field Environmental Engineer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-22-06 Approved Rejected REC

Approval Number: 1937

Enterprise Products Operating LP

CES Environmental Services, Inc.

Sample Evaluation Form

Sample ID # 00069 **Date** 11/17/06

Please Complete This Section

Generator / Customer Name :	Enterprise Vidor
Name or Type of Waste :	Oily Water.
Process Generating Waste :	Rain water in Residue Drums + Unused oil product
Number of Samples :	1 **Submitted By :** AR
Analysis To Be Completed :	Chlor-D-Tect
Turnaround Time :	STD.
Other :	

(Lab Use Only)

Sample Results : PASSED CHLOR-D-TECT

Suggested Method of Treatment : —

Suggested Price Range : —

Sample Results Reported to GB

Test Completed By : AC **Date :** 11/20/06 **Time:** 10:00 AM

White - CES Salesperson Copy Pink - Processing Facility Copy

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-1937**

wesley Heefner

Customer: **Enterprise Products Operating-Big Thicket Plant**

Waste Generator: **Enterprise Products Operating-Big Thicket Plant**

Waste Stream Name: **Used oil**

Expiration Date: **11/22/2008**

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.

☐ 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

Wesley Heefner
Customer Name

Wesley Heefner
Signature

ENTERPRISE Prod. Op.
Company / Title Sr. Env. Engr.

12/11/08
Date

✓

CK G Services 1938
Prof # 1938

EPAHO11100018

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/28/2006**

Dear **Traci**

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 # 1938

Generator: CKG Services
Address: 815 North Vista Drive
Houston, TX 77073

Waste Information

Name of Waste: Recyclable used oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Used oils from lift equipment and unused diesel
Color: black to red **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

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

1938

SECTION 1: Generator Information

Company:	CKG Services		
Address:	1300 S Frazier		
City, State, Zip:	Conroe, TX 77316		
Contact:	Zac McHaughn	**Title:**	President
Phone No:	936-447-3628	**Fax No:**	936-588-0386
24/hr Phone:	281-541-4829		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	N/A

SECTION 2: Billing Information – ☒ Same as Above

Company:	CKG Services		
Address:	10707 Honea Egypt Rd		
City, State, Zip:	Montgomery, TX 77316		
Contact:	Traci	**Title:**	
Phone No:	936-447-3628	**Fax No:**	936-588-0386

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Used Oil
Detailed Description of Process Generating Waste: Used oils from lift equipmentand unused Deisel

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

Color: Black to Red **Odor:** Hydrocarbon

Specific Gravity (water=1): .8 **Density:** 7.5 lbs/gal

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

Container Type: ☒ **Drum** ☒ **Tote** ☐ **Truck** ☒ **Other (explain)**
Container Size: 55 G 300 ____ ____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1-20 **Other:** ____
Texas State Waste Code No: Recyclable
Proper U.S. DOT Shipping Name: Recyclable Used Oil
Class: Na **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>160	Na	0 mg/l	0mg/l	0-3%

Oil&Grease	TOC	Zinc	Copper	Nickel
>200000mg/l	Namg/l	0mg/l	0mg/l	0mg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Used oil	0-100	%
Diesel	0-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None. 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.
Chlor-D Tect

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: N/A **Date:** 11/28/06

Printed Name/Title: Zac Mchaughn

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CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: _____

Date: 11-28-06 Approved Rejected _____

Approval Number: 1938 _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

EPAHO111000021

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.

EPAHO111000022

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.

EPAHO111000023

1939 Tormont Process Systems
Prof # 1939

EPAHO11100024

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/30/2006**

Dear **Nelson James**

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 # 1939

Generator: Toromont Process Systems
Address: 10815 Telge Rd
Houston, TX 77095

Waste Information

Name of Waste: Flourescent light bulbs
TCEQ Waste Code #: Univ.
Container Type: box
Detailed Description of Process Generating Waste:
Expired flourescent light bulbs
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

D.B.

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

1939

SECTION 1: Generator Information

Company:	Toromont Process Systems		
Address:	10815 Telge Rd		
City, State, Zip:	Houston, TX 77095		
Contact:	Bob Moreno	**Title:**	Maintenance
Phone No:	281-345-5056	**Fax No:**	281-345-7434
24/hr Phone:	281-345-5056		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Flourescent Light Bulbs
Detailed Description of Process Generating Waste: Expired Flourescent Light Bulbs

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

Color: Varies **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: Box

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1 **Other:**
Texas State Waste Code No: Universal Waste
Proper U.S. DOT Shipping Name: Environmentally Hazardous Substances, solid (Flourescent Bulbs)
Class: 9 **UN/NA:** ~~9~~ UN3077 **PG:** ~~9~~ III **RQ:** ~~9~~ NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
Na	Na	>5mg/l	>5mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
Namg/l	Namg/l	Namg/l	Namg/l	Namg/l

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EPAHO111000026

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Flourenscent Light Bulbs	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None, 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

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SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

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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: Bob Marino Date: 11/27/06

Printed Name/Title: Bob Marino/ Maintenance Bob MARINO

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CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robhan Thayer Additional Information:

Date: 11-29-06 Approved Rejected UNIV- Rec

Approval Number: 1939

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.

EPAHO111000028

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.

EPAHO111000029

Momentum Jaguar 1940
Prof # 1940

EPAHO111000030

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/28/2006**

Dear **Ken White**

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 # 1940

Generator: Momentum Jaguar
Address: 10150 SW Freeway
Houston, TX

Waste Information

Name of Waste: Fuel tank (automotive)
TCEQ Waste Code #: n/a-Rec
Container Type: Pallet
Detailed Description of Process Generating Waste:
Fuel tank (automotive)
Color: clear **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

MB
#1940

SECTION 1: Generator Information

Company: Momentum Jaguar
Address: 10150 SW Freeway
City, State, Zip: Houston Tx. 77074
Contact: Steve Graham Title: Service Mgr.
Phone No: 713-539-3312 Fax No:
24/hr Phone:
U.S. EPA I.D. No:
State I.D. SIC Code: 5511

SECTION 2: Billing Information – ☐ Same as Above

Company: Select Environmental
Address: 223 McCarty Dr.
City, State, Zip: Houston Tx. 77029
Contact: Kevin White Title: Sales
Phone No: 281-960-3967 Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Fuel Tank (Automotive)
Detailed Description of Process Generating Waste: Fuel Tank (Automotive)

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

Color: Clear Odor: None

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

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Fuel Tank (pallets)
Container Size: Pallet

Frequency: ☐ Weekly ☒ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 75-80 Other:
Texas State Waste Code No: N/A - Recycle
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	0 mg/l	0 mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	NA mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO111000032

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Automotive Fuel Tank (Plastic)	100%	

SECTION 5: Safety Related Data

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

—— Standard

SECTION 6: Attached Supporting Documents

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

—— None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

—— None

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 11-27-06

Printed Name/Title: Steve Gohen

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Ramada

Date: 11-28-06 Approved Rejected

Approval Number: 1940

Additional Information: REC

Shread and recycle

EPAHO111000033

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

EPAHO111000034

(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.

EPAHO111000035

Claudia Martinez

From: PSMITH@UP.COM
Sent: Thursday, October 05, 2006 9:21 AM
To: cmartinez@cesenvironmental.com
Subject: RE: email address

Claudia, can you check the fax number again. I am not getting through on it. Thanks.

Patty Smith
Sr. Business Manager-BulkTainer
Union Pacific Railroad
1400 Douglas Street, MS 1430
Omaha, NE 68179
Direct Phone: 402-544-2403
Cell: 402-210-3960
Fax: 800-877-5023
psmith@up.com

"Claudia Martinez" <cmartinez@cesenvironmental.com>

10/04/2006 04:15 PM
Please respond to cmartinez

To: <psmith@up.com>
cc: <mmoser@cesenvironmental.com>, <tankwash@cesenvironmental.com>
Subject: RE: email address

Patty as discussed please email Marlin Moser, the tank wash facility and I on any tanks which will be arriving for cleaning ..... Fax the msds to 713-676-1676 to my attention and once the first tank arrives we will start the cleaning process and email you or fax you a cleaning certificate.

Looking forward in doing business with you,
Claudia Martinez
CES Environmental Services, Inc.
713-292-3458

Kinder Morgan 1941
Prof# 1941

EPAHO11100037

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/30/2006**

Dear **Lance Wiley**

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 # 1941

Generator: Kinder Morgan (Pasadena Facility)
Address: 530 Witter St.
Pasadena, TX 77506

Waste Information

Name of Waste: Empty plastic and metal drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
RCRA empty plastic and metal drums
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#19411

SECTION 1: Generator Information

Company:	Kinder Morgan (Pasadena Facility)		
Address:	530 witter street		
City, State, Zip:	Pasadena, Texas, 77506		
Contact:	Lance Wiley	**Title:**	
Phone No:	713-724-4912	**Fax No:**	713-472-7660
24/hr Phone:			
U.S. EPA I.D. No:	TXD070137161		
State I.D.	30772	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: EMPTY PLASTIC AND METAL DRUMS
Detailed Description of Process Generating Waste: RCRA empty plastic and metal drums

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

Color: varies **Odor:** None

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

Layers: ☐ Single-phase ☐ Multi-phase

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

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 50 **Other:**
Texas State Waste Code No: Recycle
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
>150	NA	0 mg/l	0 mg/l	100 %
Oil&Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500 mg/l	>1500 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO111000039

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty metal drums	0-100	%
Empty Plastic drums	0-100	%

SECTION 5: Safety Related Data

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

Standard

SECTION 6: Attached Supporting Documents

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

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following 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: not required **Date:** 11-29-06

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robin Rhyne Date: 11-29-06 (Approved) Rejected Approval Number: 1941	REC

EPAHO111000040

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

EPAHO111000041

(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.

EPAHO111000042

Economy Polymers 1942
Prof # 1942

EPAHO11100043

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/30/2006**

Dear **Zac or Dave**

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

CES Profile # 1942

Generator: Economy Polymers
Address: 435 E Anderson
Houston, TX 77047

Waste Information

Name of Waste: Mineral oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Unused material
Color: clear **Odor:** none **pH:** na
Physical State:
Incompatibilities: na
Safety Related Data/Special Handling:
na

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

FAXED 11-9-00

FAXED 11-10-00

1942

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: Economy Polymers
Address: 435 E. Anderson
City, State, Zip: Houston, TX 77017
Contact: Manny Chowdhry Title:
Phone No: 713-763-8411 Fax No:
24/hr Phone:
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CYG Services
Address: 10707 Honea Egypt
City, State, Zip: Montgomery, TX 77316
Contact: Tracy Fisher Title: Office mgr.
Phone No: 936-483-3602 Fax No: 936-463-3674

SECTION 3: General Description of the Waste

Name of Waste: Mineral Oil
Detailed Description of Process Generating Waste: Unused material

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

Color: Clear Odor: None

Specific Gravity (water=1): .855 Density: 7 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): 5-10 Other:
Texas State Waste Code No: Recyclable
Proper U.S. DOT Shipping Name: Not regulated Recyclable Oil
Class: NA UN/NA: NA PG: NA RQ: NA

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

EPAHO111000045

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Mineral Oil	~~90~~ 100%	

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
N/A

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 11/14/06

Printed Name/Title: Lee McLaughlin

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-29-06 Approved Rejected REC

Approval Number: 1942

EPAHO111000046

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

EPAHO111000047

(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.

EPAHO111000048

MSDS MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION
MINERAL OIL

PRODUCT CODE: HH-MINERAL OIL, REFERENCE #: 77601
PRODUCT NAME: MINERAL OIL CHEMICAL FAMILY: Compound

MANUFACTURER NAME AND ADDRESS:		TELEPHONE NUMBERS:	DATES:
Farnam Companies, Inc.	24 hour emergency number	(602)285-1660	Date Created: 10/04/1994
301 West Osborn Road	Business hours	(602)285-1660	Revision: 04/25/2001
Phoenix, AZ. 85013	Marketing	(602)285-1660	Printed: 01/12/2005

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS
MINERAL OIL

HAZARDOUS COMPONENTS (CHEMICAL NAME)	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENTAGE	RTECS #
1. MINERAL OIL USP	8042-47-5				90.0 -100.0 %	PY8047000

SECTION 3. HAZARDS IDENTIFICATION
MINERAL OIL

EMERGENCY OVERVIEW

ROUTE(S) OF ENTRY: Inhalation? No , Skin? No , Eyes? No , Ingestion? Yes
POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)
Under Manufacturing Conditions: On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrage, and may be fatal. Signs of lung involvement include increased respiration rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting, with a further risk of aspiration.
CARCINOGENITICY: NTP? No , IARC Monographs? No , OSHA Regulated? No
CARCINOGENICITY/OTHER INFORMATION

SIGNS AND SYMPTOMS OF EXPOSURE
May cause slight eye irritation
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
none known

EPAHO111000049

SECTION 4. FIRST AID MEASURES
MINERAL OIL

EMERGENCY AND FIRST AID PROCEDURES
IF INGESTED: Do NOT induce vomiting because of aspiration hazard. If victim is conscious, give 1 to 3 glasses of water or milk and contact physician or Poison Control Center. May act as laxative.
IF INHALED: Remove to fresh air. Administer respiration if indicated. If unconscious, seek medical attention.
IF IN EYES: Immediately flush with large amounts of water and continue flushing for 15 minutes. If material is hot, treat for thermal burns and take patient to hospital immediately.
IF ON SKIN: Remove contaminted clothing. If material is hot, submerge injured area in cold water. If patient is severely burned, remove to a hospital immediately.
NOTE TO PHYSICIAN

SECTION 5. FIRE FIGHTING MEASURES
MINERAL OIL

FLASH PT: 400.00 F METHOD USED: TCC
EXPLOSIVE LIMITS: LEL: NE UEL: NE
AUTOIGNITION PT: N.A. EXTINGUISHING MEDIA
dry chemical, foam, water spray, or carbon dioxide
FIRE FIGHTING INSTRUCTIONS
Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, expecially if sprayed into containers of hot, burning liquid. Water runoff can cause environmental damage. Dike and collect water used to fight fire.
FLAMMABLE PROPERTIES AND HAZARDS
Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.
HAZARDOUS COMBUSTION PRODUCTS

SECTION 6. ACCIDENTAL RELEASE MEASURES
MINERAL OIL

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Contain spill immediately. Do not allow spill to enter sewers or watercourses. Remove all sources of ignition. Absorb with appropriate inert material such as sand, clay, etc.. Large spills may be picked up using vacumn pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

SECTION 7. HANDLING AND STORAGE
MINERAL OIL

HAZARD LABEL INFORMATION:
Avoid exposure to excessive heat Keep container tightly closed
PRECAUTIONS TO BE TAKEN IN HANDLING
Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials. Flammable and combustible liquids.
PRECAUTIONS TO BE TAKEN IN STORING

OTHER PRECAUTIONS
KEEP OUT OF REACH OF CHILDREN

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
MINERAL OIL

EPAHO111000050

RESPIRATORY EQUIPMENT (SPECIFY TYPE)
none under normal use, NIOSH cert. OVR w/dust & mist filter
EYE PROTECTION
Chemical goggles
PROTECTIVE GLOVES
Impervious gloves
OTHER PROTECTIVE CLOTHING
Clothes to prevent skin contact
ENGINEERING CONTROLS (VENTILATION ETC.)
Local Exhaust: sufficient
Special:
Mechanical (Gen):
Other:
WORK/HYGIENIC/MAINTENANCE PRACTICES
Wash hands before eating, smoking or using restroom.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
MINERAL OIL

PHYSICAL STATES:	[ ] Gas , [X] Liquid , [ ] Solid
BOILING POINT:	740.00 F
MELTING POINT:	N.A.
SPECIFIC GRAVITY (WATER = 1):	0.855 at 77.0 F
VAPOR PRESSURE (VS. AIR OR MM HG):	
VAPOR DENSITY (VS. AIR = 1):	> AIR
EVAPORATION RATE (VS BUTYL ACETATE=1):	
SOLUBILITY IN WATER:	
OTHER SOLUBILITY NOTES:	Negligible
PERCENT VOLATILE:	N.A.
PH:	

APPEARANCE AND ODOR
Clear,light colored liquid

SECTION 10. STABILITY AND REACTIVITY
MINERAL OIL

STABILITY: Unstable [ ] Stable [X]
CONDITIONS TO AVOID - INSTABILITY
none known
INCOMPATIBILITY - MATERIALS TO AVOID
strong oxidizing agents
HAZARDOUS DECOMPOSITION OR BYPRODUCTS
In fire conditions, CO, CO2, and reactive hydrocarbons may be produced.
HAZARDOUS POLYMERIZATION: Will occur [ ] Will not occur [X]
CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION
will not occur

SECTION 11. TOXICOLOGICAL INFORMATION
MINERAL OIL

SECTION 12. ECOLOGICAL INFORMATION
MINERAL OIL

EPAHO111000051

SECTION 13. DISPOSAL CONSIDERATIONS
MINERAL OIL

WASTE DISPOSAL METHOD
Dispose of in accordance with local, State and Federal regulations.

SECTION 14. TRANSPORT INFORMATION
MINERAL OIL

DOT PROPER SHIPPING NAME

DOT HAZARD LABEL: None
UN/NA NUMBER:
ADDITIONAL TRANSPORT INFORMATION

SECTION 15. REGULATORY INFORMATION
MINERAL OIL

SECTION 16. OTHER INFORMATION
MINERAL OIL

NFPA HAZARD RATINGS:			Minimal: 0
Health:	0	1	Slight: 1
Flammability:	1	0 0	Moderate: 2
Instability:	0		Serious: 3
Special Hazard:			Extreme: 4

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

EPAHO111000052

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-1942**

Customer: **Economy Polymers**

Waste Generator: **Economy Polymers**

Waste Stream Name: **Mineral oil**

Expiration Date: **11/29/2008**

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.

CHG Services, LLC.
Customer Name

Signature

President
Company / Title

12/17/08
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

✓

* MSDS attached to original profile

1943 Enterprise Prod - Big
Prof # 1943

EPAHO11100054

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date 11/30/2006

Dear **John Clark**

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 # 1943

Generator: Enterprise Products Operating-Big Thicket Plant
Address: 5200 Hess Lane
Vidor, TX 77662

Waste Information

Name of Waste: Charcoal carbon
TCEQ Waste Code #: CESQ3191
Container Type:
Detailed Description of Process Generating Waste:
Unused charcoal carbon
Color: black **Odor:** none **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.

#1943

CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company:	Enterprise Products Operating (Big Thicket-Vidor)		
Address:	5200 Hess Lane		
City, State, Zip:	Vidor, TX		
Contact:	John Clark	**Title:**	Manager
Phone No:	713-824-9908	**Fax No:**	
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	~~TX0000032920~~ TX(CESQG)		
State I.D.	~~81267~~ CESQG	**SIC Code:**	N/A

SECTION 2: Billing Information – ☐ Same as Above

Company:	Enterprise Products Operating		
Address:	P.O. Box 4324		
City, State, Zip:	Houston, TX 77210		
Contact:	Wesley Heefner	**Title:**	Field Environmental Engineer
Phone No:	713-803-2296	**Fax No:**	713-803-4048

SECTION 3: General Description of the Waste

Name of Waste: Charcoal Carbon
Detailed Description of Process Generating Waste: Unused charcoal carbon

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

Color: black **Odor:** none

Specific Gravity (water=1): 1.1 **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): 2 **Other:** ____
Texas State Waste Code No: CESQ3191
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
>140	neutral	0mg/l	0mg/l	100%

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

EPAHO111000056

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Charcoal Carbon	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):
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: Wesley E Heefner **Date:** 11/22/06

Printed Name/Title: Wesley Heefner / Field Environmental Engineer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Thayer

Date: 11-22-06 Approved Rejected

Approval Number: 1943

Additional Information: _____ OS _____

EPAHO111000057

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-1943**

Customer: **Enterprise Products Operating-Big Thicket Plant**

Waste Generator: **Enterprise Products Operating-Big Thicket Plant**

Waste Stream Name: **Charcoal carbon**

Expiration Date: **11/22/2008**

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.

☐ 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

Wesley Heefner
Customer Name

Wesley Heefner
Signature

ENTERPRISE PROD. OP.
Company / Title Sr. ENV. Engr.

12/11/08
Date

1944 Ivy steel and wire
Prof ~~#~~ 1944

EPAHO111000059

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/30/2006**

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 # 1944

Generator: Ivy Steel and Wire @Aldine
Address: 12800 Aldine Westfield
Houston, TX 77039

Waste Information

Name of Waste: TPH contaminated rags
TCEQ Waste Code #: Recycle
Container Type: yd sack
Detailed Description of Process Generating Waste:
Absorbent pads used to clean up oil spills and leaks from underneath equipment
Color: grey **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

1944

SECTION 1: Generator Information

Company:	Ivy Steel & Wire		
Address:	12800 Aldine Westfield		
City, State, Zip:	Houston, TX 77039		
Contact:	Scott Gipson	**Title:**	Plant Manager
Phone No:	281-227-2300	**Fax No:**	
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	CESQG		
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: TPH Contaminated Rags
Detailed Description of Process Generating Waste: Absrobent pads used to clean up oil spills and leaks from underneath equipment

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

Color: Grey **Odor:** oil like

Specific Gravity (water=1): 1.2 **Density:** 12 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: ____ ____ ____ Yd Sack

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	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	neutral	0mg/l	0mg/l	100%

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

Nov 29 06 01:31p Refugio 713-670-9208 p.2

EPAHO111000061

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Clay Absorbents	0-5	%
Rags	80-95	%
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

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 on Clay material from same generating source

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: _____ **Date:** 11/29/06

Printed Name/Title: Scott Gipson Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-30-06 Approved Rejected REC

Approval Number: 1944

Nov 29 06 01:31p Refugio 713-670-9208 p.3

EPAHO111000062

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

Nov 29 06 01:32p Refugio 713-670-9208 p.4

EPAHO111000063

(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.

Nov 29 06 01:32p Refugio 713-670-9208 p.5

EPAHO111000064

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6110032
Client Sample ID: TPH Absorbent
Extended ID: Ivy Steel - Aldine Westfield

Sample Collect Date: 11/1/2006 @ 11:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 11/1/2006 @ 1:45:00 PM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	11/7/2006 / 1:52 AM
Barium	0.0005	100	**0.928**	mg/L	11/7/2006 / 1:52 AM
Cadmium	0.002	1	**0.002**	mg/L	11/7/2006 / 1:52 AM
Chromium	0.002	5	**0.032**	mg/L	11/7/2006 / 1:52 AM
Lead	0.005	5	**0.019**	mg/L	11/7/2006 / 1:52 AM
Selenium	0.024	1	**0.052**	mg/L	11/7/2006 / 1:52 AM
Silver	0.002	5	< 0.002	mg/L	11/7/2006 / 1:52 AM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	11/6/2006 / 10:16 PM

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

Holland D. Gilmore, Laboratory Director

Wednesday, November 08, 2006
Date

6110032

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: _____
Holland D. Gilmore / Laboratory Director

November 8, 2006

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 ENV

COMPANY ADDRESS:

CITY _____ STATE _____ ZIP _____

CONTACT PERSON'S NAME: Gary Brauchman

CONTACT PERSON'S PHONE: 713-417-5737 FAX #:

2

YOUR PROJECT NO.: Ivy Steel - Aldine Villgarry | YOUR P.O. #: | YOUR PROJECT NAME: Ivy Steel - Aldine Westfield

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP (8 metals)	NUMBER OF CONTAINERS	PRESERVATIONS	REMARKS
TPH Absorbent	C	11-1-06	11:00 pm	S	✓	✓	None	

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.

Onice

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): a. Gary Brauchman [signature]

RELINQUISHED BY: (Signature) [signature] DATE 11-1-06 TIME 1:45 RECEIVED BY: (Signature) Mandy Dm

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) Mandy Dm | DATE 11/1 | TIME 1345

8

Sample Remainder Disposal

☐ Return Sample Remainder To Client Via _____

☑ I Request Lab To Dispose Of All Sample Remainders

(Signature) _____ (Date) _____

Form # MES - CCR

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

JR/GB

CES Environmental Services, Inc.

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

Waste Profile Re-Certification Form

Jeff Flanigan 281-227-2300

CES Waste Approval #: **HOU-1944**

Customer: **Ivy Steel and Wire @Aldine**

Waste Generator: **Ivy Steel and Wire @Aldine**

Waste Stream Name: **TPH contaminated rags**

Expiration Date: **11/30/2008**

✓

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

MICHAEL REID
Customer Name

Signature

MANAGER
Company / Title

11/20/08
Date

Enterprise Prod – B1945
Prof# 1945

EPAHO11100069

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/30/2006**

Dear **John Clark**

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 # 1945

Generator: Enterprise Products Operating-Big Thicket Plant
Address: 5200 Hess Lane
Vidor, TX 77662

Waste Information

Name of Waste: Spent filters
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Filters for natural gas pipeline. Filters have been cleaned and stored in fresh water for an extended amount of time to remove iron oxide residue. It is not anticipated that the material will be pyrophoric.
Color: grey/white **Odor:** none **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
#1945
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Enterprise Products Operating (Big Thicket-Vidor)		
Address:	5200 Hess Lane		
City, State, Zip:	Vidor, TX		
Contact:	John Clark	**Title:**	Manager
Phone No:	713-824-9908	**Fax No:**	
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TX0000032920 (CESQG)		
State I.D.	81267	**SIC Code:**	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Enterprise Products Operating		
Address:	P.O. Box 4324		
City, State, Zip:	Houston, TX 77210		
Contact:	Wesley Heefner	**Title:**	Field Environmental Engineer
Phone No:	713-803-6569	**Fax No:**	713-803-4048

SECTION 3: General Description of the Waste

Name of Waste: Spent filters
Detailed Description of Process Generating Waste: Filters for natural gas pipeline, filters have been cleaned and stored in fresh water for an extended amount of time to remove iron oxide residue. It is not anticipated that the material will be pyrophoric.

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

Color: Grey/white **Odor:** none

Specific Gravity (water=1): 1.1 **Density:** 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

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

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:**
Texas State Waste Code No: 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** 100%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Cloth Filters	95-100	%
Hydrocarbon as oil	0-1	%
Rain Water	0-5	%
Dirt	1-2	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
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: BTEX
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: Wesley E Heather **Date:** 11/22/06

Printed Name/Title: Wesley Heather/Field ~~Engineer~~ Environmental Engineer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: ____

Date: 11-22-06 Approved Rejected REC

Approval Number: 19115

EPAHO111000072

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6110418

Client Sample ID: Natural Gas Pipeline Filters
Extended ID: Enterprise Vidor

Sample Collect Date: 11/17/2006 @ 10:30:00 AM **Sample Type:** Grab
Sample Receipt Date: 11/17/2006 @ 2:30:00 PM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	11/19/2006 / 11:43 PM
Barium	0.0005	100	**0.121**	mg/L	11/19/2006 / 11:43 PM
Cadmium	0.002	1	**0.006**	mg/L	11/19/2006 / 11:43 PM
Chromium	0.002	5	**0.086**	mg/L	11/19/2006 / 11:43 PM
Lead	0.005	5	< 0.005	mg/L	11/19/2006 / 11:43 PM
Selenium	0.024	1	< 0.024	mg/L	11/19/2006 / 11:43 PM
Silver	0.002	5	< 0.002	mg/L	11/19/2006 / 11:43 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	11/19/2006 / 11:35 PM

BTEX Method: SW-846 8021B	MDL	Result	Units	Analyst: HDG Date / Time
Benzene	0.5	< 0.5	mg/kg	11/19/2006 / 11:57 AM
Toluene	0.5	< 0.5	mg/kg	11/19/2006 / 11:57 AM
Ethyl benzene	0.5	< 0.5	mg/kg	11/19/2006 / 11:57 AM
M+P-Xylene	0.5	< 0.5	mg/kg	11/19/2006 / 11:57 AM
o-Xylene	0.5	< 0.5	mg/kg	11/19/2006 / 11:57 AM

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

Monday, November 20, 2006
Holland D. Gilmore, Laboratory Director **Date**

EPAHO111000073

6110418

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	LOW CCV %REC	CHECK STD	ICS %REC
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	CCV %REC
Benzene		< 0.005	87.6	90.3	3.04	107.6
Toluene		< 0.005	78.6	84.1	6.76	105.2
Ethylbenzene		< 0.005	95.4	100.6	5.31	103.6
m+p Xylene		< 0.005	87.6	92.6	5.55	101.8
o-Xylene		< 0.005	90.8	95.8	5.36	101.4

SURROGATE SPIKE RECOVERY FOR BTEX	% REC
4-Bromofluorobenzene	89.3

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
CCB=Continuing Calibration Blank
Rec=Percent Recovery

Signature: _____

Holland D. Gilmore / Laboratory Director

November 20, 2006

MES - CHAIN OF CUSTODY

1-800-771-4MES
(281) 476-4534
Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
Fax (281)-476-4406

1 COMPANY NAME: (BILL TO:) CES

COMPANY ADDRESS:

CITY _____ STATE _____ ZIP _____

CONTACT PERSON'S NAME: Gary Brauchman

CONTACT PERSON'S PHONE: 713-947-5732 FAX #:

2 YOUR PROJECT NO.: Enterprise Vidor | YOUR P.O. #: GB | YOUR PROJECT NAME: Enterprise Vidor

PROJECT ADDRESS:

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	4 PARAMETERS FOR ANALYSIS: TCLP (8) metals	BTEX	NUMBER OF CONTAINERS	PRESERVATIONS
Natural Gas pipeline Filter	G	11-17-06	10:30	Solid	X	X	1	C

5 REMARKS

TURNAROUND TIME: 5 TD

DETECTION LIMITS SPECIAL LIMITS REQUIRED: Yes No

Please circle one, if Yes, please describe below or include separate sheet detailing requirements.

2.5°C

3

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):
a. Gary Brauchman b.

RELINQUISHED BY: (Signature) | DATE: 11-17-06 | TIME: 2:30 | RECEIVED BY: (Signature) Mandulon

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) Mandulon | DATE 11/17 | TIME 1430

Sample Remainder Disposal

☐ Return Sample Remainder To Client Via _____

☒ Request Lab To Dispose Of All Sample Remainders

(Signature) _____ (Date) 11-17-06

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

PAGE 03
MES
-2814764406
11/20/2006 16:39
EPAHO11100075

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-1945**

Customer: **Enterprise Products Operating-Big Thicket Plant** Wesley Heefner

Waste Generator: **Enterprise Products Operating-Big Thicket Plant**

Waste Stream Name: **Spent filters**

Expiration Date: **11/22/2008**

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.

☐ 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

Wesley Heefner
MA Good pesture
Customer Name

Wesley R Heefner
MA Good pesture
Signature

Enco Operations Supervisor
Company / Title

12-08-08
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 #: **HOU-1945**

Customer: **Enterprise Products Operating-Big Thicket Plant** wesley Hoefner

Waste Generator: **Enterprise Products Operating-Big Thicket Plant**

Waste Stream Name: **Spent filters**

Expiration Date: **11/22/2008**

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.

☐ 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

MA Goodpasture
Customer Name

MA Goodpasture
Signature

Erco Operations Supervisor
Company / Title

12-08-08
Date

Economy Polymers 1946
Prof# 1946

EPAHO11100078

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/30/2006**

Dear **Zac McKaughan or Dave Esman**

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 # 1946

Generator: Economy Polymers
Address: 435 E Anderson
Houston, TX 77047

Waste Information

Name of Waste: Onyxide 200 preservative
TCEQ Waste Code #: CESQ2191
Container Type:
Detailed Description of Process Generating Waste:
Unused out of date material
Color: yellow **Odor:** amine odor **pH:** 10.5
Physical State:
Incompatibilities: oxidizers, acids
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 #1946
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

FAXED 11-14-06

FAXED 11-17-06

SECTION 1: Generator Information

Company: Economy Polymers
Address: 435 E. Anderson
City, State, Zip: Houston, TX 77047
Contact: Manny Chowdarhy Title:
Phone No: 713-723-8416 Fax No:
24/hr Phone:
U.S. EPA I.D. No: NA
State I.D. NA SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: CKG Services
Address: 10207 Hancock Gypt Rd
City, State, Zip: Montgomery TX 77316
Contact: Zoe McKaugh Title: Grant Fax
Phone No: 281-541-4829 Fax No: 936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Onyxide 200 preservative
Detailed Description of Process Generating Waste: Unused out of date material

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

Color: Yellow Odor: Amine Odor *

Specific Gravity (water=1): 1.1166 Density: 9 lbs/gal

Layers: ☑ Single-phase ☐ Multi-phase

Container Type: ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☑ Yearly
Number of Units (containers): 5-10 Other:
Texas State Waste Code No: CESQ2191
Proper U.S. DOT Shipping Name: Not Regulated Waste Onyoxide 200
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
<200	10.5	0 mg/l	0 mg/l	0.2 %

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	NA mg/l	N/A mg/l	N/A mg/l	NA mg/l

EPAHO111000080

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Triazine (anoxide)	~~100~~ 78	%
Water	22	

SECTION 5: Safety Related Data

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

std

SECTION 6: Attached Supporting Documents

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

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

— Oxidizers, 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: ✓
TCLP Volatiles: ✓
TCLP Semi-Volatiles: ✓
Reactivity: ✓
Corrosivity: ✓
Ignitability: ✓

SECTION 9: Generator's Certification

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

Authorized Signature: [signature] **Date:** 11/14/06

Printed Name/Title: Lee McKaughan

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: _____

Date: 11-30-06 Approved Rejected _____ OL _____

Approval Number: 1946

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

EPAHO111000082

(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.

EPAHO111000083

MATERIAL SAFETY DATA SHEET

Stepan

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name	**ONYXIDE 200 PRESERVATIVE**
Manufacturer	Stepan Company 22 West Frontage Road Northfield, IL 60093 USA

Telephone Numbers - 24 Hour Emergency Assistance

Medical	800-228-5635
Chemtrec	800-424-9300
Chemtrec Int'l	703-527-3887

Telephone Numbers - General Assistance

General	(847) 446-7500

Product Class	Triazine
Product Number	3312

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	78.5 %
Water	7732-18-5	21.5 %

3 HAZARDS IDENTIFICATION

Emergency Overview

Clear liquid, Amber color.

Warning!

May cause severe irritation to eyes and skin.

Health Effects: Eyes

Contact can cause moderate to severe irritation and possible injury to the eyes.

Health Effects: Skin

Repeated or prolonged contact may cause severe irritation.Prolonged contact with this product may cause allergic skin sensitization reactions.

Health Effects: Inhalation

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Health Effects: Ingestion

This product may be harmful if it is swallowed.

NOV. 29. 2006 9:26AM STEPAN TECH SERVICE NO. 925 P. 2

EPAHO111000084

4 FIRST AID MEASURES

Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

Skin

For skin contact flush with large amounts of water.If irritation persists, get medical attention.Immediately take off all contaminated clothing.Wash contaminated clothing before reuse.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air.If symptoms persist, get medical attention.If the affected person is not breathing, apply artificial respiration.If breathing is difficult, give oxygen.Seek medical attention.

Ingestion

If the material is swallowed, get immediate medical attention or advice.Do not induce vomiting.

Notes to Physician

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

5 FIRE FIGHTING MEASURES

Flash Point (> 93.9 °C), > 201 F

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment / Instructions

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES

Emergency Action:
Isolate spill or leak area immediately.Keep unauthorized personnel away.Stay upwind.Keep out of low areas.Ventilate closed spaces before entering.

Do not touch or walk through spilled material.Wear appropriate personal protective equipment during cleanup.Small Spills:Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.Large Spills:Dike ahead of liquid spill for later disposal.Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Surfaces may become slippery after spillage.

7 HANDLING & STORAGE

Handling Procedures

Avoid contact with skin and eyes.Wash thoroughly after handling.As with all chemicals, good industrial hygiene practices should be followed when handling this material.

NOV. 29. 2006 9:26AM STEPAN TECH SERVICE NO. 925 P. 3

EPAHQ111000085

Storage Procedures

Avoid freezing or excessive heat. Keep this material in a cool, well-ventilated place.DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Use general ventilation.Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.Use impervious gloves.

Personal Protective Equipment: Respiratory

If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

9 PHYSICAL & CHEMICAL PROPERTIES

Flash Point	(> 93.9 °C), > 201 F
Boiling Point	(100 °C), 212 F
Specific Gravity	(9.568 lb/gal), 1.15 g/ml
Percent Volatile	21.5 % (w/w)
Vapor Density	Estimated lighter than air.
Evaporation Rate	Estimated slower than ethyl ether.
Solubility in Water	Miscible.
RVOC	0 %
pH Value	10.5 as is

Appearance and Odor

Clear liquid, Amber color.

10 STABILITY & REACTIVITY

Chemical Stability

Stable under normal conditions.

Conditions to Avoid

Avoid strong oxidizing agents.

Incompatibility

This product may react with strong acids or oxidizing agents.

NOV. 29. 2006 9:27AM STEPAN TECH SERVICE NO. 925 P. 4

EPAHO111000086

Hazardous Decomposition
At thermal decomposition temperatures carbon monoxide, carbon dioxide, and oxides of nitrogen.

Hazardous Polymerization
Will not occur.

11 TOXICOLOGICAL INFORMATION

LD50 Value
Dermal LD50 (rabbit) = > 2,000 mg/kg
_1,3,5-Triazine-1,3,5(2H,4H,6H)-triet 4719-04-4

Toxicology Data - Selected LD50s and LC50s Oral LD50 Rat: 763 mg/kg

12 ECOLOGICAL INFORMATION

Ecotoxicity
No data available on finished product.

13 DISPOSAL CONSIDERATIONS

Disposal Instructions
CONTAINER DISPOSAL - Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. Offer for recycling if available.PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

14 TRANSPORT INFORMATION

DOT Proper Shipping Name Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

15 REGULATORY INFORMATION

Ingredient Name	CAS Number	Percent
_1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	78.5 %
_Water	7732-18-5	21.5 %

Inventories
All components of this product are listed on the following inventories:U.S.A.(TSCA), Canada(DSL), Europe(EINECS/ELINCS/Polymer/NLP), Japan(ENCS), Australia(AICS), Korea(ECL), Philippines(PICCS)Swiss (SWISS),

There is no calculable reportable quantity (RQ) for this product.

NOV. 29. 2006 9:27AM STEPAN TECH SERVICE NO. 925 P. 5

EPAHO111000087

16 OTHER INFORMATION

Disclaimer

Disclaimer: Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be held liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

HAZARD RATINGS	HMIS	NFPA
Health	2	2
Flammability	1	1
Reactivity	0	0
PPE	X	

Completed On	10/6/2006	**Replaces Sheet Dated**	09/26/2006
Completed By	**Product Safety & Compliance**		

NOV. 29. 2006 9:27AM STEPAN TECH SERVICE NO. 925 P. 6

EPAHO111000088

Invista 1948
Prof# 1948

EPAHO11000089

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/30/2006**

Dear **RoBBY Meriovsky**

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

CES Profile # 1948

Generator: Invista
Address: East Road
Deerpark, TX 77571

Waste Information

Name of Waste: Poly pipeline pigs
TCEQ Waste Code #: 30003111
Container Type: yd bin
Detailed Description of Process Generating Waste:
Pigs used with water and detergent to clean pipeline carrying acetylene
Color: black **Odor:** none **pH:** 7
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
none

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

1948

MB

SECTION 1: Generator Information

Company:	Invista		
Address:	East Road		
City, State, Zip:	Deerpark, Texas 77571		
Contact:	Jim Carroll	Title:	EH&S
Phone No:	713-705-7180	Fax No:	281-385-0786
24/hr Phone:			
U.S. EPA I.D. No:	none		
State I.D.	87588	SIC Code:	none

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston, TX. 77029		
Contact:	Robby Mersiovsky	Title:	Sales
Phone No:	713-882-7740	Fax No:	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: ~~oily water~~ Poly Pipeline pigs
Detailed Description of Process Generating Waste: ~~oily water from transformer containment~~ pigs used with water & detergent to clean pipeline carrying acetylene

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

Color: black 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) ~~roll-off~~ yard bin
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 10 Other: ____
Texas State Waste Code No: 30003111
Proper U.S. DOT Shipping Name: non-RCRA/non DOT Regulated material
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point >140	pH 7	Reactive Sulfides <50 mg/l	Reactive Cyanides <50 mg/l	Solids 100%
Oil&Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

12/01/08 FRI 16:00 FAX 281 383 0786 BUCKEYE GULF COAST P/L 002/003
p.2 28134381 97 SELECT ENVIRONMENTAL

EPAHO111000091

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Poly Pipeline Pig	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.
analytical provided to CES

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Jimmy W. Carroll **Date:** 12-1-06

Printed Name/Title: Jimmy W. CARROLL, Safety & Environmental

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Magna **Additional Information:**

Date: 12-5-06 **Approved** **Rejected** 15

Approval Number: 1948

12/01/06 FRI 16:00 FAX 281 385 0786 BUCKEYE GULF COAST P/L 003/003
SELECT ENVIRONMENTAL 2813438197 p.3
EPAHO111000092

Client: ***Buckeye Pipeline***
HC2 Box 106E
Liberty, TX 77575

Attn: ***Mr. Clay Edmonds***
Phone: (936) 336-5773 Ext. 21; Fax: (936) 336-4150

Report Date: 11/02/06
Sample Matrix: Wastewater
Date Collected: 11/01/06
Time Collected: 12:00am
Collected By: Dale Johnston
Date Received: 11/02/06
Time Received: 9:45am
CHEMTEX FILE #: P6110074A

AIHA *Laboratory # 101478*

nelap *certificate # T104704239-06-TX*

RESULTS OF ANALYSIS

PROJECT: 7723-H

Site/Location: Park St./Chevron

CHEMTEX #	Sample Identification	Parameter	Units	Results	MDL
P6110074A	WW	**RCRA Metals**			
		Total Arsenic	mg/l	< 0.05	0.05
		Total Barium	mg/l	2.19	0.05
		Total Cadmium	mg/l	< 0.05	0.05
		Total Chromium	mg/l	< 0.05	0.05
		Total Lead	mg/l	< 0.05	0.05
		Total Mercury	mg/l	< 0.0002	0.0002
		Total Selenium	mg/l	< 0.05	0.05
		Total Silver	mg/l	< 0.05	0.05
P6110074B	WW	Benzene	mg/l	0.014	0.005
		Toluene	mg/l	0.055	0.005
		Ethylbenzene	mg/l	0.012	0.005
		Xylenes-Total	mg/l	0.026	0.005
P6110074C	WW	T P H C_6-C_{12}	mg/l	85	--
		T P H >C_{12}-C_{28}	mg/l	11	--
		T P H >C_{28}-C_{35}	mg/l	< 5	5
		T P H C_6-C_{35}	mg/l	96	5
P6110074D	WW	Acetylene	mg/l	< 0.050	0.050
Method Blank	DI Water	Total Arsenic	mg/l	< 0.05	0.05
		Total Barium	mg/l	< 0.05	0.05
		Total Cadmium	mg/l	< 0.05	0.05
		Total Chromium	mg/l	< 0.05	0.05
		Total Lead	mg/l	< 0.05	0.05
		Total Mercury	mg/l	< 0.0002	0.0002
		Total Selenium	mg/l	< 0.05	0.05
		Total Silver	mg/l	< 0.05	0.05
		Benzene	mg/l	< 0.005	0.005
		Toluene	mg/l	< 0.005	0.005
		Ethylbenzene	mg/l	< 0.005	0.005
		Xylenes-Total	mg/l	< 0.005	0.005
		T P H C_6-C_{35}	mg/l	< 5	5

MDL: Method Detection Limit.

The analytical results, opinions or interpretations contained in this report are based upon information and material supplied by the client for whose exclusive and confidential use this report has been made. The analytical results, opinions or interpretations expressed represent the best judgment of CHEMTEX. CHEMTEX, however, makes no warranty or representation, express or implied, of any type, and expressly disclaims same. This report shall not be reproduced, in whole or in part, without the written approval of CHEMTEX.

Client: ***Buckeye Pipeline*** Report Date: 11/02/06
HC2 Box 106E
Liberty, TX 77575

Attn: ***Mr. Clay Edmonds***
Phone:(936)336-5773 Ext. 21; Fax:(936)336-4150 CHEMTEX FILE #: P6110074A

AIHA Laboratory # 101478 nelap certificate # T104704239-06-TX

LABORATORY QUALITY ASSURANCE/QUALITY CONTROL DATA

Parameter	Units	True Value	Obtained Value
Total Arsenic	mg/l	0.250	0.248/0.258*
Total Barium	mg/l	1.000	0.963/0.902*
Total Cadmium	mg/l	0.125	0.132/0.128*
Total Chromium	mg/l	0.100	0.109/0.111*
Total Lead	mg/l	0.250	0.264/0.269*
Total Mercury	mg/l	0.0050	0.0046/0.0053*
Total Selenium	mg/l	0.250	0.226/0.232*
Total Silver	mg/l	0.125	0.128/0.117*
T P H	mg/l	150	158

* Duplicate Analysis

SPIKE RECOVERY (%)

Parameter	Matrix Spike	Matrix Spike Duplicate	Laboratory Control Sample	Limits
Benzene	80	91	105	39-150
Toluene	76	95	101	46-148
Ethylbenzene	78	95	101	32-160
Xylenes-Total	75	95	101	32-160

SURROGATE RECOVERY (%)

CHEMTEX #	Sample Identification	4-Bromofluorobenzene
P6110074B	WW	107
Method Blank		93
Matrix Spike		120
Matrix Spike Duplicate		108
Laboratory Control Spike		97

Parameter	Method Reference	Date Analyzed/Analyst
RCRA Metals		
Total Arsenic	EPA Method 200.7	11/02/06 KBR/CS
Total Barium	EPA Method 200.7	11/02/06 KBR/CS
Total Cadmium	EPA Method 200.7	11/02/06 KBR/CS
Total Chromium	EPA Method 200.7	11/02/06 KBR/CS
Total Lead	EPA Method 200.7	11/02/06 KBR/CS
Total Mercury	EPA Method 245.1	11/02/06 KBR/CS
Total Selenium	EPA Method 200.7	11/02/06 KBR/CS
Total Silver	EPA Method 200.7	11/02/06 KBR/CS
B,T,E,X	EPA Method 8021B	11/02/06 PSL/AMR
Acetylene	GC/MS-Scan	11/02/06 KSR/PPS
Total Petroleum Hydrocarbons(TPH)	TNRCC Method 1005 (Rev. 03)	11/02/06 AMR/PSL

Dr. C. N. Reddy, Ph.D, CIH, ASP
Director

kv/amd*/CNR

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SELECT ENVIRONMENTAL 2813438197 p.5

EPAHO111000094

SELECT ENVIRONMENTAL

FACSIMILE COVER SHEET

TO: Matt Bowman FROM: Robby Mersiorsky

COMPANY: CES COMPANY: SEPM

FAX #: 713-676-1676 DATE: 12/01/06

TOTAL # OF PAGES:
(including cover page) 5

TIME OF TRANSMITTAL: _____ A.M. _____ P.M.

COMMENTS: Call me with questions, wants to complete ASAP

Robby

If you do not receive all pages, please call (713) 882-7740. Thank you!

Acty

Hydrochem
Ref # 1949 1949

EPAHO11100096

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/30/2006**

Dear **Larry Phillips**

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 # 1949

Generator: Hydrochem
Address: 620 Howard Street
Houston, TX 77536

Waste Information

Name of Waste: Class 1 rinsewater sludge
TCEQ Waste Code #: 00011141
Container Type:
Detailed Description of Process Generating Waste:
Collected rinsewater from washing equipment
Color: varies **Odor:** none **pH:** 6-8
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

1949 DC

SECTION 1: Generator Information

Company:	Hydrochem Industrial Services		
Address:	620 Howard Drive		
City, State, Zip:	Deer Park, TX 77536		
Contact:	Larry Phillips	**Title:**	Account Manager
Phone No:	281-479-8436	**Fax No:**	281-470-0653
24/hr Phone:			
U.S. EPA I.D. No:	TXD078427796		
State I.D.	31453	**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: Class 1 rinsewater sludge
Detailed Description of Process Generating Waste: Collected rinse water from washing equipment

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

Color: varies **Odor:** none

Specific Gravity (water=1): 1-1.5 **Density:** 8.34-9 lbs/gal

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

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

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☒ **Yearly**
Number of Units (containers): 10 **Other:**
Texas State Waste Code No: 00011141
Proper U.S. DOT Shipping Name: Non RCRA/Non DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >200	**pH** 6-8	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** ~~50-85%~~ 5-10
Oil&Grease >100mg/l	**TOC** >1000mg/l	**Zinc** namg/l	**Copper** namg/l	**Nickel** namg/l

EPAHO111000098

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	85-95	%
Dirt/Sand/Silt	5-10	%
Ammonia	0-0.05	%
Soap/Detergent	0-2	%
Hydrocarbons	1-2	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analytical #51145.01

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: 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 material in waste or generating process
Corrosivity: ph adjusted before shipment
Ignitability: no flammable material in waste or generating 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: _____ **Date:** 11-30-06

Printed Name/Title: Larry Phillips

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: _____ Date: 12-6-06 Approved Rejected Approval Number: 1949	IL

EPAHO111000099

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

EPAHO111000100

(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.

EPAHO111000101

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: 51145.01

Customer: **CES Env. Svcs.**
Project ID: **Hydrochem**
Project Loc: **Deer Park, TX**
Charge/P.O.:

Sample ID: **Out-Dated Drums**
Matrix: **Liquid**
Type:

Environ ID: **51145.01**
Sampled: **10-04-05**
Received: **10-04-05**
Reported: **10-10-05**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
RCI								
Reactive Cyanide	< 20	mg/l	250	20	SW846.7.3.3	DB	10-05-05	08:45
Reactive Sulfide	< 20	mg/l	500	20	SW846.7.3.4	DB	10-05-05	08:45
Corrosivity (Ph)	7.08	su	=>2; =<12.5	--	SW846.9045C	MN	10-04-05	13:50
Ignitability	> 200	°F	> 140	--	SW846.1010	DB	10-05-05	13:35
METALS - TCLP					SW846.1311	MN	10-04-05	
Antimony	0.16	mg/l	1.0	0.08	SW846.6010B	DB	10-10-05	11:03
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	10-10-05	11:03
Barium	0.54	mg/l	100	0.02	SW846.6010B	DB	10-10-05	11:03
Beryllium	0.07	mg/l	0.08	0.05	SW846.6010B	DB	10-10-05	11:03
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	10-10-05	11:03
Chromium	3.21	mg/l	5.00	0.02	SW846.6010B	DB	10-10-05	11:03
Lead	0.609	mg/l	5.00	0.015	SW846.6010B	DB	10-10-05	11:03
Nickel	9.44	mg/l	70.0	0.05	SW846.6010B	DB	10-10-05	11:03
Selenium	0.31	mg/l	1.00	0.05	SW846.6010B	DB	10-10-05	11:03
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	10-10-05	11:03
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	10-07-05	08:00
VOC - TCLP (Dilution Factor: 1.0)					SW846.1311	MN	10-04-05	
Benzene	< 0.05	mg/l	0.5	0.05	SW846.8260B	HDG	10-11-05	11:35
2-Butanone (MEK)	< 0.25	mg/l	200.0	0.25	SW846.8260B	HDG	10-11-05	11:35
Carbon tetrachloride	< 0.05	mg/l	0.5	0.05	SW846.8260B	HDG	10-11-05	11:35
Chlorobenzene	< 0.05	mg/l	100	0.05	SW846.8260B	HDG	10-11-05	11:35
Chloroform (Trichloromethan	< 0.05	mg/l	6.0	0.05	SW846.8260B	HDG	10-11-05	11:35
1,2-Dichloroethane (EDC)	< 0.05	mg/l	0.5	0.05	SW846.8260B	HDG	10-11-05	11:35
1,1-Dichloroethene	< 0.05	mg/l	0.7	0.05	SW846.8260B	HDG	10-11-05	11:35
Tetrachloroethene	< 0.05	mg/l	0.7	0.05	SW846.8260B	HDG	10-11-05	11:35
Trichloroethene	< 0.05	mg/l	0.5	0.05	SW846.8260B	HDG	10-11-05	11:35
Vinyl chloride	< 0.10	mg/l	0.2	0.10	SW846.8260B	HDG	10-11-05	11:35
SVOC - TCLP (Conc. Factor: 200)					SW846.1311	MN	10-04-05	
1,4-Dichlorobenzene	< 0.05	mg/l	7.5	0.050	SW846.8270C	JAC	10-10-05	15:27
2,4-Dinitrotoluene	< 0.10	mg/l	0.13	0.100	SW846.8270C	JAC	10-10-05	15:27
Hexachlorobenzene	< 0.05	mg/l	0.13	0.050	SW846.8270C	JAC	10-10-05	15:27
Hexachlorobutadiene	< 0.05	mg/l	0.50	0.050	SW846.8270C	JAC	10-10-05	15:27
Hexachloroethane	< 0.05	mg/l	3.0	0.050	SW846.8270C	JAC	10-10-05	15:27
2-Methylphenol (o-Cresol)	< 0.05	mg/l	(200)	0.050	SW846.8270C	JAC	10-10-05	15:27
3&4-Methylphenol (m&p-Cres	< 0.05	mg/l	(o+m+p)	0.050	SW846.8270C	JAC	10-10-05	15:27
Nitrobenzene	< 0.05	mg/l	2.0	0.050	SW846.8270C	JAC	10-10-05	15:27
Pentachlorophenol	< 0.25	mg/l	100	0.250	SW846.8270C	JAC	10-10-05	15:27
Pyridine	< 0.05	mg/l	5.0	0.050	SW846.8270C	JAC	10-10-05	15:27
2,4,5-Trichlorophenol	< 0.05	mg/l	400	0.050	SW846.8270C	JAC	10-10-05	15:27
2,4,6-Trichlorophenol	< 0.05	mg/l	2.0	0.050	SW846.8270C	JAC	10-10-05	15:27

QUALITY CONTROL -- TCLP VOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
1,2-Dichloroethane-d4 (SS)	0.052	104	76-114
Toluene-d8 (SS)	0.050	100	80-120
4-Bromofluorobenzene (SS)	0.052	104	80-120

QUALITY CONTROL -- TCLP SVOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Nitrobenzene-d5	0.053	106	35-114
2-Fluorobiphenyl	0.043	86	43-116
Terphenyl-d14	0.046	92	33-141
Phenol-d5	0.055	55	21-100
2-Fluorophenol	0.033	33	10-100
2,4,6-Tribromophenol	0.059	59	10-123

Definitions:
REG - Regulatory Limit (User Should Confirm TCLP - Toxcisity Charasteric Leaching Procedure
MQL - Method Quantitation Limit
su - Standard Units
PPM - Parts Per Million
VOC - Volatile Organic Compounds
mg/l - PPM by Volume, mg/kg - PPM by Weig SVOC - Semivolatile Organic Compounds

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO111000102

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	DCW	DATE:	10.10.05	UNITS:	PPM (mg/l)	NO.SAMPLES:	10

SAMPLES:	51145.01	51147.01	51154.01	51155.01	51156.01	51156.02	51156.03	51156.04
	51156.05	51156.06						

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS — BATCH ID: 51145.01

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	100	0	100	0	75 - 125	20
Barium	0.00	5	5.03	101	102	1	97	0	75 - 125	20
Cadmium	0.00	5	5.06	101	101	0	98	0	75 - 125	20
Chromium	0.00	5	5.06	101	102	0	100	0	75 - 125	20
Lead	0.00	5	5.04	101	101	0	99	0	75 - 125	20
Selenium	0.00	5	4.74	95	96	2	100	0	75 - 125	20
Silver	0.00	5	5.05	101	102	1	102	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: 10.07.05	UNITS: mg/l	NO.SAMPLES: 16

SAMPLES:	51145.01	51147.01	51153.01	51153.02	51153.03	51153.04	51153.05	51153.06
	51154.01	51155.01	51156.01	51156.02	51156.03	51156.04	51156.05	51156.06

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

Monday
10-10-05

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: CES ENV. Matt Bowman	Invoice To: ~~Matt~~ CES ENV.
Company: CES ENV.	Company: Matt Bowm
Address:	Address:
City State: Zip:	City: State: Zip:
Phone:	Phone:
Fax:	Fax:
e-Mail:	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #	COC Present? (Yes) No
Shipment Sealed? (Yes) No	Samples Sealed? (Yes) No
Received on Ice? (Yes) No	Samples Intact? (Yes) No
Cooler Temp. (°C) 2°	Preservative Shown? Yes (No) NA
Hold Time OK? (Yes) No	Res. Cl2 Check OK? Yes No (NA)
pH Check OK? Yes No (NA)	COC & Labels Agree? (Yes) No

Project Name: Hydrochem
Project Location: Deer Parks
Project No:
Sampler (Print): Matt Bowman
Sampler (Sign):
Sampler Remarks:

Remarks & Additional Analyses
* Report all 11 metals

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	TOTAL EPA TCLP SEMI-VOLS	TOTAL EPA TCLP RCRA 8 METALS	RCI
	[2] Cntr. Type		P									
	Number		1									
	Volume		32oz									
	[3] Preservative		1									
51145.01	1) Out-dated Drums	10-4-05 11:25AM	Liq						X	X	X	X
	2)											
	3)											
	4)											
	5)											
	6)											
	7)											
	8)											
	9)											
	10)											

Relinquished By: Matt	Company: CES ENV.	Date/Time: 10/4/05 11:45AM	Received By: Gladys 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

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

EPAHO111000105

LARRY

DC

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-1949

Customer: Hydrochem

Waste Generator: Hydrochem

Waste Stream Name: Class 1 rinsewater sludge

Expiration Date: 12/4/2008

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.

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

Hydro Chem Industrial Services
Customer Name

Signature

Branch Manager DEX-015
Company / Title

5/7/09
Date

Laboratory Analysis Report

Total Number of Pages: 11

Job ID : 09040583

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

Client Project Name :
0409-27X Hydrochem / Deer Park

Report To :	Client Name:	CES Environmental	P.O.#.: 0409-27X
	Attn:	Dana Carter	Sample Collected By: D.Tafilaj
	Client Address:	4904 Griggs Rd	Date Collected: 04/24/09
	City, State, Zip:	Houston, Texas, 77021	

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

Client Sample ID	Matrix	A&B Sample ID
0409-27X Totes (Oily)	Liquid	09040583.01

Shantall Carpenter

Released By: Shantall Carpenter
Title: Project Manager
Date: 5/6/2009

This Laboratory is NELAP (T104704213-08B-TX) accredited. Effective: 07/01/2008; Expires: 06/30/2009
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 : 04/27/2009 14:20

EPAHO111000107

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 09040583 Date: 5/6/2009

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	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

Qualifier Definition

M2	Matrix Spike/Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference."The sample randomly selcted as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
S6	Surrogate recovery is outside control limits due to matrix effects.
V1	CCV recovery is above acceptance limits. This target analyte was not detected in the sample.
V6	CCV recovery is above the control limit for this analyte, however the average %difference for all the analytes meets method criteria.

EPAHO111000108

LABORATORY TEST RESULTS

Job ID : 09040583

Date 5/6/2009

Client Name: CES Environmental Attn: Dana Carter
Project Name: 0409-27X Hydrochem / Deer Park

Client Sample ID: 0409-27X Totes (Oily)
Date Collected: 04/24/09
Time Collected: 12:00
Other Information:

Job Sample ID: 09040583.01
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.04	5.0		04/28/09 15:12	SS
	Barium	0.132	mg/L	1	0.04	100.0		04/28/09 15:12	SS
	Cadmium	BRL	mg/L	1	0.04	1.0		04/28/09 15:12	SS
	Chromium	0.539	mg/L	1	0.04	5.0		04/28/09 15:12	SS
	Lead	BRL	mg/L	1	0.04	5.0		04/28/09 15:12	SS
	Selenium	BRL	mg/L	1	0.1	1.0		04/28/09 15:12	SS
	Silver	BRL	mg/L	1	0.04	5.0		04/28/09 15:12	SS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.0005	0.2		04/28/09 16:36	SM
SW-846 8260B	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		04/28/09 16:48	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		04/28/09 16:48	HW
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		04/28/09 16:48	HW
	Benzene	BRL	mg/L	1	0.13	0.5		04/28/09 16:48	HW
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		04/28/09 16:48	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70		04/28/09 16:48	HW
	Chloroform	BRL	mg/L	1	0.13	6		04/28/09 16:48	HW
	MEK	BRL	mg/L	1	0.13	200		04/28/09 16:48	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		04/28/09 16:48	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		04/28/09 16:48	HW
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		04/28/09 16:48	HW
	p-Bromofluorobenzene(surr)	105	%	1	70-130			04/28/09 16:48	HW
	1,2-Dichloroethane-d4(surr)	89.5	%	1	70-130			04/28/09 16:48	HW
	Dibromofluoromethane(surr)	104	%	1	70-130			04/28/09 16:48	HW
	Toluene-d8(surr)	101	%	1	70-130			04/28/09 16:48	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	1	0.05	7.5		04/28/09 21:19	ML
	2,4,5-Trichlorophenol	BRL	mg/L	1	0.05	400		04/28/09 21:19	ML
	2,4,6-Trichlorophenol	BRL	mg/L	1	0.05	2		04/28/09 21:19	ML
	2,4-Dinitrotoluene	BRL	mg/L	1	0.05	0.13		04/28/09 21:19	ML
	2-Methylphenol	BRL	mg/L	1	0.05	200		04/28/09 21:19	ML
	3- & 4-Methylphenols	BRL	mg/L	1	0.05	200		04/28/09 21:19	ML
	Hexachlorobenzene	BRL	mg/L	1	0.05	0.13		04/28/09 21:19	ML
	Hexachlorobutadiene	BRL	mg/L	1	0.05	0.4		04/28/09 21:19	ML
	Hexachloroethane	BRL	mg/L	1	0.05	3		04/28/09 21:19	ML
	Nitrobenzene	BRL	mg/L	1	0.05	2		04/28/09 21:19	ML
	Pentachlorophenol	BRL	mg/L	1	0.05	100		04/28/09 21:19	ML
	Pyridine	BRL	mg/L	1	0.05	4		04/28/09 21:19	ML

EPAHO111000109

LABORATORY TEST RESULTS

Job ID : 09040583

Date 5/6/2009

Client Name: CES Environmental Attn: Dana Carter

Project Name: 0409-27X Hydrochem / Deer Park

Client Sample ID: 0409-27X Totes (Oily)
Date Collected: 04/24/09
Time Collected: 12:00
Other Information:

Job Sample ID: 09040583.01
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2-Fluorobiphenyl(surr)	47.3	%	1	30-115			04/28/09 21:19	ML
	Phenol-d6(surr)	0.400	%	1	15-120		S6	04/28/09 21:19	ML
	2,4,6-Tribromophenol(surr)	0	%	1	10-120		S6	04/28/09 21:19	ML
	p-Terphenyl-d14(surr)	32.3	%	1	18-137			04/28/09 21:19	ML
	2-Fluorophenol(surr)	1.57	%	1	15-111		S6	04/28/09 21:19	ML
	Nitrobenzene-d5(surr)	4.86	%	1	20-120		S6	04/28/09 21:19	ML

EPAHO111000110

QUALITY CONTROL CERTIFICATE

Job ID : 09040583 **Date :** 5/6/2009

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

QC Batch ID : Qb09042829 **Created Date :** 04/28/09 **Created By :** Ssrinivasan

Samples in This QC Batch : 09040583.01

Digestion :	PB09042818	**Prep Method :** SW-846 3010A		**Prep Date :**	04/28/09 11:00	**Prep By :**	Ssrinivasan
TCLP Prep :	PB09042805	**Prep Method :** SW-846 1311		**Prep Date :**	04/27/09 16:30	**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	2.0	1.95	97.5	2.0	2.00	100	2.5	20	80-120	
Barium	2.0	1.84	92	2.0	1.85	92.5	0.5	20	80-120	
Cadmium	2.0	1.84	92	2.0	1.84	92	0	20	80-120	
Chromium	2.0	1.89	94.5	2.0	1.89	94.5	0	20	80-120	
Lead	2.0	2.00	100	2.0	1.98	99	1	20	80-120	
Selenium	2.0	1.81	90.5	2.0	1.85	92.5	2.2	20	80-120	
Silver	2.0	2.01	101	2.0	2.02	101	0.5	20	80-120	

QC Type: MS and MSD
QC Sample ID: 09040570.01

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	2.00	100						45-138	
Barium	0.445	2	2.24	89.8						39-135	
Cadmium	BRL	2	1.81	90.5						56-125	
Chromium	BRL	2	1.89	94.5						52-125	
Lead	BRL	2	1.94	97						55-125	
Selenium	BRL	2	1.84	92						70-130	
Silver	BRL	2	2.02	101						26-148	

Refer to the Definition page for terms.

EPAHO111000111

QUALITY CONTROL CERTIFICATE

Job ID : 09040583 **Date :** 5/6/2009

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

QC Batch ID : Qb09042836 **Created Date :** 04/28/09 **Created By :** Sathish

Samples in This QC Batch : 09040583.01

Digestion :	PB09042826	**Prep Method :**	SW-846 7470A	**Prep Date :**	04/28/09 10:00	**Prep By :**	Sathish
TCLP Prep :	PB09042805	**Prep Method :**	SW-846 1311	**Prep Date :**	04/27/09 16:30	**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	0.0054	107	0.005	0.0053	105	1.9	35	71-143	

QC Type: MS and MSD
QC Sample ID: 09040584.01

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	0.0054	106	0.005	0.0061	121	13.8	35	61-175	

Refer to the Definition page for terms.

EPAHO111000112

QUALITY CONTROL CERTIFICATE

Job ID : 09040583 **Date :** 5/6/2009

Analysis : TCLP Semivolatiles **Method :** SW-846 8270D **Reporting Units :** mg/L

QC Batch ID : Qb09042908 **Created Date :** 04/29/09 **Created By :** Mli

Samples in This QC Batch : 09040583.01

Extraction :	PB09042815	**Prep Method :**	SW-846 3510C	**Prep Date :**	04/28/09 10:00	**Prep By :**	Lwang
TCLP Prep :	PB09042805	**Prep Method :**	SW-846 1311	**Prep Date :**	04/27/09 16:30	**Prep By :**	Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.05		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05		
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25		
Pyridine	110-861	BRL	mg/L	1	0.05		

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
1,4-Dichlorobenzene	0.25	0.15	60	0.25	0.141	56.4	6.2	35	24-134	
2,4,5-Trichlorophenol	0.25	0.212	84.8	0.25	0.217	86.8	2.3	35	6-115	
2,4,6-Trichlorophenol	0.25	0.196	78.4	0.25	0.198	79.2	1	35	40-138	
2,4-Dinitrotoluene	0.25	0.275	110	0.25	0.284	114	3.2	35	32-114	
2-Methylphenol	0.25	0.172	68.8	0.25	0.178	71.2	3.4	35	6-132	
3- & 4-Methylphenols	0.5	0.262	52.4	0.5	0.268	53.6	2.3	35	29-132	
Hexachlorobenzene	0.25	0.292	117	0.25	0.286	114	2.1	35	44-142	
Hexachlorobutadiene	0.25	0.172	68.8	0.25	0.178	71.2	3.4	35	20-124	
Hexachloroethane	0.25	0.151	60.4	0.25	0.154	61.6	2	35	14-136	
Nitrobenzene	0.25	0.146	58.4	0.25	0.144	57.6	1.4	35	38-146	
Pentachlorophenol	0.25	0.143	57.2	0.25	0.168	67.2	16.1	35	25-125	
Pyridine	0.25	0.119	47.6	0.25	0.125	50	4.9	35	6-112	

QC Type: MS and MSD
QC Sample ID: 09040570.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,4-Dichlorobenzene	BRL	0.25	0.068	27.2						24-134	
2,4,5-Trichlorophenol	BRL	0.25	0.075	30						6-115	
2,4,6-Trichlorophenol	BRL	0.25	0.066	26.4						40-138	M2

Refer to the Definition page for terms.

EPAHO111000113

QUALITY CONTROL CERTIFICATE

Job ID : 09040583 **Date :** 5/6/2009

Analysis : TCLP Semivolatiles **Method : SW-846 8270D** **Reporting Units : mg/L**

QC Batch ID : Qb09042908 **Created Date :** 04/29/09 **Created By :** Mli

Samples in This QC Batch : 09040583.01

QC Type: MS and MSD
QC Sample ID: 09040570.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
2,4-Dinitrotoluene	BRL	0.25	0.141	56.4						32-114	
2-Methylphenol	BRL	0.25	0.094	37.6						6-132	
3- & 4-Methylphenols	BRL	0.5	0.137	27.4						29-132	M2
Hexachlorobenzene	BRL	0.25	0.103	41.2						44-142	M2
Hexachlorobutadiene	BRL	0.25	0.096	38.4						20-124	
Hexachloroethane	BRL	0.25	0.083	33.2						14-136	
Nitrobenzene	BRL	0.25	0.093	37.2						38-146	M2
Pentachlorophenol	BRL	0.25	0.069	27.6						25-125	
Pyridine	BRL	0.25	0.023	9.2						6-112	

Refer to the Definition page for terms.

EPAHO111000114

QUALITY CONTROL CERTIFICATE

Job ID : 09040583 **Date :** 5/6/2009

Analysis : TCLP VOC **Method :** SW-846 8260B **Reporting Units :** mg/L

QC Batch ID : Qb09042912 **Created Date :** 04/28/09 **Created By :** Whuimei

Samples in This QC Batch : 09040583.01

Sample Preparation : PB09042810 **Prep Method :** SW-846 5030C **Prep Date :** 04/28/09 11:20 **Prep By :** Whuimei

TCLP Prep : PB09042805 **Prep Method :** SW-846 1311 **Prep Date :** 04/27/09 16:30 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13		
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15		
Benzene	71-43-2	BRL	mg/L	1	0.13		
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13		
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15		
Chloroform	67-66-3	BRL	mg/L	1	0.13		
MEK	78-93-3	BRL	mg/L	1	0.13		
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16		
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13		
Vinyl Chloride	75-01-4	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
1,1-Dichloroethylene	0.5	0.49	98	0.5	0.473	94.6	3.5	25	70-130	
Benzene	0.5	0.502	100	0.5	0.485	97	3.4	25	70-130	
Chlorobenzene	0.5	0.495	99	0.5	0.473	94.6	4.5	25	70-130	
MEK	0.5	0.829	166	0.5	0.852	170	2.7	35	70-180	
Tetrachloroethylene	0.5	0.526	105	0.5	0.577	115	9.2	25	70-130	
Trichloroethylene	0.5	0.517	103	0.5	0.515	103	0.4	25	70-130	

QC Type: MS and MSD
QC Sample ID: 09040570.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.5	0.496	99.2						70-130	
Benzene	BRL	0.5	0.475	95						70-130	
Chlorobenzene	BRL	0.5	0.455	91						70-130	
MEK	BRL	0.5	0.504	101						70-130	
Trichloroethylene	BRL	0.5	0.491	98.2						70-130	

Refer to the Definition page for terms.

EPAHO111000115

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 # 0960583

5. Project #

1. REPORT TO:
Company: CES Environmental
Address: 4904 Gaines Road, Houston, TX 77021
Contact: Dana Carter
Phone: (713) 676-1460
Fax: ☐ (713) 676-1676
E-mail: ☒ dcarter@cesenvironmental.com

2. INVOICE TO:
Company: Same
Address:
Contact:
Phone:
Fax: ☐
E-mail: ☐

3. PO # 0409-27X

4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project Name/Location: Hydrochem / Deerpark

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Durin Taylor / CES
Sampler's Signature & Date: 4/24

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. Analyses/Methods: 14. Containers* / 15. Preservatives** / 16. PH-Lab Only: TCLP 8 METALS	TCLP SEMI-VOLATILES	TCLP VOLATILES	18. REMARKS
Page 10 of 11	0409-27X Totes (Oily)	4/24	12:00	X								1	X	X	X	

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1	4/27	2:20			
2					
3			21. RECEIVED BY LABORATORY	4/27/09	2:20

22. KNOWN HAZARDS/COMMENTS
Temperature: 24.5°C
Intact: Y or N Initials

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

*Containers: **VOA** - 40 ml vial; **4 oz/8 oz** - glass wide mouth; **A/G** - Amber/Glass 1 Liter; **P/O** - Plastic/other

Preservatives: **C - Cool; **H** - HCl; **N** - HNO_3; **S** - H_2SO_4; **OH** - NaOH; **T** - $Na_2S_2O_3$; **X** - Other

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

EPAHO111000116

Sample Condition Checklist

Date : **05/06/09**

A&B JobID : **09040583**	Date Received : **04/27/2009**	Time Received : **2:20PM**
Client Name : **CES Environmental**		
Temperature : **24.5°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**	N/A	
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:

Temperature requirments were not met. Per client ok to proceed with analysis. MG

Received by : Dwarner

Check in by/date : Dwarner / 04/27/2009

1951 Dyna-Drill Technologies
Prof # 1951

EPAHO11100118

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **4/26/2007**

Dear **Eddie Garcia**

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 # 1951

Generator: Dyna Drill
Address: 4225 World Houston Pkwy
Houston, TX 77032

Waste Information

Name of Waste: RCRA empty drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
RCRA empty 55 gallons drums llast containing coolant
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

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:	Dyna-Drill Technologies		
Address:	4225 World Houston Drive		
City, State, Zip:	Houston, TX 77032		
Contact:	Eddie Garcia	**Title:**	HSE Manager
Phone No:	281-227-1250	**Fax No:**	281-227-1255
24/hr Phone:	832-452-9570		
U.S. EPA I.D. No:	TXR000033084		
State I.D.	86208	**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: RCRA Empty Drums
Detailed Description of Process Generating Waste: RCRA Empty 55 Gallon Drums Last Contained Coolant

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

Color: Varies **Odor:** None

Specific Gravity (water=1): 1-2.5 **Density:** 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☒ Other (explain) ~~Portable Metal Cans~~
Container Size: 55 Gal ____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-30 **Other:** ____
Texas State Waste Code No: Na - Recycle
Proper U.S. DOT Shipping Name: RCRA Empty Drums
Class: Na **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	Na	0mg/l	0mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
Namg/l	Namg/l	Namg/l	Namg/l	Namg/l

EPAHO111000120

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
RCRA Empty 55 Gallon Drums ~Last Contained	~~100~~ 0 to 100	%
Non-Haz Coolant		

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: No Signature Required No Signature Required **Date:** 02/16/06

Printed Name/Title: Eddie Garcia/HSE Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Mayda

Date: 12-6-06 Approved Rejected

Approval Number: 1951

Additional Information: REC

EPAHO111000121

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

EPAHO111000122

(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.

EPAHO111000123

Dyna Drill
Rig #1952

1952

EPAHO111000124

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **12/6/2006**

Dear **Eddie Garcia**

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 # 1952

Generator: Dyna Drill
Address: 4225 World Houston Pkwy
Houston, TX 77032

Waste Information

Name of Waste: Non-hazardous waste grinding sludge
TCEQ Waste Code #: 00063191
Container Type:
Detailed Description of Process Generating Waste:
Grining sludge and lubricant generated from grinding carbon steel pipe
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road **Houston, TX 77021**
Phone: (713) 676-1460 **Fax: (713) 676-1676**
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

p/u Friday DB

1952

SECTION 1: Generator Information

Company:	Dyna-Drill Technologies		
Address:	4225 World Houston Drive		
City, State, Zip:	Houston, TX 77032		
Contact:	Eddie Garcia	**Title:**	HSE Manager
Phone No:	281-227-1250	**Fax No:**	281-227-1255
24/hr Phone:	832-452-9570		
U.S. EPA I.D. No:	TXR000033084		
State I.D.	86208	**SIC Code:**	NA

SECTION 2: Billing Information – ☑ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Waste Grinding Sludge
Detailed Description of Process Generating Waste: Grinding sludge and lubricant generated from grinding carbon steel pipe.

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

Color: Varies **Odor:** None

Specific Gravity (water=1): 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): 1-10 **Other:**
Texas State Waste Code No: 00063191
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Grinding Sludge
Class: Na **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	Na	0mg/l	0mg/l	100%

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

EPAHO111000126

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oil	0-10	%
Gringing sludge	90-100	%

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.
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: 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: Eddie Garcia Date: 11/29/06

Printed Name/Title: Eddie Garcia/HSE Manager

CER USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 12-6-06 Approved Rejected

Approval Number: 1957

Additional Information: OSL

EPAHO111000127

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

EPAHO111000128

(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.

EPAHO111000129

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: 61168.01

Customer: **CES Env. Svcs.**
Project ID: **Dyna Drill**
Project Loc: **Hou., TX**
Charge/P.O.:

Sample ID: **Grinding Sludge**
Matrix: **Oil & Sludge**
Type:

Environ ID: **61168.01**
Sampled: **11-03-06**
Received: **11-06-06**
Reported: **11-15-06**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BENZENE - TCLP					SW846.1311	MN	11-06-06	
Benzene	< 0.001	mg/l	0.5	0.001	SW846.8021B	DMB	11-08-06	14:55
METALS (RCRA) - TCLP					SW846.1311	MN	11-06-06	
Antimony	< 0.08	mg/l	1.0	0.08	SW846.6010B	JK	11-13-06	09:30
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	11-13-06	09:30
Barium	2.02	mg/l	100	0.02	SW846.6010B	JK	11-13-06	09:30
Beryllium	< 0.05	mg/l	0.08	0.05	SW846.6010B	JK	11-13-06	09:30
Cadmium	0.08	mg/l	1.00	0.02	SW846.6010B	JK	11-13-06	09:30
Chromium	0.39	mg/l	5.00	0.02	SW846.6010B	JK	11-13-06	09:30
Lead	0.10	mg/l	5.00	0.02	SW846.6010B	JK	11-13-06	09:30
Nickel	< 0.05	mg/l	70.0	0.05	SW846.6010B	JK	11-13-06	09:30
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	11-13-06	09:30
Silver	1.28	mg/l	5.00	0.05	SW846.6010B	JK	11-13-06	09:30
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	11-08-06	09:30

Definitions:
TCLP - Toxicity Characteristic Leaching Procedure
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

EPAHO111000130

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	BTEX	METHOD:	EPA SW846/5030/8021B	MATRIX:	LEACHATE

ANALYST:	dmb	UNITS:	mg/l	NO.SAMPLES:	15

SAMPLES:	61157-01	61157-02	61157-03	61157-04	61157-05	61157-06	61158-01	61158-02
	61168-01	61170-01	61171-01	61171-02	61191-01	61191-02	61202-01	

MATRIX 61157-02	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%)	
									REC-RANGE	RPD
BENZENE	0	100	95	95	103	7	97	0	60 - 120	20
TOLUENE	0	100	84	84	90	7	85	0	60 - 120	20
Et-BENZENE	0	100	86	86	85	2	86	0	60 - 120	20
XYLENES	0	300	251	84	85	2	86	0	60 - 120	20
MTBE	0	100	117	117	101	15	112	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 11/8/06

JOHN KELLER, Ph.D DATE
Lab.Dir./QA-QC Mgr.

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	JK	DATE:	11.13.06	UNITS:	PPM (mg/l)	NO.SAMPLES:	20

SAMPLES:	61154.01	61157.01	61157.02	61157.03	61157.04	61157.05	61157.06	61158.01
	61158.02	61158.03	61159.01	61160.01	61161.01	61162.01	61167.01	61168.01
	61169.01	61170.01	61171.01	61171.02				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 61154.01

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	4.74	95	95	0	93	0	75 - 125	20
Barium	0.00	5	4.60	92	92	0	95	0	75 - 125	20
Cadmium	0.00	5	4.60	92	91	1	96	0	75 - 125	20
Chromium	0.00	5	4.71	94	93	1	91	0	75 - 125	20
Lead	0.00	5	4.58	92	91	1	95	0	75 - 125	20
Selenium	0.00	5	4.88	98	98	0	96	0	75 - 125	20
Silver	0.00	5	4.47	89	88	1	106	0	75 - 125	20

John Keller

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	MERCURY	METHOD: EPA SW846/7471A	MATRIX:	LIQUID

ANALYSTS:	MN	DATE:	11.08.06	UNITS:	mg/l	NO.SAMPLES:	20

SAMPLES:	61157.01	61157.02	61157.03	61157.04	61157.05	61157.06	61158.01	61158.02
	61158.03	61159.01	61160.01	61161.01	61162.01	61167.01	61168.01	61169.01
	61170.01	61171.01	61171.02	61154.01				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF.	QC LIMITS RECOV.	QC LIMITS DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	100	0	1	60 - 120	20

John Keller
JOHN KELLER, Ph.D
Laboratory Director

CHAIN OF COUSTODY

ENVIRON Express Laboratories

Page ___ of ___

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: Dan Bowman	Invoice To: Eme	TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 (5)
Company: CES	Company:	LAB LOT # / COC Present? (Yes) No
Address: 4904 Griggs Rd	Address:	Shipment Sealed? (Yes) No / Samples Sealed? (Yes) No
City: Houston State: Tx Zip: 77021	City: State: Zip:	Received on Ice? (Yes) No / Samples Intact? (Yes) No
Phone: 713-854-6150	Phone:	Cooler Temp. (°C): 7°C / Preservative Shown? Yes (No) NA
Fax: 713-676-1676	Fax:	Hold Time OK? (Yes) No / Res. Cl2 Check OK? Yes No (NA)
e-Mail:	PO#: Quote#:	pH Check OK? (Yes) No NA / COC & Labels Agree? (Yes) No

Project Name: Dyna Drill
Project Location: Houston Tx
Project No:
Sampler (Print): Dan Bowman
Sampler (Sign): [signature]
Sampler Remarks:

²Cntr. Type	G
Number	1
Volume	32oz
³Preservative	1

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	¹MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL / EPA TCLP VOLATILES	SEMI-VOLS	RCRA 8 METALS	TCLP Benzene	Remarks & Additional Analyses
61168.01	1) Grinding Sludge	11/3/06 3:00PM	O/SL								X	X	
	2)												
	3)												
	4)												
	5)												
	6)												
	7)												
	8)												
	9)												
	10)												

Relinquished By:	Company:	Date/Time:	Received By:	Company:
[signature]	CES	11/6/06 2:45 Pm	Julio Almaguer	ENVIRON

¹Matrix 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 ________

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

³Preservative 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.

11-15-06; 9:31AM;Environ ;2814715821 # 3/ 3

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): 10

Date: 11/29/06

To: Eddie Garcia

281 - 227 - 1255

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

Notes: Please Sign & Return Profile.

Still need Inventory on Pick-up.

Dan

Brundage Bone
Prof # 1953

1953

EPAHO11100136

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **12/7/2006**

Dear **Kevin White**

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 # 1953

Generator: Brundage Bone
Address: 4707 W. OST
Houston, TX 77013

Waste Information

Name of Waste: Hydraulic oil and dirt (unused)
TCEQ Waste Code #: CESQ3011
Container Type:
Detailed Description of Process Generating Waste:
Tank leak oil spill on dirt
Color: brown **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc. MB

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676 #1953
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: Brundage Bone Concrete / (Memorial Hermann Spill) (Katy)
Address: 4707 W. 0ST
City, State, Zip: Houston TX. 77029
Contact: Roderick Gonzales Title: Maint. Mgr.
Phone No: 281-802-0369 Fax No:
24/hr Phone:
U.S. EPA I.D. No: N/A TXCESQG
State I.D. CESQG SIC Code: NA

SECTION 2: Billing Information – ☐ Same as Above

Company: Select Environmental
Address: 223 N Loop Dr.
City, State, Zip: Houston TX. 77029
Contact: Kevin White Title: Sales
Phone No: 281-960-3967 Fax No: 1-672-4530

SECTION 3: General Description of the Waste

Name of Waste: Hydraulic Oil + Dirt (Unused)
Detailed Description of Process Generating Waste: Tank leak oil spill on dirt

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

Color: Brown Odor: Hydrocarbon

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

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal. ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 10 Other: 1 time spill
Texas State Waste Code No: CESQ 3011
Proper U.S. DOT Shipping Name: Non-Haz Solid
Class: N/A UN/NA: N/A PG: N/A RQ: N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	N/A	0 mg/l	0 mg/l	100 %

Oil&Grease	TOC	Zinc	Copper	Nickel
N/A mg/l	N/A mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO111000138

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Dirt		90
Hydraulic oil		10

SECTION 5: Safety Related Data

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

Standard

SECTION 6: Attached Supporting Documents

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

Analysis - BTEX, TPH, RCRA metals

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: [signature] (Broker) **Date:** 12-4-06

Printed Name/Title: ~~Roderick Gonzales~~ Kevin White Sr Cert Environmental

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 12-7-06 Approved Rejected

Approval Number: 1953

Additional Information: IS

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

EPAHO111000140

(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.

EPAHO111000141

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: 61257.01

Customer: **Select Environmental**
Project ID: **Brundage Bone - Herman**
Project Loc: **Houston, TX**
Charge/P.O.:

Sample ID: **Brundage Bone**
Matrix: **Solid**
Type:

Environ ID: **61257.01**
Sampled:
Received: **11-27-06**
Reported: **12-06-06**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.005	mg/kg	--	0.005	SW846.8021B	DMB	12-06-06	14:24
Toluene	0.113	mg/kg	--	0.005	SW846.8021B	DMB	12-06-06	14:24
Ethylbenzene	< 0.005	mg/kg	--	0.005	SW846.8021B	DMB	12-06-06	14:24
Xylenes	< 0.015	mg/kg	--	0.015	SW846.8021B	DMB	12-06-06	14:24
Total BTEX	0.113	mg/kg		0.030	SW846.8021B	DMB	12-06-06	14:24
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	< 5,000	mg/kg	--	5,000	TCEQ 1005.03	DB	12-06-06	13:43
DRO (Diesel Range)	52,100	mg/kg	--	5,000	TCEQ 1005.03	DB	12-06-06	13:43
ORO (Oil Range)	104,000	mg/kg	--	5,000	TCEQ 1005.03	DB	12-06-06	13:43
TOTAL TPH	156,100	mg/kg	--	5,000	TCEQ 1005.03			
METALS (RCRA) - TCLP					SW846.1311	MN	11-27-06	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	11-28-06	16:55
Barium	0.89	mg/l	100	0.02	SW846.6010B	JK	11-28-06	16:55
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	JK	11-28-06	16:55
Chromium	0.23	mg/l	5.00	0.02	SW846.6010B	JK	11-28-06	16:55
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	11-28-06	16:55
Selenium	0.05	mg/l	1.00	0.05	SW846.6010B	JK	11-28-06	16:55
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	JK	11-28-06	16:55
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	11-28-06	09:00

Definitions:
TCLP - Toxicity Characteric Leaching Procedure su - Standard Units
REG - Regulatory Limit (User Should Confirm Lim 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

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: Kevin White	Invoice To: Fred Blankenship
Company: Select Environtal	Company: Select Environtal
Address: 223 McCarty Dr.	Address: 223 McCarty Dr
City: Hou. State: Tx. Zip: 77029	City: Hou. State: Tx. Zip: 77029
Phone: 7-675-7376	Phone:
Fax: 7-672-4530	Fax:
e-Mail:	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 (3) 5

LAB LOT #	COC Present? (Yes) No
Shipment Sealed? (Yes) No	Samples Sealed? (Yes) No
Received on Ice? (Yes) No	Samples Intact? (Yes) No
Cooler Temp. (°C) 2°	Preservative Shown? Yes No (NA)
Hold Time OK? (Yes) No	Res Cl2 Check OK? Yes No (NA)
pH Check OK? Yes No (NA)	COC & Labels Agree? (Yes) No

Remarks & Additional Analyses

Project Name: Brundage Bone - Herman
Project Location: Houston
Project No:
Sampler (Print): Kevin White
Sampler (Sign): [signature]

Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL EPA TCLP: VOLATILES	SEMI-VOLS	RCRA 8 METALS
	[2] Cntr. Type		P								
	Number		1								
	Volume		32oz								
	[3] Preservative		1								
61257.01	1)		S		X	X					X
	2)										
	3)										
	4)										
	5)										
	6)										
	7)										
	8)										
	9)										
	10)										

Relinquished By: [signature]	Company: Select Environtal	Date/Time: 11-27-06	Received By: [signature]	Company:	11/27/06 3:36
Relinquished By:	Company:	Date/Time: 3:39	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.

2/3 ;2814715821 12-6-06; 3:39PM;Environ EPAHO1110001 43

Kinder Morgan 1921
Prof # 1921

EPAHO111000144

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/21/2006**

Dear **Lance Wiley**

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 # 1921

Generator: Kinder Morgan
Address: 906 Clinton Dr
Galena Park, TX 77547

Waste Information

Name of Waste: Ethanol product
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Chemical manufacturing and manufacturing facility
Color: brown **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

#1921

SECTION 1: Generator Information

Company:	Kinder Morgan		
Address:	906 Clinton Drive		
City, State, Zip:	Galena Park, TX 77507		
Contact:	Lance Wiley	**Title:**	
Phone No:	713-920-8436	**Fax No:**	713-472-7660
24/hr Phone:	713-920-8436		
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: Ethanol Product
Detailed Description of Process Generating Waste: Chemical Manufacturing and production facility

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

Color: Brown **Odor:** Hydrocarbon

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

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

Container Type:	☐ **Drum**	☐ **Tote**	☒ **Truck**	☐ **Other (explain)**
Container Size:	____	____	5000	____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Product
Proper U.S. DOT Shipping Name: Flammable liquids, n.o.s. (ethanol)
Class: 3 **UN/NA:** UN1993 **PG:** II **RQ:** NA

Flash Point >115	**pH** 3-11	**Reactive Sulfides** N/Amg/l	**Reactive Cyanides** N/Amg/l	**Solids** 0%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO111000146

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Ehtanol	90-95	%
Water	5-10	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

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

TCLP Metals: 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:** November 21, 2006

Printed Name/Title: N/A per Matt Bowman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Maupin

Date: 11-21-06 (Approved) Rejected

Approval Number: 1921

Additional Information: PRODUCT

EPAHO111000147

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

EPAHO111000148

(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.

EPAHO111000149

RUSH!

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-1921**

Customer: **Kinder Morgan**

Waste Generator: **Kinder Morgan** ✓

Waste Stream Name: **Ethanol product**

Expiration Date: **11/21/2008**

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

Kinder Morgan Liquids Terminals LLC
Customer Name

Signature

EHS Specialist
Company / Title

1/29/09
Date

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 :	Kinder Morgan		
Address :	906 Clinton Dr 906 Clinton Drive		
City, State, Zip :	Galena Park TX 77547		
Contact :	Jonny Salinas	**Title :**	
Phone No :	(713) 823-7838	**Fax :**	
24 / HR Phone :			
U.S EPA I.D No :	TXD026481523		
State I.D :	30573	**SIC Code**	

SECTION 2: Billing Information

Company :	Kinder Morgan		
Address :	906 Clinton Dr 906 Clinton Drive		
City, State, Zip :	Galena Park TX 77547		
Contact :	Jonny Salinas	**Title :**	
Phone No :	(713) 823-7838	**Fax :**	

SECTION 3: General Description of the Material / Product

Name of Mateiral / Product : Ethanol product

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

Chemical manufacturing and manufacturing facility

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

Color : brown **Odor :** hydrocarbon

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

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

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

Layers : ☐ Single-Phas ☑ Multi-Phase

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

Container Size : 5000

Number Of Units : 1

Proper U.S. DOT Shipping Name : UN1993, Flammable Liquids, n.o.s.,(Ethanol), 3, PG II

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

EPAHO111000151

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>115	3-11	na mg/l	na mg/l	0 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
na mg/l	na mg/l	na mg/l	na mg/l	na mg/l

SECTION 4: Physical and Chemical Data

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

SECTION 5: Safety Related Data

If the handling of this material / product 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 material / product profile.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

SECTION 8: Material Producer's Certification

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

Authorized Signature : Johnny Galvan **Date :** ~~11/21/2006~~ 1/29/2009

Printed Name / Title : not required /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 11/21/2006 **Status :** Approved Rejected

Approval Number : HOU-1921

Process Facility Information :

$.50/gallon, $400/load plus fuel surcharge. TOC is expected to be high. If material is mostly ethanol, handle as CES Fuel

EPAHO111000152

Smith Neyrfor 1922
Prof # 1922

EPAHO11100153

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/22/2006**

Dear **Darryl Chapman**

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 # 1922

Generator: Smith Neyrfor
Address: Same
Houston, TX

Waste Information

Name of Waste: Sump sludge
TCEQ Waste Code #: CESQ6031
Container Type:
Detailed Description of Process Generating Waste:
Accumulation of sludge in a wash bay sump, cleaning of pipes, valves, etc.
Color: grey **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.

.13

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

#1922

SECTION 1: Generator Information

Company:	Smith Neyrfor		
Address:	15815 Waverly Drive		
City, State, Zip:	Houston, TX 77032		
Contact:	Darrell Chapman	**Title:**	Manager
Phone No:	832-601-3076	**Fax No:**	281-233-5607
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TX CESQG		
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: Sump Sludge
Detailed Description of Process Generating Waste: Accumulation of sludge in a wash bay sump, cleaning of pipes, valves etc.

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

Color: Grey **Odor:** oil like

Specific Gravity (water=1): 1.2 **Density:** 10 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

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

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: CESQ6031
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >150	**pH** neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 50-90%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000155

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oil	2-20	%
Dirt Sludge	20-60	%
Metal Scale Sludge	20-60	%
Water	20-60	%

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: BTEX
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: Darrell Chapman **Date:** 17-Nov-2006

Printed Name/Title: Darrell Chapman/Facility Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Maynard Additional Information: _____

Date: 11-21-06 Approved Rejected OSL

Approval Number: 1922

EPAHO111000156

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

EPAHO111000157

(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.

EPAHO111000158

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6110138

Client Sample ID: Sump Sludge
Extended ID: Smith Neyfor

Sample Collect Date: 11/6/2006 @ 10:00:00 AM **Sample Type:** Grab
Sample Receipt Date: 11/7/2006 @ 11:30:00 AM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	**0.060**	**mg/L**	11/10/2006 / 4:26 PM
Barium	0.0005	100	**1.03**	**mg/L**	11/10/2006 / 4:26 PM
Cadmium	0.002	1	< 0.002	mg/L	11/10/2006 / 4:26 PM
Chromium	0.002	5	**0.014**	**mg/L**	11/10/2006 / 4:26 PM
Lead	0.005	5	**0.100**	**mg/L**	11/10/2006 / 4:26 PM
Selenium	0.024	1	< 0.024	mg/L	11/10/2006 / 4:26 PM
Silver	0.002	5	< 0.002	mg/L	11/10/2006 / 4:26 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	**0.0004**	**mg/L**	11/13/2006 / 8:40 PM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DB Date / Time
Flashpoint		**>150**	**deg F**	11/9/2006 / 10:00 AM

BTEX Method: SW-846 8021B	MDL	Result	Units	Analyst: HDG Date / Time
Benzene	0.5	< 0.5	mg/kg	11/12/2006 / 4:54 PM
Toluene	0.5	< 0.5	mg/kg	11/12/2006 / 4:54 PM
Ethyl benzene	0.5	< 0.5	mg/kg	11/12/2006 / 4:54 PM
M+P-Xylene	0.5	< 0.5	mg/kg	11/12/2006 / 4:54 PM
o-Xylene	0.5	< 0.5	mg/kg	11/12/2006 / 4:54 PM

EPAHO111000159

- CERTIFICATE OF RESULTS -

MES Lab#: 6110138

Client Sample ID: Sump Sludge
Extended ID: Smith Neyfor

Sample Collect Date: 11/6/2006 @ 10:00:00 AM **Sample Type:** Grab
Sample Receipt Date: 11/7/2006 @ 11:30:00 AM

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

Tuesday, November 14, 2006

Holland D. Gilmore, Laboratory Director **Date**

6110138

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

ANALYTE	STD
Flashpoint	82°F

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	104.8

6110138
Page 2

QA/QC REPORT CONTINUED

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
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: _____
Holland D. Gilmore / Laboratory Director

November 14, 2006

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
COMPANY ADDRESS:
CITY STATE ZIP
CONTACT PERSON'S NAME: Gary Brackman
CONTACT PERSON'S PHONE: 713-41 5737 FAX #:

2 YOUR PROJECT NO.: Smith Meyer | YOUR P.O. #: VBC Gary | YOUR PROJECT NAME: Smith Meyer - Sump
PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX
Sump Sludge	G	11-6-06	11:00	Sludge

4 PARAMETERS FOR ANALYSIS

TCLP (8) metals	Flash point	BTEX	NUMBER OF CONTAINERS	PRESERVATIONS
✓	✓	✓	1	None

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.

onice

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
a. Gary Brackman b.		11-7-06	11:30	

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
				11/7	1130

8 Sample Remainder Disposal
☐ Return Sample Remainder To Client Via
☒ 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
MES
-2814764406
11/14/2006 14:50
EPAHO11100163

Smith Neyshr 1923
Prof # 1923

EPAHO11100164

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date 11/22/2006

Dear **Darryl Chapman**

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 # 1923

Generator: Smith Neyrfor
Address: Same
Housyon, TX

Waste Information

Name of Waste: Used oil and degreaser
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Accumulation of oil in degreaser consisting oof d-limonene, cleaning of oily equipment prior to repair.
Color: black **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.

AD

#1123

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:	Smith Neyrfor		
Address:	15815 Waverly Drive		
City, State, Zip:	Houston, TX 77032		
Contact:	Darrell Chapman	**Title:**	Manager
Phone No:	832-601-3076	**Fax No:**	281-233-5607
24/hr Phone:	CES-713-676-1460		
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: Used oil and degreaser
Detailed Description of Process Generating Waste: accumulation of oil in a degreaser consisting of d-limonene, cleaning of oily equipment prior to repair

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

Color: black **Odor:** oil like

Specific Gravity (water=1): .85-.95 **Density:** 8 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: NA-Recyclable Material
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material (Used Oil and degreaser)
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >150	**pH** neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0-5%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000166

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Oil	50-80	%
Dirt Sludge	0-2	%
Metal Sludge	0-2	%
Water	0-10	%
d-limonene degreaser	5-20	%

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.
Chlor-D-Tect, flash point

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: Darrell Chapman **Date:** 17-Nov-2006

Printed Name/Title: Darrell Chapman/Facility Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Thyne

Date: 11-21-06 Approved Rejected

Approval Number: 1123

Additional Information: REC

EPAHO111000167

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

EPAHO111000168

(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.

EPAHO111000169

CES Environmental Services, Inc.

Sample Evaluation Form

Sample ID # 00065 ~~00660~~ Date 11 / 14 / 06

Please Complete This Section

Generator / Customer Name :	Smith Weyrfor
Name or Type of Waste :	Oil / D-Limilene
Process Generating Waste :	Equipment cleaning, fluid changes
Number of Samples : 1	Submitted By : [signature]
Analysis To Be Completed :	Flash, Chlor-D-Tect
Turnaround Time :	
Other :	

(Lab Use Only)

Sample Results : FLASH > 180 °F ; PASSED CHLOR D TECT

Suggested Method of Treatment : —

Suggested Price Range : —

Sample Results Reported to GB

Test Completed By : AC Date : 11 / 20 / 06 Time: 8:20 AM

White - CES Salesperson Copy Pink - Processing Facility Copy

1924 GATX (Hearne)
Prof # 1924

EPAHO111000171

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/22/2006**

Dear **Ricardo Salias**

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

CES Profile # 1924

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

Waste Information

Name of Waste: Trench sludge
TCEQ Waste Code #: 00176091
Container Type: 25 yd box
Detailed Description of Process Generating Waste:
Sludge and PPE from cleaning out the bottom of railcars (product heels)
Color: dark **Odor:** slight **pH:** 3-11
Physical State:
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**

#1924
MB
#1124

SECTION 1: Generator Information

Company:	GATX (Hearne)		
Address:	PO Box 969		
City, State, Zip:	Hearne, TX 77859		
Contact:	Ricardo Salias	**Title:**	HS&E Manager
Phone No:	(979) 279-7020	**Fax No:**	
24/hr Phone:	(979) 279-7020		
U.S. EPA I.D. No:	TXD000835207		
State I.D.	32643	**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: Trench Sludge
Detailed Description of Process Generating Waste: Sludge and PPE from cleaning out the bottom of railcars (product heels)

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

Color: Dark **Odor:** Slight

Specific Gravity (water=1): 1.2 **Density:** 10 lbs/gal

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

Container Type: ☐ **Drum** ☐ **Tote** ☐ **Truck** ☒ **Other (explain)**
Container Size: ____ ____ ____ 25yd box

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 3 **Other:** ____
Texas State Waste Code No: 00176091
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated waste sludge
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >150	**pH** 3-11	**Reactive Sulfides** 450 mg/l	**Reactive Cyanides** <25mg/l	**Solids** 75-100%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO111000173

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Range if acceptable	Units or %
water	50-60	%
mud, rock, dirt	30-40	%
organic	15-20	%
oil	5-10	%
rust	2-3	%
		%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

TCLP Metals:	TCLP 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 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:** 11/20/06

Printed Name/Title: Ricardo Salas

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-22-06 Approved Rejected OSL

Approval Number: ~~1924~~ 1924

NOV-20-2006 08:51 CES Environmental Service 713 676 1676 P.03

EPAHO111000174

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

EPAHO111000175

(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.

EPAHO111000176

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: 7136761676

Attn: **Matt Bowman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6050199
Client Sample ID: Rail Car Pit Sludge
Extended ID: GATX Hearne - Rail Car Pit Sludge

Sample Collect Date: 5/8/2006 @ 9:30:00 AM **Sample Type:** Grab
Sample Receipt Date: 5/9/2006 @ 10:33:00 AM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: CKIME Date / Time
Arsenic	0.014	5	< 0.014	mg/L	5/10/2006 / 3:52 PM
Barium	0.0005	100	**0.215**	**mg/L**	5/10/2006 / 3:52 PM
Cadmium	0.002	1	< 0.002	mg/L	5/10/2006 / 3:52 PM
Chromium	0.002	5	**0.006**	**mg/L**	5/10/2006 / 3:52 PM
Lead	0.005	5	**0.006**	**mg/L**	5/10/2006 / 3:52 PM
Selenium	0.024	1	< 0.024	mg/L	5/10/2006 / 3:52 PM
Silver	0.002	5	< 0.002	mg/L	5/10/2006 / 3:52 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: CKIME Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	5/10/2006 / 1:58 PM

TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
Pyridine	0.10	5	< 0.10	mg/L	5/10/2006 / 11:53 PM
1,4-Dichlorobenzene	0.10	7.5	< 0.10	mg/L	5/10/2006 / 11:53 PM
o-Cresol	0.10	200	< 0.10	mg/L	5/10/2006 / 11:53 PM
m+p-Cresol	0.10	200	< 0.10	mg/L	5/10/2006 / 11:53 PM
Hexachloroethane	0.10	3	< 0.10	mg/L	5/10/2006 / 11:53 PM
Nitrobenzene	0.10	2	< 0.10	mg/L	5/10/2006 / 11:53 PM
Hexachlorobutadiene	0.10	0.5	< 0.10	mg/L	5/10/2006 / 11:53 PM
2,4,6-Trichlorophenol	0.10	2	< 0.10	mg/L	5/10/2006 / 11:53 PM
2,4,5-Trichlorophenol	0.10	400	< 0.10	mg/L	5/10/2006 / 11:53 PM
2,4-Dinitrotoluene	0.10	0.13	< 0.10	mg/L	5/10/2006 / 11:53 PM
Hexachlorobenzene	0.10	0.13	< 0.10	mg/L	5/10/2006 / 11:53 PM
Pentachlorophenol	1.00	100	< 1.00	mg/L	5/10/2006 / 11:53 PM

EPAHO111000177

- CERTIFICATE OF RESULTS -

MES Lab#: 6050199

Client Sample ID: Rail Car Pit Sludge
Extended ID: GATX Hearne - Rail Car Pit Sludge

Sample Collect Date: 5/8/2006 @ 9:30:00 AM **Sample Type:** Grab
Sample Receipt Date: 5/9/2006 @ 10:33:00 AM

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time
Vinyl chloride	0.010	0.2	< 0.010	mg/L	5/10/2006 / 3:39 PM
1,1-Dichloroethene	0.005	0.7	< 0.005	mg/L	5/10/2006 / 3:39 PM
2-Butanone	0.050	200	< 0.050	mg/L	5/10/2006 / 3:39 PM
Chloroform	0.005	6	< 0.005	mg/L	5/10/2006 / 3:39 PM
Carbon tetrachloride	0.005	0.5	< 0.005	mg/L	5/10/2006 / 3:39 PM
1,2-Dichloroethane	0.005	0.5	< 0.005	mg/L	5/10/2006 / 3:39 PM
Benzene	0.005	0.5	< 0.005	mg/L	5/10/2006 / 3:39 PM
Trichloroethene	0.005	0.5	< 0.005	mg/L	5/10/2006 / 3:39 PM
Tetrachloroethene	0.005	0.7	< 0.005	mg/L	5/10/2006 / 3:39 PM
Chlorobenzene	0.005	100	< 0.005	mg/L	5/10/2006 / 3:39 PM
1,4-Dichlorobenzene	0.005	7.5	< 0.005	mg/L	5/10/2006 / 3:39 PM
Hexachlorobutadiene	0.005	0.5	< 0.005	mg/L	5/10/2006 / 3:39 PM

Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL	Result	Units	Analyst: TFR Date / Time
C6 - C12 Hydrocarbons	4	**1610**	**mg/kg**	5/10/2006 / 5:58 AM
>C12 - C28 Hydrocarbons	8	**6580**	**mg/kg**	5/10/2006 / 5:58 AM
>C28 - C36 Hydrocarbons	8	**125**	**mg/kg**	5/10/2006 / 5:58 AM
Total TPH	20	**8310**	**mg/kg**	5/10/2006 / 5:58 AM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: AS Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	5/9/2006 / 4:38 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: AS Date / Time
Hydrogen Sulfide	0.25	**7.30**	**mg/kg**	5/10/2006 / 11:45 AM

Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**5.65**		5/9/2006 / 11:00 AM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DB Date / Time
Flashpoint		**>150**	**deg F**	5/10/2006 / 11:15 AM

EPAHO111000178

- CERTIFICATE OF RESULTS -

MES Lab#: 6050199

Client Sample ID: Rail Car Pit Sludge
Extended ID: GATX Hearne - Rail Car Pit Sludge

Sample Collect Date: 5/8/2006 @ 9:30:00 AM **Sample Type:** Grab
Sample Receipt Date: 5/9/2006 @ 10:33:00 AM

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

Holland D. Gilmore, Laboratory Director ***Thursday, May 11, 2006*** **Date**

EPAHO111000179

6050199

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	109.4
Toluene-d8	103.7
4-Bromofluorobenzene	131.2

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES	% REC
2-Fluorophenol	55.4
Phenol-d6	68.5
Nitrobenzene-d5	52.2
2-Fluorobiphenyl	63.1
2,4,6-Tribromophenol	56.4
p-Terphenyl-d14	46.5

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Antimony	< 0.005	103.8	98.8	4.89	< 0.005	96.5	118.0	96.4
Arsenic	< 0.002	100.3	91.9	8.72	< 0.002	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	94.2	92.4	86.1
Beryllium	< 0.002	90.9	95.9	5.36	< 0.002	92.6	93.6	93.5
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Nickel	< 0.001	103.0	104.0	0.97	< 0.001	94.3	95.2	85.3
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

ANALYTE	STD	ORIG	DUP	RPD
Flashpoint	82°F	> 150°F	> 150°F	0.00

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	7.76	7.76	0.00

6050199
Page 2

QA/QC REPORT CONTINUED

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	0.65	0.65	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD	STD %REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	96

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC
C6-C12		< 4	91.6	96.9	97.2
C12-C28		< 8	103.0	88.9	90.8

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: _____ May 11, 2006
Holland D. Gilmore / Laboratory Director

Mercury Environmental Services, Inc.

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 ENV. SVCS
COMPANY ADDRESS: 4904 GRIGGS RD
CITY HOUSTON STATE TX ZIP 77021
CONTACT PERSON'S NAME: ~~SEAN EASTON~~ MATT BINNION
CONTACT PERSON'S PHONE: (713) 926-1329 ~~446-4660~~ FAX #: (713) 676-1676

2
YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
RAILCAR PIT SLUDGE	GATX HEARNE	GATX HOUSTON - RAILCAR PIT SLUDGE

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	**4** TCLP Metals	TCLP Volatiles	TCLP S. Volatiles	RCI	TPH			NUMBER OF CONTAINERS	PRESERVATIONS
RAIL CAR PIT SLUDGE	GRAB	5/8/06	930 AM	SLUDGE	X	X	X	X	X			1	ICE

5 REMARKS
TURNAROUND TIME: 2-DAY
DETECTION LIMITS SPECIAL LIMITS REQUIRED: Yes No
Please circle one. If Yes, please describe below or include separate sheet detailing requirements.

ONICE 18°C

6
PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):
a. [signature] b. SEAN EASTON
RELINQUISHED BY: (Signature) [signature] DATE 5/9/06 TIME 10:33 AM RECEIVED BY: (Signature) [signature]

7
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
[signature]				[signature]			

METHOD OF PAYMENT	SHIPPED BY: (Signature)	COURIER (Signature)	RECEIVED FOR MES BY: (Signature)	DATE	TIME
			[signature]	5/9	10:33

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**

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MES
-2814764406
05/11/2006 14:51
EPAHO111000182

AES Deepwater 1925
Prof # 1925

EPAHO11100183

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/27/2006**

Dear **Robby Meriovsky**

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

CES Profile # 1925

Generator: AES Deepwater
Address: 701 Light Company Road
Pasadena, TX 77506

Waste Information

Name of Waste: Oily water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Oily water from transformer containment
Color: black **Odor:** none **pH:** 7
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
none

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

MB

#1925

SECTION 1: Generator Information

Company:	AES Deepwater		
Address:	901 Light Company Road		
City, State, Zip:	Houston, Texas 77506		
Contact:	Ken Niznik	**Title:**	EH&S
Phone No:	713-740-2215	**Fax No:**	713-472-0389
24/hr Phone:			
U.S. EPA I.D. No:	TXD000837427		
State I.D.	31632	**SIC Code:**	N/A

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston, TX. 77029		
Contact:	Robby Mersiovsky	**Title:**	Sales
Phone No:	713-882-7740	**Fax No:**	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: oily water
Detailed Description of Process Generating Waste: oily water from transformer containment

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

Color: black **Odor:** none

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

Layers: ☐ Single-phase ☒ Multi-phase

Container Type:	☐ Drum	☐ Tote	☒ Truck	☐ Other (explain)
Container Size:	____	____	16000	____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: ~~[redacted]~~ N/A (Recyclable) Recyclable hydrocarbon and water mixture
Proper U.S. DOT Shipping Name: N/A
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point >140	**pH** 7	**Reactive Sulfides** 0 mg/l	**Reactive Cyanides** 0 mg/l	**Solids** 5%
Oil&Grease 0 mg/l	**TOC** N/A mg/l	**Zinc** 0 mg/l	**Copper** 0 mg/l	**Nickel** 0 mg/l

5-2090

EPAHO111000185

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
used transformer oil	10%	
water	85%	
solids	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.
sample provided to CES . Run Chlor-D-Tect Test upon arrival.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
~~none known~~ 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: [signature] **Date:** 22 Nov 06

Printed Name/Title: Ken Niznik President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: REC

Date: 11-27-06 Approved Rejected

Approval Number: 1925

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

EPAHO111000187

(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.

EPAHO111000188

Dal-Tile 1926
Prof # 1926

EPAHO11000189

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1926

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Non-hazardous solids and oil
TCEQ Waste Code #: 00093101
Container Type:
Detailed Description of Process Generating Waste:
Dirt, absorbent, clay, PPE, and hydraulic oils used to clean up hydraulic oil/diesel spills. The clay comes from the raw material used to make ceramic tiles.
Color: varies **Odor:** hydracarbon **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

A

D3

CES Environmental Services, Inc.

4904 Griggs Road **Houston, TX 77021**
Phone: (713) 676-1460 **Fax: (713) 676-1676**
http://www.cesenvironmental.com

1926

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Solids and Oil
Detailed Description of Process Generating Waste: Dirt, absorbent, clay, PPE, and hydraulic oils used to clean up hydraulic oil/deisel spills. The clay comes from the raw material used to make ceramic tiles.

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

Color: Varies **Odor:** Hydrocarbonm

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:		55 gal		300 gal	____		____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 7 **Other:** ____
Texas State Waste Code No: 00093101
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Solids
Class: NA **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point >200	**pH** Na	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 100%
Oil&Grease >1500mg/l	**TOC** Namg/l	**Zinc** Namg/l	**Copper** Namg/l	**Nickel** Namg/l

EPAHO111000191

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Dirt	0-95	%
Clay	0-75	%
Absorbent	0-50	%
Oil	3-8	%
PPE (TPH Contaminated)	0-5	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
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: Kenneth Nelson **Date:** 11/14/06

Printed Name/Title: Kenneth Nelson

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Barbara Maupin Date: 11-16-06 Approved Rejected Approval Number: 1926	15

EPAHO111000192

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

EPAHO111000193

(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.

EPAHO111000194

Dal - Tile 1927
Prof # 1927

EPAHO11000195

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1927

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Non-hazardous oil with debris
TCEQ Waste Code #: 00093101
Container Type:
Detailed Description of Process Generating Waste:
Dirt, absorbent, water, clay, PPE, and hydraulic oils used to clean up hydraulic oil/diesel spills. The clay comes from the raw material used to make ceramic tiles. Free flowing hydraulic oil and diesel will be present.
Color: varies **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

B

PB

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**

#1927

SECTION 1: Generator Information

Company:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Oil with Debris
Detailed Description of Process Generating Waste: Dirt, absorbent, water, clay, PPE, and hydraulic oils used to clean up hydrolic oil/deisel spills. The clay comes from the raw material used to make ceramic tiles. Free flowing hydraulic oil and deisel will be present.

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

Color: Varies **Odor:** 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:	55 gal	300 gal	____	____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 6 **Other:** ____
Texas State Waste Code No: 00093101
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Solids and Oil
Class: NA **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>160	Na	0mg/l	0mg/l	100%

EPAHO111000197

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

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Dirt	0-10	%
Clay	0-75	%
Absorbent	0-25	%
Oil (Hyrolic and Deisel)	25-60	%
PPE (TPH Contaminated)	0-5	%
Water	0-5	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 11/14/06

Printed Name/Title: KENNY NELSON

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: _____ Date: 11-16-06 Approved Rejected Approval Number: 1927	15

EPAHO111000198

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

EPAHO111000199

(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.

EPAHO111000200

Dal-Tile 1928
Prof # 1928

EPAHO11000201

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1928

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Recyclable oily water and unused oils
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Oily water, diesel, hydraulic oils unused contaminated with rain water from open contain
Color: varies **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

D

DB

#1928

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:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Oily Water and Unused Oils
Detailed Description of Process Generating Waste: Oily Water, Deisel, Hydrolics Oils Unused contaminated with Rain water from open containers.

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

Color: Varies **Odor:** 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:		55 gal	____	____			____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 6 **Other:** ____
Texas State Waste Code No: Recycled
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
>160	Na	0mg/l	0mg/l	0-2%

Oil&Grease	TOC	Zinc	Copper	Nickel
>20000mg/l	Namg/l	Namg/l	Namg/l	Namg/l

EPAHO111000203

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	0 - 5	%
Deisel	0 - 100	%
Hydraulic Oil	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.
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: [signature] **Date:** 11/14/06

Printed Name/Title: KENNY NELSON

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: [signature] Date: 11-16-06 Approved Rejected Approval Number: 1928	REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

If 'Yes', complete this section.

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

Metals Subcategory: Subpart A

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

Oils Subcategory: Subpart B

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

Organics Subcategory: Subpart C

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

EPAHO111000205

(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.

EPAHO111000206

Dal-Tile 1929
Prof # 1929

EPAHO11100207

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1929

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Non-hazardous TPH contaminated debris
TCEQ Waste Code #: 90013011
Container Type:
Detailed Description of Process Generating Waste:
PPE, rags, absorbent pads, and booms contaminated with hydraulic oils from clean up sp
Color: varies **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

E

DB

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

#1929

SECTION 1: Generator Information

Company:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous TPH contaminated Debris
Detailed Description of Process Generating Waste: PPE, Rags, Absorbent Pads, and Booms contaminated with hydrolic Oils from clean up spills.

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

Color: Varies **Odor:** 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: 85 gal

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: 90013011
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste TPH Contaminated Absorbent Pads and PPE

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>160	Na	0mg/l	0mg/l	100%

EPAHO111000209

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

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Absorbent Pads	50-90	%
PPE	10-20	%
Absorbent Booms	5-10	%
Debris (Trash)	5-10	%

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):
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:** 11/14/06

Printed Name/Title: Kathy Nelson

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Robert Thompson Date: 11-16-06 (Approved) Rejected Approval Number: 1929	15

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

EPAHO111000211

(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.

EPAHO111000212

Daf-Tile 1930
Prof # 1930

EPAHO111000213

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1930

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Non-hazardous unused glycerine (natural)
TCEQ Waste Code #: 00042061
Container Type:
Detailed Description of Process Generating Waste:
Unused Glycerine in 55 gallon steel drums.
Color: colorless **Odor:** none **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

#1930

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:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Unused Glycerine (Natural)
Detailed Description of Process Generating Waste: Unused Glycerine in 55 gallon steel Drums.

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

Color: Colorless **Odor:** None

Specific Gravity (water=1): 1-1.3 **Density:** 8.5-10 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): 3 **Other:** ____
Texas State Waste Code No: 00042061
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Glycerine
Class: NA **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>160	Na	0mg/l	0mg/l	0-2%

Oil&Grease	TOC	Zinc	Copper	Nickel
Org Oil mg/l	Namg/l	Namg/l	Namg/l	Namg/l

EPAHO111000215

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Glycerine (Natural)	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.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 11/14/06

Printed Name/Title: Kenny Nelson

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Richard Langford Date: 11-16-06 (Approved) Rejected Approval Number: 1930	OL

EPAHO111000216

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

If 'Yes', complete this section.

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

Metals Subcategory: Subpart A

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

Oils Subcategory: Subpart B

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

Organics Subcategory: Subpart C

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

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

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

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

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

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

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

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MATERIAL SAFTEY DATA SHEET

Date Prepared: 01/26/98
Date Printed: 03/01/99
MSDS No: 999.0169165-004.004

GLYCERINE, NATURAL 99.5% USP

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: GLYCERINE, NATURAL 99.5% USP
Product Code: 3405120
General or Generic ID: POLYOL

Company
Humco Holding Group, Inc.
7400 Alumax Drive
Texarkana, TX 75501

Emergency Telephone Number:
903-831-7808

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient (s)	CAS Number	% (by weight)
GLYCERINE	56-81-5	100.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye
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 may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation
Breathing of vapor mist is possible.

Symptoms or 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).

Target Organs Effects
No data

Development Information
No data

GLYCERINE, NATURAL 99.5% USP

Cancer Information
No data

Other Health Effects
No data

Primary Route(s) of Entry
Inhalation, Skin contact.

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 any 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.

Swallowing
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 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, more 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
Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

5. FIRE FIGHTING MEASURES

Flash Point
390.0 F (198.8C) PMCC

Explosive Limit
Not applicable

Autoignition Temperature
No data

Hazardous Products of Combustion
May form: acrolein, carbon dioxide and carbon monoxide.

Continued on next page

GLYCERINE, NATURAL 99.5% USP

Fire and Explosion Hazards
No special fire hazards are known to be associated with this product.

Extinguishing Media
Alcohol foam, water fog, carbon dioxide, dry chemical.

Fire Fighting Instructions
Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment of this MSDS.

NFPA Rating
Health – 1, Flammability – 1, Reactivity – 0

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6. ACCIDENTAL RELEASE MEASURES

Small Spill
Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

Large Spill
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

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7. HANDLING AND STORAGE

Handling
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. 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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection
Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Continued on next page

Skin Protection

Wear resistant gloves such as: natural rubber, to prevent repeated or prolonged skin contact, wear impervious clothing and boots.

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 (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

GLYCERINE (56-81-5)
OSHA VPEL 5.000 mg/m3 – TWA respirable fraction
OSHA VPEL 10.000 mg/m3 – TWA total dust
ACGIH TLV 10.000 mg/m3 – TWA (total dust/particulate)

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9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for product) 554.0 F (290.0 C) @ 760 mmHg

Vapor Pressure

(for product) < 1.000 mmHg @ 68.00 F

Specific Vapor Density

3.100 @ AIR=1

Specific Gravity

1.263 @ 68.00 F

Liquid Density

10.510 lbs/gal @ 68.00 F
1.263 kg/l @ 20.00 C

Percent Volatiles

No data

Evaporation Rate

SLOWER THAN ETHYL ETHER

Appearance

No data

State

Liquid

Continued on next page

GLYCERINE, NATURAL 99.5% USP

Physical Form
HOMOGENEOUS SOLUTION

Color
CLEAR, APHA COLOR 25 MAX

Odor
No data

pH
Not applicable

10. STABILITY AND REACTIVITY

Hazardous Polymerization
Product will not undergo hazardous polyermization.

Hazardous Decomposition
May form: acrolein, carbon dioxide and carbon monoxide.

Chemical Stability
Stable.

Incompatibility
Avoid contact with: strong oxidizing agents.

11. TOXICOLOGY INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information
Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Information – 49 CFR 172.101
DOT Description
NON_REGULATED By D.O.T.

Continued on next page

GLYCERINE, NATURAL 99.5% USP

Container /Mode:
55 Gal DRUM/TRUCK PACKAGE

NOS Component:
None

RQ (Reportable Quantity) - 49 CFR 172.101
Not applicable

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15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substance Control Act) Status
TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ – 40 CFR 302.4(a)
None listed

SARA 302 Components – 40 CFR 355 Appendix A
None

Section 311/312 Hazard Class – 40 CFR 370.2
Immediate( ) Delayed( ) Fire( ) Reactive( ) Sudden Release of Pressure( )

SARA 313 Components – 40 CFR 372.65
None

International Regulations

Inventory Status
DSL (Canada) The intentional ingredients of this product are listed.
EINEC (Europe) The intentional ingredients of this product are listed.
TCCL (Korea) The intentional ingredients of this product are listed.

State and local Regulations

California Proposition 65
None

Pennsylvania RTK Label Information
1,2,3-PROPANETRIOL 56-81-5

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16. OTHER INFORMATION

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.

Dal-Tile 1931
Prof # 1931

EPAHO11100225

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1931

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Non-hazardous unused sodium silicate
TCEQ Waste Code #: 00042061
Container Type:
Detailed Description of Process Generating Waste:
Unused sodium silicate in 55 gallon steel drums
Color: colorless **Odor:** none **pH:** 11
Physical State:
Incompatibilities: Aluminum, Zinc, or Tin
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.

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#1931

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:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Unused Sodium Silicate
Detailed Description of Process Generating Waste: Unused Sodium Silicate in 55 gallon steel Drums.

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

Color: Colorless **Odor:** None

Specific Gravity (water=1): 1-1.6 **Density:** 8.5-10 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): 4 **Other:** ____
Texas State Waste Code No: 00042061
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Sodium Silicate
Class: NA **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	11	0mg/l	0mg/l	0-2%

Oil&Grease	TOC	Zinc	Copper	Nickel
Org mg/l	Namg/l	Namg/l	Namg/l	Namg/l

EPAHO111000227

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Sodium Silicate (Organic)	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.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Aluminum, Zinc or Tin

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:** 11/14/06

Printed Name/Title: Kathy Nelson

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: _____ Date: 11-16-06 Approved Rejected Approval Number: 1931	OL

EPAHO111000228

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

EPAHO111000229

(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.

EPAHO111000230

Material Safety Data Sheet

SwanTek®

1. Identification of Substance

Product Name: **Sodium Silicate Solution**
Application: Refractory grade mortar Sodium Silicate Grade Crystal 0079.
Supplier: SwanTek
Address: Mintsfeet Road South, Kendal, Cumbria, LA9 6ND
Contact: Tel: 01539 722247 Fax: 01539 740067
E-mail: service@swantek.com Web: www.swantek.com
Emergency health and safety information is available on line at www.swantek.com.

2. Composition/Information on Ingredients

Sodium Silicate solution
CAS No: 1344-09-8
EINECS No: 215-687-4

3. Hazards Identification

Inhalation: Irritating of the nose, throat and lungs
Skin: Irritating
Eyes: Irritating
Ingestion: Harmful

4. First Aid Measures

General: Treat symptomatically
Inhalation: Remove to fresh air. Obtain medical attention immediately
Ingestion: Do not induce vomiting. Remove material from mouth. Drink 1 or 2 glasses of water (or milk) and obtain medical attention
Eye Contact: Eye wash facilities must be kept close at hand. Wash immediately with copious amounts of water. Seek medical attention immediately
Skin Contact: Wash skin throughly with water and remove any contaminated clothing. Obtain medical attention if symptoms develop

5. Fire Fighting Measures

Not applicable. Aqueous solution. Will not support combustion

6. Accidental Release Measures

Spillage: If possible contain spillage and absorb in earth or sand and shovel into suitable containers. Spilages, unless dealt
with promptly, may set to glass and become slippery

Environmental If containment is not possible and material enters drains, dilute as much as possible with water and immediately
Precautions: notify the authorities

Personal Wear goggles to protect the eyes

EPAHO111000231

Precautions:

7. Handling and Storage

Handling: Wear suitable goggles, gloves and protective clothing when handling
Storage: Do not store at temperatures above 50°C for prolonged periods.
Protect from freezing
Normal ventilation is adequate

8. Exposure Controls/Personal Protection

Exposure Limits (UK EH40/95) Not listed
* Suppliers Recommendation
Sodium Hydroxide has an exposure limit of 2mg/M3 (15 min TWA). When using Sodium Silicate it is recommended that exposure to alkalinity, calculated as NaOH, should be kept below this limit
Engineering Controls: Local exhaust ventilation if solution is sprayed or forms an airborne aerosol
Otherwise no special controls are necessary
Personal Protection: Wear suitable overalls
Wear enclosed goggles. Eye protection is essential when handling this material
Wear impermeable plastic or rubber gloves
No eating, drinking or smoking in the workplace
Wash off splashes immediately
Keep eye wash bottle close to hand
If solution is sprayed wear approved respiratory protective equipment. Advice on respiratory equipment is
given in BS 2091 and BS 4275 and the HSE publication HS(G) 53

9. Physical and Chemical Properties

Physical state	Colourless liquid
Odour	None
pH value	11
Viscosity at 20°C	20-3000 cP
Freezing Point	0°C
Boiling Point	100°C
Relative Density	1.2 - 1.6
Solubility in water	Soluble

10. Stability and Reactivity

Stability: Stable
Materials to Avoid and: May react with aluminium, zinc, tin and their alloys, evolving hydrogen gas.
Conditions to Avoid Dilute solutions (<10% solids) have zero to minimal action with these metals
If arc welding is carried out on vessels containing silicate soltions take care to prevent electrolysis of the solution
Circuits must not be completed through pipes containing valves or flanges bolted or threaded joints
May react violently with acids
Hazardous decomposition None known
Products:

EPAHO111000232

11. Toxicological Information

General: The primary hazard of sodium silicate by all routes of entry into the body is its alkalinity
Ingestion: The toxicity of sodium silicate is dependent on the silica to alkali weight ration and the pH. LD50 oral rat
values reported in the literature are in the range 1600 - 3200 mg/kg
Inhalation: Unless the solution is sprayed or otherwise becomes airborne as an aerosol, inhalation of silicate solution is
unlikely to occur. Irritation of the nose, throat and lungs, due to the alkalinity is the likely effect
Skin Contact: Prolonged contact may cause irritation
Eye Contact: May cause irritation to eyes

12. Ecological Information

Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica. However, the pH of most silica solutions is above the acceptable limits for direct discharge to sewers and water courses

13. Disposal Considerations

For disposal by landfill sodium silicate is classed as a special waste under the UK Control of Pollution (Special Waste) Regulations. For dilute solutions or in mixtures, Waste Management Paper No 23 published by the Department of the Environment should be consulted. Consult local regulations before disposal

14. Transport Information

Not classified as Dangerous goods under the UN transport recommendations.
Packaging: Steel drums, tanks or tankers

15. Regulatory Information

Not classified under the rules of the EEC 'Dangerous Substances Directive' 67/548/EEC as amended by 92/32/EEC
Risk Phrases:
Safety Phrases:

16. Other Information

Issue Date: 18 October 2006

The responsibility to ensure safe working conditions within the workplace remains with the user. The information contained within this Safety Data Sheet (SDS) is given as a guide to the precautions required to maintain a safe work environment.

This product is for professional use only. Not for sale or resale to the general public. This product is sold for the application or applications stated on this SDS. Use for other applications may give rise to risks not covered by the information on this SDS. The physical and chemical properties on this SDS are typical properties, not a specification.

All information and instructions provided in this SDS are based on SwanTek current scientific and technical knowledge at the date indicated on the present SDS. SwanTek shall not be held

EPAHO111000233

responsible for any defect in the product covered by the SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge. Please report any errors to safety@swantek.com.

EPAHO111000234

Dal-Tile 1932
Prof# 1932

EPAHO11100235

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1932

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Recyclable ferric chloride solution (unused)
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Product-Unused ferric chloride solution - will be used in CES's wastewater treatment system.
Color: dark brown **Odor:** acrid **pH:** 12-14
Physical State:
Incompatibilities: basic materials
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.

I

DB

1932

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:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Ferric Chloride Solution (Unused)
Detailed Description of Process Generating Waste: Product- Unused Ferric Chloride Solution- Will be used in CES's waste water treatment system

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

Color: Dark Brown **Odor:** Acrid

Specific Gravity (water=1): 1.3-1.6 **Density:** 9-10 lbs/gal

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

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

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:**
Texas State Waste Code No: Recyclable
Proper U.S. DOT Shipping Name: Corrosive Liquid, Acidic, Organic (Ferric Chloride Solution)
Class: NA **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
Na	12-14	0mg/l	0mg/l	0-2%

Oil&Grease	TOC	Zinc	Copper	Nickel
Na mg/l	Namg/l	Namg/l	Namg/l	Namg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Ferric Chloride Solution	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.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Basic Materials

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:** 11/14/06

Printed Name/Title: KENNY NELSON

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert Taylor Date: 11-16-06 (Approved) Rejected Approval Number: 1932	REC

EPAHO111000238

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

If 'Yes', complete this section.

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

Metals Subcategory: Subpart A

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

Oils Subcategory: Subpart B

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

Organics Subcategory: Subpart C

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

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

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

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

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

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

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

EPAHO111000240

MSDS Number: **F1080** * * * * * *Effective Date:* ***02/16/06*** * * * * * *Supercedes:* ***02/18/03***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300
National Response in Canada
CANUTEC: 613-996-6666
Outside U.S. And Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

Ferric Chloride Solution

1. Product Identification

Synonyms: Iron (III) Chloride Solution
CAS No.: 7705-08-0
Molecular Weight: Not applicable to mixtures.
Chemical Formula: FeCl3 in H2O
Product Codes: 5251

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Ferric Chloride	7705-08-0	35 - 45%	Yes
Water	7732-18-5	55 - 65%	No

3. Hazards Identification

Emergency Overview

DANGER! CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT.

EPAHO111000241

HARMFUL IF SWALLOWED OR INHALED. AFFECTS THE LIVER.

J.T. Baker SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 2 - Moderate
Flammability Rating: 0 - None
Reactivity Rating: 2 - Moderate
Contact Rating: 3 - Severe (Corrosive)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: White (Corrosive)

Potential Health Effects

Inhalation:
Extremely destructive to tissues of the mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.
Ingestion:
Corrosive. Swallowing can cause severe burns of the mouth, throat, and stomach. Can cause sore throat, vomiting, diarrhea. Low systemic toxicity in small quantities but larger doses may cause systemic effects. Pink urine discoloration is a strong indicator of iron poisoning. Liver damage, coma and death may follow, sometimes delayed as long as three days.
Skin Contact:
Corrosive. Symptoms of redness, pain, and severe burn can occur.
Eye Contact:
Corrosive. Contact can cause blurred vision, redness, pain and severe tissue burns.
Chronic Exposure:
Repeated ingestion may cause liver damage. Prolonged exposure of the eyes may cause discoloration.
Aggravation of Pre-existing Conditions:
No information found.

---

4. First Aid Measures

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion:
If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact:
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye Contact:

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Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:
Not considered to be a fire hazard. Irritating hydrogen chloride fumes may form in fire.
Explosion:
Not considered to be an explosion hazard.
Fire Extinguishing Media:
Water, dry chemical, foam or carbon dioxide. Do not allow water runoff to enter sewers or waterways.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material are hazardous when empty since they retain product residues; observe all warnings for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
-ACGIH Threshold Limit Value (TLV):

EPAHO111000243

1 mg/m3 (TWA) soluble iron salt as Fe

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a full facepiece particulate respirator (NIOSH type N100 filters) may be worn for up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids. glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

Orange to brown liquid.

Odor:

Acid odor.

Solubility:

Complete (100%)

Specific Gravity:

1.40

pH:

No information found.

% Volatiles by volume @ 21C (70F):

55-65

Boiling Point:

230C (446F)

Melting Point:

No information found.

Vapor Density (Air=1):

No information found.

Vapor Pressure (mm Hg):

No information found.

Evaporation Rate (BuAc=1):

No information found.

EPAHO111000244

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
May produce hydrogen chloride.
Hazardous Polymerization:
This substance does not polymerize.
Incompatibilities:
Metals, allyl chloride, sodium, potassium.
Conditions to Avoid:
Incompatibles.

11. Toxicological Information

Oral rat LD50: 316 mg/kg (anhydrous); investigated as a mutagen, reproductive effector.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Ferric Chloride (7705-08-0)	No	No	None
Water (7732-18-5)	No	No	None

12. Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

EPAHO111000245

14. Transport Information

Not regulated.

15. Regulatory Information

--------\Chemical Inventory Status - Part 1\----------

Ingredient	TSCA	EC	Japan	Australia
Ferric Chloride (7705-08-0)	Yes	Yes	Yes	Yes
Water (7732-18-5)	Yes	Yes	Yes	Yes

--------\Chemical Inventory Status - Part 2\----------

Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Ferric Chloride (7705-08-0)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.
Ferric Chloride (7705-08-0)	No	No	No	No
Water (7732-18-5)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\----------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Ferric Chloride (7705-08-0)	1000	No	No
Water (7732-18-5)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

Australian Hazchem Code: None allocated.
Poison Schedule: None allocated.
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

EPAHO111000246

NFPA Ratings: Health: **3** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
DANGER! CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT.
HARMFUL IF SWALLOWED OR INHALED. AFFECTS THE LIVER.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe mist.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.
Label First Aid:
In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. In all cases get medical attention immediately.
Product Use:
Laboratory Reagent.
Revision Information:
No Changes.
Disclaimer:
****

Mallinckrodt Baker, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. MALLINCKRODT BAKER, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MALLINCKRODT BAKER, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.
****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

Dal-Tile 1933
Prof# 1933

EPAHO11100248

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1933

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Waste PEG (unused) and water
TCEQ Waste Code #: 00042061
Container Type:
Detailed Description of Process Generating Waste:
Unused PEG and water in 55 gallon drum.
Color: clear **Odor:** none **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

H DR

#1933

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:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Wase PEG (Unused) and Water
Detailed Description of Process Generating Waste: Unused PEG and Water in 55 gallon drum.

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

Color: Clear **Odor:** None

Specific Gravity (water=1): 1.1-1.5 **Density:** 8.5-9.5 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: 00042061
Proper U.S. DOT Shipping Name: Non-RCRA, Non DOT Regulated PEG

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%

Oil&Grease	TOC	Zinc	Copper	Nickel
~~Organic~~ mg/l	Namg/l	Namg/l	Namg/l	Namg/l
> 15000				

EPAHO111000250

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
PEG	50-75	%
Water	25-50	%
- -		

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):
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:** 11/14/06

Printed Name/Title: Kelly Nelson

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert Mayer Date: 11-16-06 Approved Rejected Approval Number: 1933	REC

EPAHO111000251

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

EPAHO111000252

(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.

EPAHO111000253

Preschem

Date	Aug05
Issue	002

MSDS 15

NON-Hazardous Substance, NON-Dangerous Goods.

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: Preschem PEG 4000

Recommended use: To prevent unseasoned or machined timber from cracking and checking through moisture loss.

Supplier: Preschem Pty Ltd
ACN: 006 867 929
Street Address: 147-149 Herald Street
Cheltenham 3192
Australia
Telephone: 03 9532 0679 **Telephone (International):** +613 9532 0679
Facsimile: 03 9532 1041 **Fax (International):** +613 9532 1041

Emergency telephone number: **03 5974 2792 OR 0419 900 452**
International emergency number: **+613 5974 2792 OR +613 419 900 452**

2. HAZARDS IDENTIFICATION

This material is not classified as hazardous according to health criteria of NOHSC Australia.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Poisons Schedule (Aust): None Allocated

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Polyethylene glycol	25322-68-3	100%
Total		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin or hair with running water. If irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

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Ingestion: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek immediate medical advice.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Combustible solid. In common with many organic chemicals, may form flammable dust clouds in air. For precautions necessary refer to Safety Data Sheet "Dust Explosion Hazards".

Fire fighting further advice: On burning will emit toxic fumes, including those of oxides of carbon. Fire Fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: Not applicable.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and breathing in dust.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:
No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia). However, Exposure Standard(s) for particulates:

	TWA		STEL		CARCINOGEN	NOTICES
	ppm	mg/m3	ppm	mg/m3	CATEGORY	
Nuisance dust:	-	10	-	-	-	-

As published by the National Occupational Health & Safety Commission (NOHSC Australia).

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

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Preschem

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation of while wearing dust mask. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, GLOVES, SAFETY GLASSES, DUST MASK.

Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AN/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Preschem PEG 4000 – white flakes with mild odour.

Molecular Formula:	$(C_2H_4O)n.H_2O$ (average molecular weight = 4000)
Solubility:	Soluble in water
Specific Gravity (20 °C):	1.217 @20°C
Relative Vapour Density (air=1):	N Av
Vapour Pressure (20 °C):	N Av
Flash Point (°C):	>260
Flammability Limits (%):	N Av
Autoignition Temperature (°C):	N Av
Melting Point/Range (°C):	55 (Pour Point)
Boiling Point/Range (°C):	N Av
pH (5% solution):	4.5 – 7.5
Viscocity:	130-180 cS @99°C

(Typical values only - consult specification sheet)
N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Contact with water will result in the product deteriorating.

Incompatible Materials: Incompatible with oxidising agents.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

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Preschem

Acute Effects

Inhalation: Breathing in dust may result in respiratory irritation.

Skin contact: Contact with skin may result in irritation.

Eye contact: May be a mild eye irritant. Exposure to dust will cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity
Oral LD50 (rat): 50000 mg/kg

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

MARINE TRANSPORT
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Classification: Based on available information, not classified as hazardous according to criteria of NOHSC Australia
Poisons Schedule (Aust): None allocated

This material is listed on the Australian Inventory of Chemical Substances (AICS).

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Preschem

16. OTHER INFORMATION

Literary reference

This Material Safety Data Sheet has been prepared by Preschem Pty Ltd.

Reason(s) For Issue: Revision

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Preschem Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

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Dal-Tile 1934
Prof # 1934

EPAHO11100259

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Keith Walters**

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 # 1934

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Recyclable hydrocarbon mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Unused Zep Dyna 150
Color: colorless **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

J

DB

#1934

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:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Hydrocarbon Mixture
Detailed Description of Process Generating Waste: Unused Zep Dyna 150

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

Color: Colorless **Odor:** Hydrocarbon

Specific Gravity (water=1): .81 **Density:** 7-8 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: Recyclable
Proper U.S. DOT Shipping Name: Recyclable Hydrocarbon Mixture
Class: NA **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
170	NA	0mg/l	0mg/l	0-2%

Oil&Grease	TOC	Zinc	Copper	Nickel
>20000 mg/l	Namg/l	Namg/l	Namg/l	Namg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Zep Dyna 170	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.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 11/14/06

Printed Name/Title: Kenny Nelson

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robbin Layne Date: 11-16-06 (Approved) Rejected Approval Number: 1934	REC

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SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

If 'Yes', complete this section.

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

Metals Subcategory: Subpart A

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

Oils Subcategory: Subpart B

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

Organics Subcategory: Subpart C

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

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

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

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

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

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

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

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DM-F 35

ZEP MANUFACTURING COMPANY
Acuity Specialty Products Group, Inc.
P.O. BOX 2015
ATLANTA, GA 30301
1-877-I-BUY-ZEP

Material Safety Data Sheet
and Safe Handling and Disposal Information

Issue Date	01/05/01
Supersedes	06/14/93
Product Name	ZEP DYNA 170
Product No.	0179

Parts Cleaner

Printing date: 07/21/04

SECTION I - EMERGENCY CONTACTS

For MSDS Information:
Acuity Specialy Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP

For Medical Emergency:
INFOTRAC
(877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency:
CHEMTREC
(800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

SECTION II - HAZARDOUS INGREDIENTS

** HYDROTREATED LIGHT PETROLEUM DISTILLATES ** paraffinic, naphthenic solvent; CAS# 64742-47-8; RTECS# None; Supplier suggested PEL- 100 ppm/ 525 mg/m3; TLV - N/D; EFFECTS - CBL IRR; % IN PROD - > 90

SECTION III - HEALTH HAZARD DATA

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under recommended conditions of use (diluted) so long as prescribed safety precautions are practiced.
ACUTE EFFECTS OF OVEREXPOSURE:
Overexposure to the vapors from this product may produce mucous membrane irritation, particularly of the eye and respiratory tract. Overexposure to vapors may also produce mild central nervous system depression characterized by headache, dizziness, nausea, and stupor, leading to unconsciousness in extreme cases. Introduction of solvents, as in aspiration of vomitus fluid, may produce chemical pneumonia. Existing respiratory disorders and lung diseases may be aggravated by inhalation of vapors.
CHRONIC EFFECTS OF OVEREXPOSURE:
Skin which is repeatedly defatted by contact with this product may be more susceptible to irritation, infection, or dermatitis. None of the hazardous ingredients are listed as carcinogens by IARC, NTP, & OSHA
EST'D PEL/TLV: Not established
PRIMARY ROUTES OF ENTRY: Inh, Skin.
HMIS CODES: HEALTH 1; FLAM 2; REACT 0; PERS. PROTECT B; CHRONIC HAZ NO
FIRST AID PROCEDURES:
SKIN: Wash contaminated skin thoroughly with soap or a mild detergent. Apply a skin cream with lanolin. Get medical attention if irritation persists.
EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Get medical attention at once.
INHALE: If symptoms occur, move affected person to fresh air. If symptoms persist, get medical attention promptly.
INGEST: Aspiration hazard - do not induce vomiting. If vomiting occurs, keep head below hip level. Get emergency medical attention immediately.

SECTION IV - SPECIAL PRECAUTION INFORMATION

PROTECTIVE CLOTHING: Wear neoprene, nitrile, or natural rubber gloves or gloves with proven resistance to the ingredients listed.
EYE PROTECTION: Wear tight-fitting splash-proof safety glasses especially if contact lenses are worn.
RESPIRATORY PROTECTION: When exposure levels exceed PEL/TLV (likely in confined areas) use an organic vapor respirator.
VENTILATION: Provide local exhaust/ventilation as needed to keep concentration of vapors below exposure limits (PEL/TLV).

SECTION V - PHYSICAL DATA

BOILING POINT (F) - 413-458
SPECIFIC GRAVITY - 0.81
VAPOR PRESSURE(mmHg) - 0.05 @ 20C
EVAPORATION RATE (N/D=1) - N/D
VAPOR DENSITY(AIR=1) - N/D
pH(CONCENTRATE) - N/A
SOLUBILITY IN WATER - INSOLUBLE
pH(USE DILUTION OF) - N/A
VOC CONTENT (CONCENTRATE) - 100.0% 6.74 lb/gl
APPERANCE AND ODOR - A water white, oily liquid with a hydrocarbon odor.

SECTION VI - FIRE AND EXPLOSION DATA

FLASH POINT(F) (METHOD USED): 170 TCC
FLAMMABLE LIMITS:LEL: 0.6% UEL: 6.0%
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water fog, and alcohol foam.
SPECIAL FIRE FIGHTING: Wear self-contained positive pres. breathing apparatus.
UNUSUAL FIRE HAZARDS: Fire exposed drums should be cooled with stream of water.

SECTION VII - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY(AVOID): Heat, open flame, spark, and oxidizing agents.
POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: Carbon dioxide, carbon monoxide, and other unidentified organic compounds.

SECTION VIII - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIALS IS RELEASED OR SPILLED:
Immediately eliminate all flame, ignition and high-heat sources. Absorb spill on inert absorbent material. Pick up and place residue in a suitable container for disposal. Wash area thoroughly with a detergent solution and rinse will with water.
WASTE DISPOSAL METHOD:
Liquid wastes are not permitted in landfills. Product is not considered a hazardous waste under RCRA. Unusable liquid may be absorbed on an inert absorbent material, drummed, and taken to a chemical or industrial landfill. Pretreatment may be required before landfilling. Consult local, state and federal agencies for proper disposal in your area.
RCRA HAZ WASTE NOS: N/A

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORING
Combustible! Store and use away from heat, sparks, open flame, or any source of ignition.

SECTION X - REGULATORY INFORMATION

DOT PROPER SHIPPING NAME: INDUSTRIAL CLEANERS N.O.I.,LIQUID KEEP FROM FREEZING
NOTE: DOT information applies to larger package sizes of affected products. For some products, DOT may require alternate names and labeling in accordance with packaging group requirements.
DOT HAZARD CLASS: NA DOT PACKING GROUP:
DOT I.D. NUMBER: DOT LABEL/PLACARD:
EPA TSCA CHEMICAL INVENTORY - ALL INGREDIENTS ARE LISTED
EPA CWA 40CFR PART 117 SUBSTANCE(RQ IN A SINGLE CONTAINER): N/A
EPA CAA: Contains no hazardous air pollutants as defined in Section 112 of the Clean Air Act Amendments of 1990.

MATERIAL SAFETY DATA SHEET

NOTICE

Thank you for your interest in, and use of, this product. Acuity Specialty Products Group is pleased to be of service to you by supplying this Material Safety Data Sheet for your files. Acuity Specialty Products Group is concerned for your health and safety. This product and all others supplied by Acuity Specialty Products Group companies can be used safely with proper protective equipment and proper handling practices consistent with label instructions and the MSDS. Before using any this product, be sure to read the complete label and the Material Safety Data Sheet.

As a further word of caution, Acuity Specialty Products Group wishes to advise that serious accidents have resulted from the misuse of "emptied" containers. "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, or other sources of ignition; they may explode or develop harmful vapors and possibly cause injury or death. Clean empty containers by triple rinsing with water or an appropriate solvent. Empty containers must be sent to a drum reconditioner before reuse.

TERMS AND ABBREVIATIONS
Listed Alphabetically by Section

SECTION II: HAZARDOUS INGREDIENTS

CAR: Carcinogen - A chemical listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA as a definite or possible human cancer causing agent.
CAS#: Chemical Abstract Services Registry Number - A universally accepted numbering system for chemical substances.
CBL: Combustible - At temperatures between 100°F and 200°F chemical gives off enough vapor to ignite if a source of ignition is present as tested with a closed cup tester.
CNS: Central Nervous System depressant that reduces the activity of the brain and spinal cord.
COR: Corrosive - Causes irreversible injury to living tissue (e.g. burns).
DESIGNATIONS: Chemical and common names of hazardous ingredients.
EIR: Eye Irritant Only - Causes reversible reddening and/or inflammation of eye tissues.
EXPOSURE LIMITS: The time weighted average (TWA) airborne concentration at which most workers can be exposed without any expected adverse effects. Primary sources include ACGIH TLVs, and OSHA PELs.
ACGIH: American Conference of Governmental Industrial Hygienists
CEILING: "The concentration that should not be exceeded in the workplace during any part of the working exposure." Source, ACGIH
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit - A set of time weighted average exposure values, established by OSHA, for a normal 8-hour day and a 40-hour workweek.
PPM: Parts per million - unit of measure for exposure limits.
(S) SKIN: Skin contact with substance can contribute to overall exposure.
STEL: Short Term Exposure Limit - Maximum concentration for a continuous 15-minute exposure period.
TLV: Threshold Limit Value - A set of time weighted average exposure limits, established by the ACGIH, for a normal 8-hour day and a 40-hour workweek.
FBL: Flammable - At temperatures under 100°F, chemical gives off enough vapors to ignite if a source of ignition is present as tested with a closed cup tester.
HAZARDOUS INGREDIENTS: Chemical substances that are determined to be potential health or physical hazards based on the criteria established in the OSHA Hazard Communication Standard - 29 CFR 1910.1200
HTX: Highly toxic - the probable lethal dose for a 70 kg (150 lb.) man, which may be approximated as less than 6 teaspoons (2 tablespoons)
IRR: Irritant - Causes reversible effects in living tissues (e.g. inflammation) - primarily skin and eyes.
N/A: Not Applicable - Category is not appropriate for this product.
N/D: Not Determined - Insufficient information to make a determination for this item.
RTECS#: Registry of Toxic Effects of Chemical Substances - an unreviewed listing of published toxicology data on chemical substances.
SARA: Superfund Amendment and Reauthorization Act - Section 313 designates certain chemicals for possible reporting for the Toxic Chemical Release Inventory.
SEN: Sensitizer - Causes allergic reaction after repeated exposure.
TOX: Toxic - The probable lethal dose for a 70 kg (150 kg) man is one ounce (2 tablespoons) or more.

SECTION III: HEALTH HAZARD DATA

ACUTE EFFECT: An adverse effect on the human body from a single exposure with symptoms developing almost immediately after exposure or within a relatively short time.
CHRONIC EFFECT: Adverse effects that are most likely to occur from repeated exposure over a long period of time.
EST'D PEL/TLV: This estimated, time-weighted-average, exposure limit, developed by using a formula provided by the ACGIH, pertains to airborne concentrations from the product as a whole. This value should serve as guide for providing safe workplace conditions to nearly all workers.
HMIS CODES: Hazardous Material Identification System - a rating system developed, by the National Paint and Coating Association for estimating the hazard potential of a chemical under normal workplace conditions. These risk estimates are indicated by a numerical rating given in each of three hazard areas (Health/ Flammability/Reactivity) ranging from a low of zero to a high of 4. The presence of a chronic hazard is indicated by a "YES". Consult HMIS training guides for Personal Protection letter codes, which indicate necessary protective equipment.
PRIMARY ROUTE OF ENTRY: The way one or more hazardous ingredients may enter the body and cause a generalized systemic or specific-organ toxic effect.
ING: Ingestion - A primary route of exposure through swallowing of material.
INH: Inhalation - A primary route of exposure through breathing of vapors.
SKIN: A primary route of exposure through contact with the skin.

SECTION IV: SPECIAL PROTECTION INFORMATION

Where respiratory protection is recommended, use only MSHA and NIOSH approved respirators and dust masks.
MSHA: Mine Safety and Health Administration
NIOSH: National Institute for Occupational Safety and Health.

SECTION V: PHYSICAL DATA

EVAPORATION RATE: Refers to the rate of change from the liquid state to the vapor state at ambient temperature and pressure in comparison to a given substance (e.g. water).
pH: A value representing the acidity or alkalinity of an aqueous solution (Highly Acidic pH = 1; Neutral pH = 7; Highly Alkaline pH = 14)
VOC CONTENT: The percentage or amount in pounds per gallon of the product that is regulated as a Volatile Organic Compound under the Clean Air Act of 1990 and various state jurisdictions.
SOLUBILITY IN WATER: A description of the ability of the product to dissolve in water.

SECTION VII: REACTIVITY DATA

HAZARDOUS DECOMPOSITION: Breakdown products expected to be produced upon product decomposition by extreme heat or fire.
INCOMPATIBILITY: Keep product away from listed substances or conditions to prevent hazardous reactions.
POLYMERIZATION: Indicates the tendency of the product's molecules to combine with themselves in a chemical reaction releasing excess pressure and heat.
STABILITY: Indicates the susceptibility of the product to decompose spontaneously and dangerously.

SECTION VIII: SPILL AND DISPOSAL PROCEDURES

RCRA WASTE NOs: RCRA (Resource Conservation and Recovery Act) waste codes (40 CFR 261) applicable to the disposal of spilled or unusable product from the original container.

SECTION X: TRANSPORTATION DATA

CWA: Clean Water Act - Federal law that regulates chemical releases to bodies of water.
RQ: Reportable Quantity - The amount of the specific ingredient that, when spilled to the ground and, can enter a storm sewer or natural watershed, must be reported to the National Response Center, and other regulatory agencies.
TSCA: Toxic Substances Control Act - A federal law requiring all commercial chemical substances to appear on an inventory maintained by the EPA.

DISCLAIMER

All statements, technical information, and recommendations contained herein are based on available scientific tests or data that we believe to be reliable. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. Acuity Specialty Products Group assumes no liability or responsibility for loss or damage resulting from the improper use or handling of our products, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the product label and Material Safety Data Sheet

(rev 06/02)

Century Asphalt 1901
Proof # 1901

T-34
LAD
8-4-09
3 t

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/9/2006**

Dear **Otis Matthews**

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 # 1901

Generator: Century Asphalt and Materials (Galveston Rd)
Address: 9519 Galveston Rd
Houston, TX 77304

Waste Information

Name of Waste: Recyclable hydrocarbon and water mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Removal of water and fuel oil mixture from containment
Color: dark **Odor:** slight hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

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

1901

SECTION 1: Generator Information

Company:	Century Asphalt Materials		
Address:	9519 Galveston Road		
City, State, Zip:	Houston, TX 77304		
Contact:	Otis Matthews	**Title:**	
Phone No:	713-410-3942	**Fax No:**	713-923-1998
24/hr Phone:	713-410-3942		
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 Hydrocarbon and Water Mixture
Detailed Description of Process Generating Waste: Removal of water and fuel oil mixture from containment

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

Color: Dark **Odor:** Slight Hydrocarbon

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

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

Container Type:	☐ **Drum**	☐ **Tote**	☒ **Truck**	☐ **Other (explain)**
Container Size:	____	____	5000 gal	____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Recyclable Material
Proper U.S. DOT Shipping Name: Non RCRA, Non DOT regulated material
Class: na **UN/NA:** na **PG:** na **RQ:** na

Flash Point >150	**pH** 3-11	**Reactive Sulfides** NAmg/l	**Reactive Cyanides** NAmg/l	**Solids** 0-1%%
Oil&Grease NAmg/l	**TOC** NAmg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

EPAHO111000270

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	98-99	%
Fuel Oil	1-2	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 10-06-06

Printed Name/Title: Otis E. Mathews III Project Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert P. Magda

Date: 11-7-06 (Approved) Rejected

Approval Number: 1901

Additional Information: REC

EPAHO111000271

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

EPAHO111000272

(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.

EPAHO111000273

Goodman Manufacturing 1902
(Firebrick)
Prof# 1902

EPAHO11100274

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/9/2006**

Dear **Jim McCoy**

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 # 1902

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

Waste Information

Name of Waste: Boilout wastewater
TCEQ Waste Code #: 11042051
Container Type:
Detailed Description of Process Generating Waste:
Wastewater from the cleaning of vats used to clean aluminum sheet metal with an alkalir based cleaner prior to magnetic painting operation.
Color: grey **Odor:** none **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

1902

SECTION 1: Generator Information

Company:	Goodman Manufacturing – FURNACE		
Address:	3300 West 11th Street		
City, State, Zip:	Houston, TX 77008		
Contact:	Jim McCoy	**Title:**	EHS Manager
Phone No:	713 263-5327	**Fax No:**	(713) 586-8031
24/hr Phone:	281 212-4756		
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: Boilout wastewater
Detailed Description of Process Generating Waste: wastewater from the cleaning of vats used to clean aluminum sheet metal with an alkaline based cleaner prior to magnetic painting operation

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

Color: grey **Odor:** None

Specific Gravity (water=1): 1.05 **Density:** 8.5 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type:	☐	**Drum**	☐	**Tote**	☒	**Truck**	☐ **Other (explain)**
Container Size:						5,000 gal	

Frequency: ☐ Weekly ☒ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 5 **Other:**
Texas State Waste Code No: 11042051
Proper U.S. DOT Shipping Name: Non DOT, Non RCRA Regulated Wastewater (Subcategory A)
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point >140	**pH** 4-11	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 2-8%
Oil&Grease 20,000mg/l	**TOC** 40,000mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

SECTION 4: Physical and Chemical Data

[redacted]	[redacted]	[redacted]
The waste consists of the following materials	Ranges are acceptable	or %
Water	92-98	%
Lubricating Oil	0-2	%
Solids (salt precipitants)	2-8	%

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.
Environ Sample ID# 51397.01

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:	See Analysis
TCLP Volatiles:	No volatile compounds are part of generating process
TCLP Semi-Volatiles:	No semi-volatile compounds 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 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:** 11/1/06

Printed Name/Title: Jim McCoy/EHS Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Thompson

Date: 11-7-06 Approved Rejected

Approval Number: 1907

Additional Information: OL

EPAHO111000277

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

EPAHO111000278

(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.

EPAHO111000279

ENVIRON EXPRESS LABORATORIES, INC.
401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.0921

CERTIFICATE OF ANALYSIS NO: 51397.01 1of 1

Customer: CES Env. Svcs. Sample ID: Boil-out WW Environ ID: 51397.01
Project ID: Goodman Mnfg. Sampled: 12-07-05
Project Loc: Furnace/Cooling Matrix: Waste Water Received: 12-08-05
Project No: Boil-out WW Type: Composite Reported: 12-16-05

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	12-13-05	16:05
Toluene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	12-13-05	16:05
Ethylbenzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	12-13-05	16:05
Xylenes	< 0.003	mg/l	--	0.003	SW846.8021B	DMB	12-13-05	16:05
Total BTEX	< 0.008	mg/l			SW846.8021B	DMB	12-13-05	16:05
RCI								
Reactive Cyanide	< 50	mg/l	250	50	SW846.7.3.3	JK	12-11-05	19:00
Reactive Sulfide	< 50	mg/l	500	50	SW846.7.3.4	JK	12-11-05	19:00
Corrosivity (Ph)	10.17	su	=>2; =<12.5	--	SW846.9045C	MN	12-09-05	09:00
Ignitability	> 160	°F	> 140	--	SW846.1010	JK	12-16-05	21:00
METALS - TCLP					SW846.1311	MN	12-08-05	
Arsenic	0.08	mg/l	5.00	0.02	SW846.6010B	DCW	12-19-05	16:41
Barium	0.82	mg/l	100	0.02	SW846.6010B	DCW	12-19-05	16:41
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DCW	12-19-05	16:41
Chromium	0.05	mg/l	5.00	0.02	SW846.6010B	DCW	12-19-05	16:41
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	DCW	12-19-05	16:41
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DCW	12-19-05	16:41
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DCW	12-19-05	16:41
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	12-10-05	07:00

Definitions: REG - Regulatory Limit (User Should Confirm) TCLP - Toxicity Characteristic Leaching Procedure
MQL - Method Quantitation Limit su - Standard Units
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller
John Keller, Ph.D
Laboratory Director

EPAHO111000280

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: BTEX	METHOD: EPA SW846/5030/8021B	MATRIX: WATER

ANALYST: dmb	UNITS: mg/l	NO.SAMPLES: 20

SAMPLES:	51352-01	51352-02	51352-03	51352-04	51352-05	51352-06	51352-07	51352-08
	51352-09	51352-10	51352-11	51358-01	51358-02	51358-03	51358-04	51358-05
	51380-01	51380-02	51380-03	51397.01				

MATRIX 51352-07	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%) REC-RANGE	QC LIMITS (%) RPD
BENZENE	0	100	115	115	112	3	104	0	80 - 120	20
TOLUENE	0	100	100	100	100	0	92	0	80 - 120	20
EI-BENZENE	0	100	110	110	92	18	90	0	80 - 120	20
XYLENES	0	300	259	86	83	3	82	0	80 - 120	20
MTBE	0	100	103	103	106	2	86	0	80 - 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

12/17/06
JOHN KELLER, Ph.D DATE
Lab.Dir./QA-QC Mgr.

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: MERCURY	METHOD: EPA SW846/7471A	MATRIX: TCLP Fluid #1

ANALYSTS: MN	DATE: 12.10.05	UNITS: mg/l	NO.SAMPLES: 6

SAMPLES:	51369.01	51388.02	51388.03	51394.01	51396.01	51397.01		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Fluid #1	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF	QC LIMITS RECOV.	QC LIMITS DIFF.
MERCURY	0.00	0.002	0.002	100	94	6	94	0	1	80 - 120	20

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	DCW	DATE:	12-19-05	UNITS:	PPM (mg/l)	NO.SAMPLES:	1

SAMPLES:	51397.01							

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 51398.02

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	99	98	0	99	0	75 - 125	20
Barium	0.00	5	5.03	99	96	1	97	0	75 - 125	20
Cadmium	0.00	5	5.00	100	101	0	101	0	75 - 125	20
Chromium	0.00	5	5.06	103	99	0	99	0	75 - 125	20
Lead	0.00	5	4.99	100	100	1	99	0	75 - 125	20
Selenium	0.00	5	4.77	99	99	2	100	0	75 - 125	20
Silver	0.00	5	5.03	102	101	0	102	0	75 - 125	20

JOHN KELLER, Ph.D
Laboratory Director

CHAIN OF CUSTODY

ENVIRON Expert Laboratories

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0158
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: S. Easton	Invoice To: Same
Company: CES Env. Svcs	Company:
Address: 2904 Crews Rd	Address:
City: Houston State: TX Zip: 77021	City: State: Zip:
Phone: (713) 676-1960	Phone:
Fax: (713) 676-1626	Fax:
e-Mail:	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 (2)

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

Project Name: Goodman MNFG
Project Location: Furnace / Cooling
Project No: Boil-out WW
Sampler (Print): Sandy Easton
Sampler (Sign):

Sampler Remarks:

Remarks & Additional Analysis

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 8 METALS
51397.01	1) Boil-out WW	12/7/05 11:00 AM	WW	C	X		X				X
	2)										
	3)										
	4)										
	5)										
	6)										
	7)										
	8)										
	9)										
	10)										

Relinquished By:	Company:	Date/Time:	Received By:	Company:
[signature]	CES Env	12/8/05 10:5 AM	Ronda Hargrave	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 SD: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.

CE3 # 1902

GENERATOR NOTIFICATION FORM FOR RECYCLING HAZARDOUS OR INDUSTRIAL WASTE

Use this form to comply with requirements found in 30 TAC 335.6 to notify the TCEQ of hazardous or industrial solid waste stream recycling activities by your facility. This form is not appropriate for notification of wastes which you receive and recycle. Receivers should use Form TCEQ-0524.

TCEQ ID: 5 4 1 2 2 **COMPANY NAME:** Goodman Mfg (Furnace)

1. If the material is already on your Notice of Registration (NOR), please indicate the Texas waste code below. If the material is not on your NOR, please add the waste code to your NOR. If you are a large Quantity Generator, please do this using STEERS - State of Texas Environmental Electronic Reporting System. Small quantity generators may either use STEERS or attach Form TCEQ 0002.

WASTE CODE: 1 1 0 4 2 0 5 1

2. Update NOR to reflect any on-site storage of the material to be recycled using either STEERS or Form TCEQ-0002. If the storage unit is already on your facility's NOR, indicate the unit sequence number and do not attach Form TCEQ-0002. If no storage occurs, skip to 3.

UNIT SEQUENCE NUMBER: ☐☐☐ No storage

3. DESCRIBE THE RECYCLING PROCESS

A. Will the material be recycled ☐ On-site ? ☒ Off-site?

B. List on-site units(s) where waste is recycled: _/_/_, _/_/_, _/_/_ N/A

C. Describe the recycling method:

☐ Solvent Recovery	☐ Feedstock/Ingredient	☐ Asphalt Batching
☐ Metals Recovery	☐ Compost*	☐ Alternate Daily Cover
☒ Oil Recovery*	☐ Smelting	☐ Soil Amendment*
☐ Energy Recovery*	☒ Fuel Blending*	☐ Fertilizer*
☐ Catalyst Recovery	☐ Other*	☐ Container Reconditioning*
☐ Acid Regeneration	☐ Road Base*	

D. *Please provide detailed information: (Required for oil recovery, energy recovery, fuel blending, container reconditioning, feedstock/ingredient, compost, road base, soil amendment, fertilizer and other.) Facility breaks emulsion of oil + water w/ use of heat, acid, demulsifiers and centrifuge. Oil is then further processed thru vacuum distillation unit to remove additional water. Wastewater is then treated and discharged to POTW

EPAHO111000285

E. If the material is recycled off-site, please provide the following information:

Receiver's (Recycler's) Name: CES ENV. SVCS
TCEQ ID (if registered): 30900
Telephone Number: (713) 676-1460

Please note that deed recordation as outlined in Title 30 Texas Administrative Code (TAC) Section (§)335.5 is not required for the legitimate reuse/recycling of materials, even if land applied. For additional information on recycling, refer to 30 TAC §335.24 and/or Subchapter H.

Please sign each form submitted or you may submit a cover letter with an original signature. Enclose any other forms you may have completed as part of this notification. Please attach any supplemental information necessary to completely describe the recycling process.

Authorized Representative:
Name: Mark Deweese Telephone Number: (713) 263-5327
Signature: [signature] Date: 11/22/2005

Return this form to: *TCEQ I&H Waste Permits Section, Waste Permits Division, MC130, P.O. Box 13087, Austin, Texas 78711-3087.*

FOR TCEQ USE ONLY

Acknowledgment of Recycling Notification

The TCEQ ***acknowledges*** the receipt of your notification pursuant to the requirements in 30 TAC §335.6. **Please note that this is *not an approval* of your recycling activity/ies.** The requirements for industrial and/or hazardous wastes which are recycled are found at Title 30 TAC Section §335.24. As a reminder, your facility is responsible for insuring that:

- The subject wastes(s) is/are managed in accordance with §335.4 (General Prohibitions) and §26.121 of the Texas Water Code; and
- Should any changes occur or additional information come to light concerning: (A) the composition of the waste(s), (B) the process by which the waste(s) is/are generated, (C) the manner in which the waste(s) is/are managed including recycling) or (D) any other information referenced in §335.6, this information is to be immediately provided to the TCEQ.

Your notification has been forwarded to the Industrial and Hazardous Waste Section of Record Services.

Signed: _____ *Title*: _____
Industrial and Hazardous Waste Permits Section, MC 130 •Waste Permits Div.
Phone (512) 239-6412 • Fax (512) 239-6383

PLEASE NOTE:
A copy of your recycling notification must also be sent to the TCEQ Regional Office listed below. If you have not sent a copy of this notification, you may do so by mailing this to:

TCEQ Region _____, Office of the Waste Program_____
_____
_____ TX _____

(*Print your name, address, and ZIP Code in this box*)
GOODMAN MFG
ATTN: MARK DEWEESE
3300 W. 11TH ST
HOUSTON, TX
77008

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-1902**

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

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

Waste Stream Name: **Boilout wastewater**

Expiration Date: **11/7/2008**

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 ✓

MAX GIBBS
Customer Name

Signature

GOODMAN MFG / FAB SUPERINTENDENT
Company / Title

6/30/09
Date

LABORATORY TEST RESULTS

Job ID : 08120126

Date 12/11/2008

Client Name: CES Environmental Attn: Morgan McCarley

Project Name: 1208-24 / 25 /Goodman Furnace / Houston , TX

Client Sample ID: 1208-25 Boilout W/Water
Date Collected: 12/04/08
Time Collected: 15:15
Other Information: RCI Of Neutralised Sample of Boilout Water 1208-25.

Job Sample ID: 08120126.02
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				12/11/08 11:00	AJ
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.04	5.0		12/10/08 14:38	SS
	Barium	0.066	mg/L	1	0.04	100.0		12/10/08 14:38	SS
	Cadmium	BRL	mg/L	1	0.04	1.0		12/10/08 14:38	SS
	Chromium	BRL	mg/L	1	0.04	5.0		12/10/08 14:38	SS
	Lead	0.047	mg/L	1	0.04	5.0		12/10/08 14:38	SS
	Selenium	BRL	mg/L	1	0.1	1.0		12/10/08 14:38	SS
	Silver	BRL	mg/L	1	0.04	5.0		12/10/08 14:38	SS
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/Kg	1	25			12/10/08 12:00	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	BRL	mg/Kg	1	25			12/10/08 09:00	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.0005	0.2		12/10/08 12:36	TK
SW-846 9045D	Corrosivity, pH								
	pH	9.84	s.u.					12/05/08 15:00	SG

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

Analysis : Corrosivity, pH **Method : SW-846 9045D** **Reporting Units : s.u.**

QC Batch ID : Qb08120526 **Created Date :** 12/05/08 **Created By :** Sgarcia

Samples in This QC Batch : 08120126.01,02

QC Type: Duplicate

QC Sample ID: 08120101.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	7.65	7.66	s.u.	0.13	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	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

Analysis : Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/Kg

QC Batch ID : Qb08120803 **Created Date :** 12/08/08 **Created By :** Dshen

Samples in This QC Batch : 08120126.01

Sample Preparation : PB08120803 **Prep Method :** TX 1005 **Prep Date :** 12/05/08 12:50 **Prep By :** Dshen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
C6-C12		BRL	mg/Kg	1	14.7		
>C12-C28		BRL	mg/Kg	1	18.4		
>C28-C35		BRL	mg/Kg	1	19.1		
Total C6-C35		BRL	mg/Kg	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
C6-C12	500	553	111	500	550	110	0.54	20	75-125	
>C12-C28	500	504	101	500	519	104	2.93	20	75-125	
>C28-C35	500	541	108	500	589	118	8.5	20	75-125	

QC Type: MS and MSD
QC Sample ID: 08120133.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	500	476	92.5						75-125	
>C12-C28	BRL	500	469	91.6						75-125	
>C28-C35	BRL	500	440	86.3						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

Analysis : TCLP Semivolatiles **Method :** SW-846 8270D **Reporting Units :** mg/L

QC Batch ID : Qb08121005 **Created Date :** 12/10/08 **Created By :** Mli

Samples in This QC Batch : 08120126.01

Extraction : PB08120910 **Prep Method :** SW-846 3510C **Prep Date :** 12/09/08 08:00 **Prep By :** Lwang

TCLP Prep : PB08120901 **Prep Method :** SW-846 1311 **Prep Date :** 12/08/08 17:00 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.05		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05		
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25		
Pyridine	110-861	BRL	mg/L	1	0.05		

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
1,4-Dichlorobenzene	0.25	0.181	72.4	0.25	0.18	72	0.55	35	24-134	
2,4,5-Trichlorophenol	0.25	0.215	86	0.25	0.219	87.6	1.84	35	6-115	
2,4,6-Trichlorophenol	0.25	0.166	66.4	0.25	0.162	64.8	2.43	35	4-138	
2,4-Dinitrotoluene	0.25	0.182	72.8	0.25	0.184	73.6	1.09	35	32-114	
2-Methylphenol	0.25	0.177	70.8	0.25	0.175	70	1.13	35	6-132	
3- & 4-Methylphenols	0.5	0.328	65.6	0.5	0.323	64.6	1.53	35	29-132	
Hexachlorobenzene	0.25	0.206	82.4	0.25	0.203	81.2	1.46	35	44-142	
Hexachlorobutadiene	0.25	0.164	65.6	0.25	0.166	66.4	1.21	35	20-124	
Hexachloroethane	0.25	0.164	65.6	0.25	0.166	66.4	1.21	35	14-136	
Nitrobenzene	0.25	0.181	72.4	0.25	0.182	72.8	0.55	35	38-146	
Pentachlorophenol	0.25	0.146	58.4	0.25	0.148	59.2	1.36	35	25-125	
Pyridine	0.25	0.088	35.2	0.25	0.097	38.8	9.73	35	6-112	

QC Type: MS and MSD
QC Sample ID: 08120126.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,4-Dichlorobenzene	BRL	0.25	0.152	60.8						24-134	
2,4,5-Trichlorophenol	BRL	0.25	0.211	84.4						6-115	
2,4,6-Trichlorophenol	BRL	0.25	0.148	59.2						4-138	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

Analysis : TCLP Semivolatiles **Method :** SW-846 8270D **Reporting Units :** mg/L

QC Batch ID : Qb08121005 **Created Date :** 12/10/08 **Created By :** Mli

Samples in This QC Batch : 08120126.01

QC Type: MS and MSD
QC Sample ID: 08120126.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
2,4-Dinitrotoluene	BRL	0.25	0.147	58.8						32-114	
2-Methylphenol	BRL	0.25	0.153	61.2						6-132	
3- & 4-Methylphenols	BRL	0.5	0.281	56.2						29-132	
Hexachlorobenzene	BRL	0.25	0.176	70.4						44-142	
Hexachlorobutadiene	BRL	0.25	0.144	57.6						20-124	
Hexachloroethane	BRL	0.25	0.138	55.2						14-136	
Nitrobenzene	BRL	0.25	0.154	61.6						38-146	
Pentachlorophenol	BRL	0.25	0.147	58.8						25-125	
Pyridine	BRL	0.25	0.063	25.2						6-112	

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

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

QC Batch ID : Qb08121016 **Created Date :** 12/10/08 **Created By :** Pguirguis

Samples in This QC Batch : 08120126.01,02

Digestion :	PB08121009	**Prep Method :**	SW-846 3010A	**Prep Date :**	12/10/08 12:30	**Prep By :**	Pguirguis
TCLP Prep :	PB08120901	**Prep Method :**	SW-846 1311	**Prep Date :**	12/08/08 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	2.17	109	2	2.21	111	1.83	20	80-120	
Barium	2	1.92	96	2	1.97	98.5	2.57	20	80-120	
Cadmium	2	1.96	98	2	2.00	100	2.02	20	80-120	
Chromium	2	2.00	100	2	2.05	103	2.47	20	80-120	
Lead	2	2.07	104	2	2.11	106	1.91	20	80-120	
Selenium	2	2.13	107	2	2.14	107	0.46	20	80-120	
Silver	2	2.11	106	2	2.15	108	1.88	20	80-120	

QC Type: MS and MSD
QC Sample ID: 08120189.01

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	2.09	105						45-138	
Barium	1.71	2	3.51	90						39-135	
Cadmium	BRL	2	1.90	94.5						56-125	
Chromium	BRL	2	1.95	97						52-125	
Lead	BRL	2	2.01	99.2						55-125	
Selenium	BRL	2	2.09	104						70-130	
Silver	BRL	2	2.08	104						26-148	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

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

QC Batch ID : Qb08121017 **Created Date :** 12/10/08 **Created By :** Tkhuc

Samples in This QC Batch : 08120126.01,02

Digestion :	PB08121010	**Prep Method :**	SW-846 7470A	**Prep Date :**	12/10/08 09:00	**Prep By :**	Tkhuc
TCLP Prep :	PB08120901	**Prep Method :**	SW-846 1311	**Prep Date :**	12/08/08 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	0.0053	107	0.005	0.0054	108	1.12	20	71-143	

QC Type: MS and MSD
QC Sample ID: 08120153.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0051	102	0.005	0.0049	97.2	4.43	35	61-175	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

Analysis : Reactive Sulfide **Method : SW-846 7.3** ***Reporting Units : mg/Kg***

QC Batch ID : Qb08121022 **Created Date :** 12/10/08 **Created By :** Ksudha

Samples in This QC Batch : 08120126.01,02

Sample Preparation : PB08121015 **Prep Method :** SW-846 7.3 **Prep Date :** 12/09/08 13:00 **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: 08120126.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	60	60	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	1000	840	84	1000	840	84	0	20	40-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

Analysis : Reactive Cyanide **Method :** SW-846 7.3 **Reporting Units :** mg/Kg

QC Batch ID : Qb08121023 **Created Date :** 12/10/08 **Created By :** Ksudha

Samples in This QC Batch : 08120126.01,02

Sample Preparation : PB08121017 **Prep Method :** SW-846 7.3 **Prep Date :** 12/09/08 15:00 **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: 08120126.01

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	2.47	49.4	5.0	2.39	47.8	3.29	20	40-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

Analysis : TCLP VOC **Method :** SW-846 8260B **Reporting Units :** mg/L

QC Batch ID : Qb08121108 **Created Date :** 12/09/08 **Created By :** Whuimei

Samples in This QC Batch : 08120126.01

Sample Preparation : PB08120933 **Prep Method :** SW-846 5030C **Prep Date :** 12/09/08 14:30 **Prep By :** Whuimei

TCLP Prep : PB08120901 **Prep Method :** SW-846 1311 **Prep Date :** 12/08/08 17:00 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13		
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15		
Benzene	71-43-2	BRL	mg/L	1	0.13		
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13		
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15		
Chloroform	67-66-3	BRL	mg/L	1	0.13		
MEK	78-93-3	BRL	mg/L	1	0.13		
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16		
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13		
Vinyl Chloride	75-01-4	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
1,1-Dichloroethylene	0.5	0.51	102	0.5	0.463	92.6	9.66	25	70-130	
Benzene	0.5	0.484	96.8	0.5	0.501	100	3.45	25	70-130	
Chlorobenzene	0.5	0.469	93.8	0.5	0.471	94.2	0.42	25	70-130	
Tetrachloroethylene	0.5	0.539	108	0.5	0.504	101	6.71	25	70-130	
Trichloroethylene	0.5	0.528	106	0.5	0.522	104	1.14	25	70-130	

QC Type: MS and MSD
QC Sample ID: 08120126.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.5	0.571	114						70-130	
Benzene	BRL	0.5	0.492	98.4						70-130	
Chlorobenzene	BRL	0.5	0.508	102						70-130	
Trichloroethylene	BRL	0.5	0.52	104						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 08120126 **Date :** 12/11/2008

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

QC Batch ID : Qb08121124 **Created Date :** 12/11/08 **Created By :** Sgarcia

Samples in This QC Batch : 08120126.01,02

QC Type: Duplicate

QC Sample ID: 08120126.01

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	

Refer to the Definition page for terms.

A & B Labs 12/5/08 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 # 08120126

5. Project #

1. REPORT TO:		2. INVOICE TO:	
Company:	CES ENVIRONMENTAL	Company:	SAME
Address:	4904 GRIGGS ROAD HOUSTON, TX 77021	Address:	
Contact:	MORGAN MCCARLEY	Contact:	
Phone:	(713) 676-1460	Phone:	
Fax: ☒	(713) 676-1676	Fax: ☐	
E-mail: ☒	mmccarley@cesenvironmental	E-mail: ☐	

3. PO # 1208-24/25

4. Turnaround Time (Business Days)

- ☐ 1 Day* ☐ Other
- ☐ 2 Days*
- ☐ 3 Days* *Surcharge applies
- ☒ 7 Days - Standard

6. Project Name/Location: GOODMAN COOLING / SEAMIST DR. HOUSTON, TX

7. Reporting Requirement:

☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): DUSTIN TACKETT / CES

Sampler's Signature & Date: 12/4

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. Analyses/Methods: TCLP 8 METALS	TCLP VOLATILES	TCLP SEMI-VOLATILES	RCI	TPH	14. Containers*	15. Preservatives**	16. PH-Lab Only	17.	18. REMARKS
01A	1208-24 CLARIFIER WATER	12/4	3:35	X	X	X	X				X		X	X	X	X	X					
02A	1208-25 BOILOUT W/WATER	12/4	3:15	X	X	X			X		X		X			X						RCI OF NEUTRALIZED SAMPLE OF BOILOUT WATER 1208-25

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1	12/5	9:30			
2					
3			21. RECEIVED BY LABORATORY: Cathy Wright	12/5/08	9:30

22. KNOWN HAZARDS/COMMENTS

Temperature: 8.8 °C

Intact: Y or N Initials: DW

*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

EPAHO111000299

Sample Condition Checklist

Date : **12/11/08**

A&B JobID : **08120126**	Date Received : **12/05/2008**	Time Received : **9:30AM**
Client Name : **CES Environmental**		
Temperature : **8.8°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:

When testing the RCI for the sample id 1208-25/ boilout w/water use a neutralizer. Client requested 4 day tat via phone conversation, results moved up due 12/11/08. 12/10/08 SGC

Received by : Dwright

Check in by/date : Dwright / 12/05/2008

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-1902**

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

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

Waste Stream Name: **Boilout wastewater**

Expiration Date: **11/7/2008**

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

MAX GIBBS
Customer Name

Signature

GOODMAN MFG / FAB SUPERINTENDENT
Company / Title

6/30/09
Date

Praxair Tx City steel 1993
Prot # 1903

EPAHO11000302

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/9/2006**

Dear **Rocky McWhorter**

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 # 1903

Generator: Praxair (Texas City-Sterling Chemical Plant)
Address: 703 6th St. South
Texas City, TX 77590

Waste Information

Name of Waste: Used oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Used oil from machinery and equipment
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.

DC

#1903

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:	Praxair - Tx City - Sterling Chemical		
Address:	703 6th Street South		
City, State, Zip:	Texas City, TX 77590		
Contact:	Rocky McWhorter	**Title:**	Plant ~~Engineer~~ Maint. Tech.
Phone No:	409-943-9296	**Fax No:**	
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	NA		
State I.D.	NA	**SIC Code:**	2813

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Used Oil
Detailed Description of Process Generating Waste: used oil from machinery and equipment

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

Color: Brown **Odor:** Oil Like

Specific Gravity (water=1): .90-.95 **Density:** 8 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): 3 **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

EPAHO111000304

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	neutral	0mg/l	0mg/l	0-5%

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 %
Used Motor Oil and Hydraulic Oil	80-100	%
Water	0-20	%
Dirt	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.
Chlor-D-Tect upon arrival

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Rick Hemminger **Date:** 11-3-06

Printed Name/Title: Rick Hemminger

NOV-03-2006 09:31 CES Environmental Service 713 676 1676 P.03

EPAHO111000305

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Ramsden Additional Information: REC

Date: 11-7-06 Approved Rejected

Approval Number: 1903

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

EPAHO111000306

TOTAL P.05

☐ 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.

NOV-03-2006 09:32 CES Environmental Service 713 676 1676 P.05

EPAHO111000307

Goodman Manufacturing (id 1904)
Prof # 1904

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/9/2006**

Dear **Jim McCoy**

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 # 1904

Generator: Goodman Manufacturing (Cooling Plant)
Address: 1501 Seamist Drive
Houston, TX 77008

Waste Information

Name of Waste: Boilout wastewater
TCEQ Waste Code #: 00202051
Container Type:
Detailed Description of Process Generating Waste:
Wastewater from the cleaning of vats used to clean aluminum sheet metal with an alkalir based cleaner prior to magnetic painting operation
Color: grey **Odor:** none **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

1904

SECTION 1: Generator Information

Company:	Goodman Manufacturing – Cooling		
Address:	1501 Seamist Drive		
City, State, Zip:	Houston, TX 77008		
Contact:	Jim McCoy	**Title:**	EHS Manager
Phone No:	713 263-5327	**Fax No:**	(713) 536-8031
24/hr Phone:	281 212-4756		
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: Bollout wastewater
Detailed Description of Process Generating Waste: Wastewater from the cleaning of vats used to clean aluminum sheet metal with an alkaline based cleaner prior to magnetic painting operation

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

Color: grey **Odor:** None

Specific Gravity (water=1): 1.05 **Density:** 8.5 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type:	☐ Drum	☐ Tote	☒ Truck	☐ Other (explain)
Container Size:			6,000 gal	

Frequency: ☐ Weekly ☒ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 6 **Other:**
Texas State Waste Code No: 00202051
Proper U.S. DOT Shipping Name: Non DOT, Non RCRA Regulated Wastewater (Subcategory A)
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point >140	**pH** 4-11	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 2-6%
Oil&Grease 20,000mg/l	**TOC** 40,000mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000310

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Water	92-98	%
Lubricating Oil	0-2	%
Solids (salt precipitants)	2-8	%

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.
Environ Sample ID# 51397.01

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: See Analysis
TCLP Volatiles: No volatile compounds are part of generating process
TCLP Semi-Volatiles: No semi-volatile compounds 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 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:** 11/1/06

Printed Name/Title: Jim McCoy/EHS Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-7-06 Approved Rejected OL

Approval Number: 1904

EPAHO111000311

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.

EPAHO111000313

ENVIRON EXPRESS LABORATORIES, INC.
401 N. 11th. St.
La Porte, TX 77571
281.471.0981 FAX:281.471.6821
Express Laboratories

CERTIFICATE OF ANALYSIS NO: 51397.01 1of 1

Customer: CES Env. Svcs.
Project ID: Goodman Mnfg.
Project Loc: Furnace/Cooling
Project No: Boil-out WW

Sample ID: Boil-out WW
Matrix: Waste Water
Type: Composite

Environ ID: 51397.01
Sampled: 12-07-05
Received: 12-08-05
Reported: 12-19-05

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	12-13-05	16:05
Toluene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	12-13-05	16:05
Ethylbenzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	12-13-05	16:05
Xylenes	< 0.003	mg/l	--	0.003	SW846.8021B	DMB	12-13-05	16:05
Total BTEX	< 0.006	mg/l			SW846.8021B	DMB	12-13-05	16:05
RCI								
Reactive Cyanide	< 50	mg/l	250	50	SW846.7.3.3	JK	12-11-05	19:00
Reactive Sulfide	< 50	mg/l	500	50	SW846.7.3.4	JK	12-11-05	19:00
Corrosivity (Ph)	10.17	su	=>2; =<12.5	--	SW846.9045C	MN	12-09-05	09:00
Ignitability	> 160	°F	> 140	--	SW846.1010	JK	12-18-05	21:00
METALS - TCLP					SW846.1311	MN	12-08-05	
Arsenic	0.06	mg/l	5.00	0.02	SW846.6010B	DCW	12-19-05	16:41
Barium	0.62	mg/l	100	0.02	SW846.6010B	DCW	12-19-05	16:41
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DCW	12-19-05	16:41
Chromium	0.05	mg/l	5.00	0.02	SW846.6010B	DCW	12-19-05	16:41
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	DCW	12-19-05	16:41
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DCW	12-19-05	16:41
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DCW	12-19-05	16:41
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	12-10-05	07:00

Definitions: REG - Regulatory Limit (User Should Confirm) TCLP - Toxicity Characteristic Leaching Procedure
MQL - Method Quantitation Limit ru - Standard Units
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: BTEX	METHOD: EPA SW846/5030/8021B	MATRIX: WATER

ANALYST: dmb	UNITS: mg/l	NO.SAMPLES: 20

SAMPLES:	51352-01	51352-02	51352-03	51352-04	51352-05	51352-06	51352-07	51352-08
	51352-09	51352-10	51352-11	51358-01	51358-02	51358-03	51358-04	51358-05
	51360-01	51360-02	51360-03	51367.01				

MATRIX 51352-07	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%) REC-RANGE	QC LIMITS (%) RPD
BENZENE	0	100	115	115	112	3	104	0	60 - 120	20
TOLUENE	0	100	100	100	100	0	92	0	60 - 120	20
EI-BENZENE	0	100	110	110	92	18	90	0	60 - 120	20
XYLENES	0	300	259	86	83	3	82	0	60 - 120	20
MTBE	0	100	103	103	106	2	86	0	60 - 120	20

KEY:
BTEX - Benzene (BENZ), Toluene (TOL)
Ethylbenzene (ETBZ), Xylenes (XYLE)
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.

12/17/05
DATE

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: MERCURY	METHOD: EPA SW846/7471A	MATRIX: TCLP Fluid #1

ANALYST: MN	DATE: 12.10.05	UNITS: mg/l	NO.SAMPLES: 6

SAMPLES:	51389.01	51389.02	51389.03	51394.01	51395.01	51397.01		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Fluid #1	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF	QC LIMITS RECOV.	QC LIMITS DIFF.
MERCURY	0.00	0.002	0.002	100	94	6	94	0	1	60 - 120	20

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	DCW	DATE:	12-18-05	UNITS:	PPM (mg/l)	NO.SAMPLES:	1

SAMPLES:	51397.01						

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 51396.02

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	99	98	0	98	0	75 - 125	20
Barium	0.00	5	5.03	99	98	1	97	0	75 - 125	20
Cadmium	0.00	5	5.00	100	101	0	101	0	75 - 125	20
Chromium	0.00	5	5.06	103	99	0	98	0	75 - 125	20
Lead	0.00	5	4.99	100	100	1	99	0	75 - 125	20
Selenium	0.00	5	4.77	99	98	2	100	0	75 - 125	20
Silver	0.00	5	5.03	102	101	0	102	0	75 - 125	20

JOHN KELLER, PH.D
Laboratory Director

CHAIN OF CUSTODY

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2309
e-mail: environexp@aol.com

Results To: S. ARSTON	Invoice To: SAME
Company: CES ENV. SVCS	Company:
Address: 4104 GREENS RD	Address:
City: HOUSTON State: TX Zip: 77024	City: State: Zip:
Phone: (713) 676-1860	Phone:
Fax: (713) 676-1826	Fax:
e-Mail:	P.O.#: Quote #:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 (3)

LAB LOT #

DOE Project? 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: GERMAN MNFG

Project Location: FURNACE / CODELL

Project No: BOIL-OUT WW

Sampler (Print): SAM ARSTON

Sampler (Sign):

Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	# Cntr. Type	Number	Volume	# Preservative	MATRIX	(C)OMP / (G)RAB	BTEX (8021)	TPH (TX1005)	ACI	PAH	TOTAL EPA TCLP VOLATILES	SEMI-VOLS	RCRA 8 METALS
51397.01	1) BOILOUT WW	12/7/05 11:00 AM					WW	C	X		X				X
	2)														
	3)														
	4)														
	5)														
	6)														
	7)														
	8)														
	9)														
	10)														

Relinquished By:	Company: CES ENV.	Date/Time: 12/8/05 10:15 AM	Received By: Ronda Hargrove	Company: EEL
Relinquished By:	Company:	Date/Time:	Received By:	Company:
Relinquished By:	Company:	Date/Time:	Received By:	Company:

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

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

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.

CB#1904

GENERATOR NOTIFICATION FORM FOR RECYCLING HAZARDOUS OR INDUSTRIAL WASTE

Use this form to comply with requirements found in 30 TAC 335.6 to notify the TCEQ of hazardous or industrial solid waste stream recycling activities by your facility. This form is not appropriate for notification of wastes which you receive and recycle. Receivers should use Form TCEQ-0524.

TCEQ ID: 3 3 4 3 2 **COMPANY NAME:** Goodman Mfg (cooling)

1. If the material is already on your Notice of Registration (NOR), please indicate the Texas waste code below. If the material is not on your NOR, please add the waste code to your NOR. If you are a large Quantity Generator, please do this using STEERS - State of Texas Environmental Electronic Reporting System. Small quantity generators may either use STEERS or attach Form TCEQ 0002.

WASTE CODE: 0 0 2 0 2 0 5 1

2. Update NOR to reflect any on-site storage of the material to be recycled using either STEERS or Form TCEQ-0002. If the storage unit is already on your facility's NOR, indicate the unit sequence number and do not attach Form TCEQ-0002. If no storage occurs, skip to 3.

UNIT SEQUENCE NUMBER: ☐☐☐ NO STORAGE

3. DESCRIBE THE RECYCLING PROCESS

A. Will the material be recycled ☐ On-site ? ☒ Off-site?

B. List on-site units(s) where waste is recycled: _/_/_, _/_/_, _/_/_ N/A

C. Describe the recycling method:

☐ Solvent Recovery	☐ Feedstock/Ingredient	☐ Asphalt Batching
☐ Metals Recovery	☐ Compost*	☐ Alternate Daily Cover
☒ Oil Recovery*	☐ Smelting	☐ Soil Amendment*
☐ Energy Recovery*	☒ Fuel Blending*	☐ Fertilizer*
☐ Catalyst Recovery	☐ Other*	☐ Container Reconditioning*
☐ Acid Regeneration	☐ Road Base*	

D. *Please provide detailed information: (Required for oil recovery, energy recovery, fuel blending, container reconditioning, feedstock/ingredient, compost, road base, soil amendment, fertilizer and other.) Facility breaks emulsion of oil + water w/ use of heat, acid, demulsifiers and centrifuge. Oil is then further processed thru vacuum distillation unit to remove additional water. Wastewater is then treated and discharged to POTW

E. If the material is recycled off-site, please provide the following information:

Receiver's (Recycler's) Name: CES ENV. SVCS
TCEQ ID (if registered): 30900
Telephone Number: (713) 676-1460

Please note that deed recordation as outlined in Title 30 Texas Administrative Code (TAC) Section (§)335.5 is not required for the legitimate reuse/recycling of materials, even if land applied. For additional information on recycling, refer to 30 TAC §335.24 and/or Subchapter H.

Please sign each form submitted or you may submit a cover letter with an original signature. Enclose any other forms you may have completed as part of this notification. Please attach any supplemental information necessary to completely describe the recycling process.

Authorized Representative:
Name: Mark Deneese Telephone Number: (713) 263-5327
Signature: Date: 11/22/2005

Return this form to: *TCEQ I&H Waste Permits Section, Waste Permits Division, MC130, P.O. Box 13087, Austin, Texas 78711-3087.*

FOR TCEQ USE ONLY

Acknowledgment of Recycling Notification

The TCEQ ***acknowledges*** the receipt of your notification pursuant to the requirements in 30 TAC §335.6. **Please note that this is *not an approval* of your recycling activity/ies.** The requirements for industrial and/or hazardous wastes which are recycled are found at Title 30 TAC Section §335.24. As a reminder, your facility is responsible for insuring that:

- The subject wastes(s) is/are managed in accordance with §335.4 (General Prohibitions) and §26.121 of the Texas Water Code; and
- Should any changes occur or additional information come to light concerning: (A) the composition of the waste(s), (B) the process by which the waste(s) is/are generated, (C) the manner in which the waste(s) is/are managed including recycling) or (D) any other information referenced in §335.6, this information is to be immediately provided to the TCEQ.

Your notification has been forwarded to the Industrial and Hazardous Waste Section of Record Services.

Signed: _____ *Title:* _____
Industrial and Hazardous Waste Permits Section, MC 130 •Waste Permits Div.
Phone (512) 239-6412 • Fax (512) 239-6383

PLEASE NOTE:
A copy of your recycling notification must also be sent to the TCEQ Regional Office listed below. If you have not sent a copy of this notification, you may do so by mailing this to:

TCEQ Region _____, Office of the Waste Program_____
_____
_____ TX _____

(*Print your name, address, and ZIP Code in this box*)
GOODMAN MFG
ATTN: MARK DENEESE
3300 W 11TH ST
HOUSTON, TX
77008

Forged vessel Connect 1905
Prof # 1905

EPAHO11100321

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/9/2006**

Dear **Robert Holcolm**

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 # 1905

Generator: Forged Vessel Connections, Inc.
Address: 2525 De Soto Ave.
Houston, TX 77091

Waste Information

Name of Waste: Fluorscent Bulbs
TCEQ Waste Code #: UNIV320H
Container Type: Box
Detailed Description of Process Generating Waste:
Burned out bulbs
Color: white **Odor:** none **pH:** neutral
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1905

SECTION 1: Generator Information

Company:	Forged Vessel Connections		
Address:	2525 Desoto Ave.		
City, State, Zip:	Houston, TX 77091		
Contact:	Cary Pieczynski	Title:	EHS Mgr.
Phone No:	713-337-2328 or 713-688-9705	Fax No:	713-688-7954
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD070881560		
State I.D.	90266	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: Fluorscent Bulbs
Detailed Description of Process Generating Waste: Burned Out Bulbs

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

Color: White Odor: none

Specific Gravity (water=1): .95-1.0 Density: 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

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

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 2 boxes of 50 Plus Bulbs Other:
Texas State Waste Code No: UNIV320H (Recycle)
Proper U.S. DOT Shipping Name: Environmentally hazardous substances, solid, n.o.s., 9, UN 3077, PG-III
Class: 9 UN/NA: UN 3077 PG: III RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	neutral	0mg/l	0mg/l	100%

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

EPAHO111000323

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Fluorscent Bulbs	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: Cary D. Pieczynski Date: 11/8/06

Printed Name/Title: Cary D. Pieczynski HSE / Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert A Thompson Additional Information:

Date: 11-9-06 Approved Rejected UNIV

Approval Number: 1905

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

EPAHO111000325

(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.

EPAHO111000326

JR/GB

CES Environmental Services, Inc.

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

Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-1905**

Customer: **Forged Vessel Connections, Inc.** Cary

Waste Generator: **Forged Vessel Connections, Inc.**

Waste Stream Name: **Fluorscent Bulbs**

Expiration Date: **11/9/2008**

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.
- [x] 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

Forged Vessel Connections
Customer Name

Cary Prein
Signature

HSE Coordinator
Company / Title

11/24/08
Date

Amico - Klemp 1906
Prof# 1906

EPAHO11100328

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/13/2006**

Dear **Robby Meriovsky**

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

CES Profile # 1906

Generator: Amico-Klemp
Address: CR 606
Dayton, TX 77535

Waste Information

Name of Waste: Mil slag and hydraulic oil
TCEQ Waste Code #: CESQ3191
Container Type:
Detailed Description of Process Generating Waste:
Mill slag contaminated with hydraulic oil from metal press from making metal (carbon steel) grating
Color: black **Odor:** none **pH:** 7
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

1906

Need TCLP metals, BTEX

SECTION 1: Generator Information

Company:	Amico Klemp		
Address:	Klemp Road		
City, State, Zip:	Dayton, Texas 77535		
Contact:	Sean Femme	**Title:**	Ops Manager
Phone No:	936-258-5521	**Fax No:**	936-257-0980
24/hr Phone:	same		
U.S. EPA I.D. No:	~~None~~ TXCES86		
State I.D.	~~none~~ CES86	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston,TX 77029		
Contact:	Robby Mersiovsky	**Title:**	Sales
Phone No:	713-882-7740	**Fax No:**	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: mill slag and hyd oil
Detailed Description of Process Generating Waste: mill slag contaminated with hyd oil oil from metal press from making metal (carbon steel) grating.

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

Color: Blk **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 gal	____		____		____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 4 **Other:** ____
Texas State Waste Code No: ~~CES86~~ CESQ3191
Proper U.S. DOT Shipping Name: NON-RCRA, NON-DOT Oily Mill Slag
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point >200	**pH** 7	**Reactive Sulfides** 0 mg/l	**Reactive Cyanides** 0 mg/l	**Solids** 100%
Oil&Grease >15% mg/l	**TOC** NA mg/l	**Zinc** 0 mg/l	**Copper** 0 mg/l	**Nickel** 0 mg/l

EPAHO111000330

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Mill SlAG	90 %	
Hyd Oil	10 %	

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.
Sample - Analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
— NONE

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Sean Fenner Date: 11-13-06

Printed Name/Title: Sean Fenner

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information:

Date: 11-13-06 Approved Rejected ~~05~~ 15

Approval Number: 1906

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5021

CERTIFICATE NO: 61148.01 1of 1

Customer: Select Env. Sample ID: Amico Klemp Environ ID: 61148.01
Project ID: Amico Klemp/Mill Slag Sampled: 10-31-06
Project Loc: Dayton, TX Matrix: Solid Received: 11-01-06
Charge/P.O.: Type: Grab Reported: 11-06-06

ANALYTE/ PARAMETER	RESULT	UNITS	REG. LIMIT	DET. LIMIT	TEST METHOD	TEST BY	DATE	TIME
BTEX - TOTAL								
Benzene	< 0.001	mg/kg	--	0.001	EPA SW846.8021B	DMB	11-02-06	14:24
Toluene	< 0.001	mg/kg	--	0.001	EPA SW846.8021B	DMB	11-02-06	14:24
Ethylbenzene	< 0.001	mg/kg	--	0.001	EPA SW846.8021B	DMB	11-02-06	14:24
Xylenes	< 0.003	mg/kg	--	0.003	EPA SW846.8021B	DMB	11-02-06	14:24
Total BTEX	< 0.006	mg/kg	--		EPA SW846.8021B	DMB	11-02-06	14:24
METALS					SW846.1311	MN	11-01-06	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	11-03-06	16:45
Barium	1.70	mg/l	100	0.02	SW846.6010B	JK	11-03-06	16:45
Cadmium	0.02	mg/l	1.00	0.02	SW846.6010B	JK	11-03-06	16:45
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	11-03-06	16:45
Lead	0.03	mg/l	5.00	0.02	SW846.6010B	JK	11-03-06	16:45
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	11-03-06	16:45
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	JK	11-03-06	16:45
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	11-03-06	09:00

Key:
REG - Regulatory Limit (User Should Verify)
DET - Detection Limit
TCLP - Toxicity Characteristic Leaching Procedure
mg/l - PPM by Volume
mg/kg - PPM by Weight
SU - Standard Units
mg - milligrams
kg - kilograms
l - Liter

John Keller
John Keller, Ph.D
Laboratory Director

EPAHO111000332

CHAIN OF CUSTODY

ENVIRON Express Laboratories

Page ___ of ___

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Project Name:	Amico Klemp Mill Slag
Project Location:	Dayton, TX.
Project No:	
Sampler (Print):	Robby Mersiovsky
Sampler (Sign):	
Sampler Remarks:	

Results To:	Robby Mersiovsky
Company:	Select Environmental
Address:	223 McCarty
City / State / Zip:	Houston TX. 7702[illegible]
Phone:	713 882-7740
Fax:	713 672-4530
e-Mail:	robbym@orpp.com

Invoice To:	SAME
Company:	
Address:	
City / State / Zip:	
Phone:	
Fax:	
PO#:	Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 (5)

LAB LOT #	COC Present? (Yes) No
Shipment Sealed? (Yes) No	Samples Sealed? (Yes) No
Received on Ice? Yes (No)	Samples Intact? (Yes) No
Cooler Temp. (°C) [illegible]	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

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	# Cntr. Type	Number	Volume	[3] Preservative	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	VOLATILES	SEMI-VOLS	RCRA 8 METALS
					P	1	32g	3							TOTAL EPA/TCLP
61148.01	1) Amico Klemp	10/31/06 3:38 PM	SO	G					X						X
	2)														
	3)														
	4)														
	5)														
	6)														
	7)														
	8)														
	9)														
	10)														

Relinquished By:	Company:	Date/Time:	Received By:	Company:	
[illegible]	Select Enviro.	11/01/06 1317	Julio Almaguer	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

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

11-6-06;11:31AM;Environ ;2814715821 # 3/3
EPAHO11000333

Houston Distributing Co. 1907
Prof # 1907

EPAHO11100334

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/13/2006**

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 # 1907

Generator: Houston Distributing Company
Address: 7400 High Life Drive
Houston, TX 77066

Waste Information

Name of Waste: Sodium hydroxide solution.
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Unused cleaning product from trucking facility
Color: colorless to white **Odor:** none **pH:** >12.5
Physical State:
Incompatibilities: Water, acids, flammable liquids, organic halogens, metals such as aluminum, tin, and zinc, nitromethane
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

#1907

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 Distributing Company		
Address:	7100 High Life Drive		
City, State, Zip:	Houston, TX 77066		
Contact:	Jim Garland	**Title:**	VP of Operations
Phone No:	281-583-4834	**Fax No:**	281-583-2758
24/hr Phone:			
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Houston Distributing Company		
Address:	P.O. Box 691368		
City, State, Zip:	Houston, TX 77269-1368		
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Sodium Hydroxide solution, ~~8, UN1824, II~~
Detailed Description of Process Generating Waste: Unused cleaning product form trucking facility

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

Color: colorless to whtie **Odor:** none

Specific Gravity (water=1): ~~1-2.13~~ 1-1.3 **Density:** 8.34 lbs/gal

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

Container Type:	☒ **Drum**	☐ **Tote**	☐ **Truck**	☐ **Other (explain)**
Container Size:	40 gal			

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

Number of Units (containers): 1 **Other:**

Texas State Waste Code No: ~~CESQ1191~~ PRODUCT

Proper U.S. DOT Shipping Name: Sodium hydroxide solution

Class: 8 **UN/NA:** UN1824 **PG:** II **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	>12.5	0mg/l	0mg/l	0-2%

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

EPAHO111000336

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Sodium Hydroxide	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):
water, acids, flammable liquids, organic halogens, metals such as aluminum, tin, and zinc, nitromethane

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: Jim Garland Date: 11/10/06

Printed Name/Title: JIM GARLAND VP's

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Robert Mayhew Date: 11-13-06 Approved Rejected Approval Number: 1907	PRODUCT

EPAHO111000337

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

EPAHO111000338

(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.

EPAHO111000339

Houston Distributing Co 1908
Prof # 1908

EPAHO11100340

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/13/2006**

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 # 1908

Generator: Houston Distributing Company
Address: 7400 High Life Drive
Houston, TX 77066

Waste Information

Name of Waste: Neutralized unused cleaning products
TCEQ Waste Code #: CESQ1191
Container Type:
Detailed Description of Process Generating Waste:
Unused cleaning products from trucking facility
Color: varies **Odor:** none **pH:** 8-12.5
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

#1908

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 Distributing Company		
Address:	7100 High Life Drive		
City, State, Zip:	Houston, TX 77066		
Contact:	Jim Garland	**Title:**	VP of Operations
Phone No:	281-583-4834	**Fax No:**	281-583-2758
24/hr Phone:			
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Houston Distributing Company		
Address:	P.O. Box 691368		
City, State, Zip:	Houston, TX 77269-1368		
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Neutralized unused cleaning products
Detailed Description of Process Generating Waste: Unused cleaning products form trucking facility

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

Color: varies **Odor:** none

Specific Gravity (water=1): .95-1 **Density:** 8.34 lbs/gal

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

Container Type:	☐	**Drum**	☒	**Tote**	☐ **Truck**	☐	**Other (explain)**
Container Size:		____		300 gal	____		____

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☒ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: CESQ1191
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** 8-12.5	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0-2%
Oil&Grease 0mg/l	**TOC** 0mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000342

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Citrus Acid Cleaner	0-15	%
Caustic Cleaners	10-65	%
Wax cleaner	0-2	%
Water	0-25	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Jim Barkley **Date:** 11/10/06

Printed Name/Title: JIM BARKLEY V.P. OPS

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Robert Mayer Date: 11-13-06 Approved Rejected Approval Number: 1908	IL

EPAHO111000343

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

EPAHO111000344

(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.

EPAHO111000345

TBC Brinadd (Blue Ridge)
Prof # 1909

EPAHO11100346

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/14/2006**

Dear **Zac or Dave**

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

CES Profile # 1909

Generator: TBC Brinadd (Blue Ridge)
Address: 5035 McHard Rd
Blue Ridge, TX 77056

Waste Information

Name of Waste: Unused Lubetex and rinse water
TCEQ Waste Code #: CESQ2191
Container Type:
Detailed Description of Process Generating Waste:
Unused Lubtex and rinse water from cleaning out an 18,000 gallon product storage tank
Color: gray to white **Odor:** none **pH:** 4-8
Physical State:
Incompatibilities: strong oxidizers
Safety Related Data/Special Handling:
Level D PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

#1909

SECTION 1: Generator Information

Company:	TBC Binadd		
Address:	5035 Mchard Rd		
City, State, Zip:	Blue Ridge, TX 77056		
Contact:	Rick	Title:	Manager
Phone No:	713-664-4911	Fax No:	CKG 936-483-3674
24/hr Phone:	713-664-4911		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	SIC Code:	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	CKG Services		
Address:	10707 Honea Rd		
City, State, Zip:	Montgomery, TX 77316		
Contact:	Zac McKaughan	Title:	Agent for TBC Brinadd
Phone No:	936-447-3628	Fax No:	936-588-0386

SECTION 3: General Description of the Waste

Name of Waste: Unused Lubetex and rinse water
Detailed Description of Process Generating Waste: Unused Lubex and rinse water from cleaning out an 18,000 gallon product storage tank.

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

Color: Gray to White Odor: None

Specific Gravity (water=1): .9-1.2 Density: 8.34 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☐	Drum	☒	Tote	☐	Truck	☐ Other (explain)
Container Size:		____		2- 500 g		____	____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 2 Other: ____
Texas State Waste Code No: CESQ2191
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Water
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH 4-8	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0-3%
Oil&Grease >1500mg/l	TOC Namg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

1

EPAHO111000348

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Lubex	10-35	%
Water	65-90	%

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):
Strong Oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 11/13/06

Printed Name/Title: Lee McLaughlin

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Naylor

Date: 11-14-06 Approved Rejected

Approval Number: 1909

Process Facility Information:

OL

EPAHO111000349

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

EPAHO111000350

(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.

EPAHO111000351

CKG SERVICES, LLC.

OFFICE: 936-483-3662

FAX: 936-483-3674

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Dan	Zac
COMPANY:	DATE:
CES Environmental	11/13
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
713-676-1676	4
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:
MSDS for Wed. Pick Up	

☐ URGENT ☑ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS

Dan,

Here is the MSDS for the Blue Ridge job on Wednesday. The contact for this is Rick, phone # (b) (6) (b) The address for the job is (b) (6) If you have any questions or concerns please feel free to contact me. 281-541-4829.

Thank you,

Zac

(b) (6)

(b) (6)

10707 HONEA EGYPT ROAD MAGNOLIA, TX 77354

TBC-BRINADD

A DIVISION OF TEXAS UNITED CHEMICAL CO., LLC

4800 San Felipe
Houston, TX 77056
www.tbc-brinadd.com

MATERIAL SAFETY DATA SHEET

Product: Lubetex **Revision: 3**

Product Code: 6540/6541 **Issue Date: 5/21/03**

U.S. DEPARTMENT OF LABOR, Occupational Safety and Health Administration Form Approved OMB No. 1218-0072, may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

SECTION I - PRODUCT IDENTITY

(As used on label and list)

LUBETEX

Soy Bean Oil

CAS # 25265-77-4
CAS # Proprietary component
Fatty Oil and Surfactant Blend

EMERGENCY TELEPHONE NUMBER: (713) 664-4911
INFORMATION TELEPHONE NUMBER: (713) 877-2769

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specify Identity):

Ester Alcohol Acid

Common Name	OSHA PEL	ACGIH TLV	OTHER RECOMMENDED LIMITS	(% approx.)
2,2,4-trimethyl-1, 3-pentadiol monoisobutyrate	None established	None established	Not applicable	30 - 50 %
*Proprietary component	None established	None established	Not applicable	30 - 50 %

*All components are listed on TSCA

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 225° F

Specific Gravity (H2O = 1): 0.93

Vapor Pressure (mm Hg.): 1 @ 190

Melting Point: 45 ° F

Vapor Density (AIR = 1): 7.45

Evaporation Rate (Butyl Acetate = 1): 0.002

Appearance and Odor: Amber liquid with bland odor

Solubility in Water: Moderate

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >200 ° F (COC)

Flammable Limits:

LEL: 0.6 (300°F)
UEL: 4.2% (394°F)

Extinguishing Media: Water spray, dry chemical, CO2 or foam

Special Fire Fighting Procedures:
Self-contained breathing apparatus with full face in positive pressure mode. Treat as an oil fire. Use water with caution.

Unusual Fire and Explosion Hazards:
Never use welding torch on or near drum (even empty) product or residue can ignite explosively.

SECTION V - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition or By-products: Oxides of carbon and sulfur (combustion only)

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: None Known

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry & Hazards:

Eye Yes - May cause transient irritation and redness.

EPAHO111000354

Inhalation Yes - This material is not expected to be acutely toxic by inhalation. The effects of prolonged inhalation of this product are not known.

Skin Yes - Not expected to be a primary skin irritant or toxic by skin contact. However, prolonged contact or poor industrial hygiene practices may cause mild skin irritation.

Ingestion Yes - The oral toxicity and effects of ingestion of this product are not known. However, in normal industrial use, ingestion is not a probable route of exposure.

Carcinogenicity:

NTP	Not listed
IARC Monographs	Not listed
OSHA Regulated	Not listed

Medical Conditions Generally Aggravated by Exposure: No Information

Emergency and First Aid Procedures:

Ingestion:
If conscious, immediately rinse mouth. Get immediate medical attention. Never give anything by mouth to an unconscious person.

Inhalation:
Remove to fresh air. Get medical attention if symptoms persist.

Skin Contact:
Wash with soap and water. Remove contaminated clothes, wash before reusing. Get medical attention if symptoms occur.

Eye Contact:
Immediately flush with water. Hold eyelids apart and flush eyes with water for at least 15 minutes. Get medical attention if irritation occurs.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:

Small spills; use absorbent to collect liquids. Large spills; flush area with water. Prevent run-off from entering drains, sewers or streams.

Waste Disposal Method: In accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing:

Spontaneous heating may occur in rags, insulation or trash soaked with this material.

Other Procedures: Wash clothes before reusing.

SECTION VIII - CONTROL MEASURES

Respiratory Protection:
Normally not required. If engineering controls do not maintain airborne concentrations below acceptable levels, then appropriate (mist, OV) NIOSH/MSHA approved respiratory protection should be worn.

EPAHO111000355

Ventilation:
Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc.

Protective Gloves: Rubber or Neoprene. Wear additional protective clothing as appropriate to protect skin.
Eye Protection: Safety Glasses or Chemical Safety Goggles.

Other Protective Clothing or Equipment: Eyewash and safety shower facilities.

SECTION IX - REGULATORY INFORMATION

All Components on TSCA Inventory:	Yes
DOT Shipping Name:	Not Regulated
DOT Hazard Class:	Not Regulated
DOT Labels:	None
UN Number:	None
DOT Marine Pollutant:	Not Listed
Ozone Depleting Substance:	Not Listed
HMIS Code:	Health: 1 Fire: 1 Reactivity: 0
Schedule B Number:	1518.00.0000

SECTION X - REVISIONS

June 19, 1998	1.) Addition of Revision Section. 2.) Addition of Disclaimer. 3.) Changed flash point.
September 10,1998	1.) Included additional First Aid information in SECTION VI. 2.) Edited SECTION VIII.
May 21, 2003 Rev 3	1.) Updated SECTION VI Health Hazard Data 2.) Updated SECTION VIII Control Measures

DISCLAIMER: The information herein is given in good faith but no warranty, expressed or implied, is made.

EPAHO111000356

Ivy Steel and Wire 1910
Prof# 1910

EPAHO111000357

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/14/2006**

Dear **Poppy Zapata or Sergio**

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 # 1910

Generator: Ivy Steel and Wire
Address: 1520 Lathrop Drive
Houston, TX 77220

Waste Information

Name of Waste: TPH contaminated absorbent
TCEQ Waste Code #: CESQ3101
Container Type: yd box
Detailed Description of Process Generating Waste:
Absorbent material placed under equipment to absorb oil spills and leaks
Color: grey **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.

1910

CES Environmental Services, Inc.

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

GB

SECTION 1: Generator Information

Company:	Ivy Steel & Wire		
Address:	12800 Aldine Westfield		
City, State, Zip:	Houston, TX 77039		
Contact:	Scott Gipson	**Title:**	Plant Mgr.
Phone No:	281-227-2300	**Fax No:**	
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TX CESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: TPH Contaminated Absorbent
Detailed Description of Process Generating Waste: Absorbent material placed under equipment to absorb oil spills and leaks

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

Color: Grey **Odor:** oil like

Specific Gravity (water=1): 1.2 **Density:** 12 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: ____ ____ ____ Yd Sack

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☒ Yearly
Number of Units (containers): 4 **Other:** ____
Texas State Waste Code No: CESQ3101
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >150	**pH** neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 100%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Clay Absorbents	80-99	%
Rags	0-5	%
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

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: _____ **Date:** 11/14/06

Printed Name/Title: Scott Gipson Plant Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ **Additional Information:** _____

Date: 11-14-06 Approved Rejected _____ IS

Approval Number: 1910 _____

EPAHO111000360

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6110032
Client Sample ID: TPH Absorbent
Extended ID: Ivy Steel - Aldine Westfield

Sample Collect Date: 11/1/2006 @ 11:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 11/1/2006 @ 1:45:00 PM

Test Group / Method

TCLP Metals (6) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	11/7/2006 / 1:52 AM
Barium	0.0005	100	**0.928**	mg/L	11/7/2006 / 1:52 AM
Cadmium	0.002	1	**0.002**	mg/L	11/7/2006 / 1:52 AM
Chromium	0.002	5	**0.032**	mg/L	11/7/2006 / 1:52 AM
Lead	0.005	5	**0.019**	mg/L	11/7/2006 / 1:52 AM
Selenium	0.024	1	**0.052**	mg/L	11/7/2006 / 1:52 AM
Silver	0.002	5	< 0.002	mg/L	11/7/2006 / 1:52 AM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	11/6/2006 / 10:16 PM

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

Holland D. Gilmore, Laboratory Director

Wednesday, November 08, 2006
Date

EPAHO111000363

6110032

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: _____
Holland D. Gilmore / Laboratory Director

November 8, 2006

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 ENV

COMPANY ADDRESS:

CITY _____ STATE _____ ZIP _____

CONTACT PERSON'S NAME: Gary Brauchman

CONTACT PERSON'S PHONE: 713-417-5737 FAX #:

2

YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
IVY Steel - Aldine	Vil Gary	Ivy Steel - Aldine Westfield

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP (8) metals	NUMBER OF CONTAINERS	PRESERVATIONS
TPH Absorbent	C	11-1-06	11:00 pm	S	✓	✓	None

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.

Onice

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
a. Gary Brauchman [signature]	[signature]	11-1-06	1:45	Mandy Dm

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 Dm	11/1	1345

8

Sample Remainder Disposal

☐ Return Sample Remainder To Client Via _____

☑ I Request Lab To Dispose Of All Sample Remainders

(Signature) _____ (Date) _____

Form # MES - CCR

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

Port Terminal Railroad 1911
Prof # 1911

EPAHO11100366

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/15/2006**

Dear **Mike Rusk**

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 # 1911

Generator: Port Terminal Railroad
Address: 7299 Clinton Drive
Houston, TX 77011

Waste Information

Name of Waste: Gasoline and water mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Removal of gasoline and water from containment basin
Color: clear **Odor:** hydrocarbon **pH:** 3-11
Physical State:
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: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	Port Terminal Rail Road		
Address:	7299 Clinton Drive		
City, State, Zip:	Houston, TX 77011		
Contact:	Mike Rusk	**Title:**	
Phone No:	713-408-2427	**Fax No:**	
24/hr Phone:	713-408-2427		
U.S. EPA I.D. No:	N/A		
State I.D.	N/A	**SIC Code:**	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	McCarty St		
City, State, Zip:	Houston, TX		
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Gas & Water Mixture
Detailed Description of Process Generating Waste: Removal of gas and water from containment basin

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

Color: Clear **Odor:** Hydrocarbon

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

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

Container Type:	☐	**Drum**	☐	**Tote**	☒	**Truck**	☐ **Other (explain)**
Container Size:		____		____		2000	____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Recyclable hydrocarbon and water mixture
Class: na **UN/NA:** na **PG:** na **RQ:** na

Flash Point >150	**pH** 3-11	**Reactive Sulfides** N/Amg/l	**Reactive Cyanides** N/Amg/l	**Solids** 0-1%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO111000368

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	98-99	%
Gasoline	1-2	%
Dirt, Sand	0.5-1	%

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.
None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: N/A **Date:** 11-15-06

Printed Name/Title: N/A per Matt Bowman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Barbara Rayda Date: 11-15-06 Approved Rejected Approval Number: 1911	

EPAHO111000369

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

EPAHO111000370

(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.

EPAHO111000371

APV Products / system 1912
Prof # 1912

EPAHO11100372

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/16/2006**

Dear **Carl Buscemi**

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 # 1912

Generator: APV Products/Systems
Address: 1101 A Pleasantville
Houston, TX 77029

Waste Information

Name of Waste: Process rinse water and sludge
TCEQ Waste Code #: 00035191
Container Type:
Detailed Description of Process Generating Waste:
Pressure washing of dirt and other oil debris from frame heat exchangers prior to cleanin; chemically
Color: brown **Odor:** none **pH:** 8-12.5
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

4904 Griggs Road **Houston, TX 77021**
Phone: (713) 676-1460 **Fax: (713) 676-1676**
http://www.cesenvironmental.com

#1912

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

SECTION 1: Generator Information

Company:	APV		
Address:	1101 A Pleasantville		
City, State, Zip:	Houston, TX 77029		
Contact:	Carl Buscemi	**Title:**	Manager
Phone No:	713-673-2525 Ext. 10	**Fax No:**	713-673-1199
24/hr Phone:	713-863-9665		
U.S. EPA I.D. No:	TXR000050468		
State I.D.	87100	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	APV Products/Systems Attn: Accounts Payable		
Address:	33 Commercial Street Mailstop B52-1G		
City, State, Zip:	Foxboro, MA 02035		
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Process Rinse water and sludge
Detailed Description of Process Generating Waste: pressure washing of dirt and other oil debris from ~~pute and~~ frame heat exchangers prior to cleaning chemically

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

Color: Brown **Odor:** none

Specific Gravity (water=1): 1-2 **Density:** 8.34 lbs/gal

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

Container Type: ☐ **Drum** ☐ **Tote** ☒ **Truck** ☐ **Other (explain)**
Container Size: ____ ____ 1500 gal ____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: 00035191
Proper U.S. DOT Shipping Name: Non RCRA/Non DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >200	**pH** 8-12.5	**Reactive Sulfides** NAmg/l	**Reactive Cyanides** NAmg/l	**Solids** 2-5%
Oil&Grease >100mg/l	**TOC** 0 mg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

EPAHO111000374

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	80-90	%
Dirt/Absorbent	5-20	%
Oil	2-5	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
MES Lab#6110229

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None known

SECTION 8: Generator's Knowledge Documentation

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

TCLP Metals: ____
TCLP Volatiles: no volatiles in waste or in generating process
TCLP Semi-Volatiles: no semi-volatiles in waste or in generating process
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: Carl Buscemi **Date:** 11-14-06

Printed Name/Title: Carl Buscemi

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert C Ingram Date: 11-15-06 (Approved) Rejected Approval Number: 1912	ISL

EPAHO111000375

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

EPAHO111000376

(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.

EPAHO111000377

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#: 6110229
Client Sample ID: Non Haz Waste Water
Extended ID: APV

Sample Collect Date: 11/9/2006 @ 8:40:00 AM
Sample Receipt Date: 11/9/2006 @ 9:20:00 AM
Sample Type: Grab

Test Group / Method

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL		Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	11/13/2006 / 2:00 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL		Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25		< 0.25	mg/kg	11/13/2006 / 2:00 PM

CORROSIVITY: pH Method: SW-846 9045	MDL		Result	Units	Analyst: CL Date / Time
pH			**7.72**		11/10/2006 / 11:30 AM

IGNITABILITY Method: SW-846 1010	MDL	RL	Result	Units	Analyst: DB Date / Time
Flashpoint		**150**	**>150**	**deg F**	11/10/2006 / 10:15 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	**0.029**	**mg/L**	11/10/2006 / 4:38 PM
Barium	0.0005	100	**0.0218**	**mg/L**	11/10/2006 / 4:38 PM
Cadmium	0.002	1	< 0.002	mg/L	11/10/2006 / 4:38 PM
Chromium	0.002	5	**0.003**	**mg/L**	11/10/2006 / 4:38 PM
Lead	0.005	5	< 0.005	mg/L	11/10/2006 / 4:38 PM
Selenium	0.024	1	< 0.024	mg/L	11/10/2006 / 4:38 PM
Silver	0.002	5	< 0.002	mg/L	11/10/2006 / 4:38 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	11/13/2006 / 8:43 PM

EPAHO111000378

- CERTIFICATE OF RESULTS -

MES Lab#: 6110229

Client Sample ID: Non Haz Waste Water
Extended ID: APV

Sample Collect Date: 11/9/2006 @ 8:40:00 AM **Sample Type:** Grab
Sample Receipt Date: 11/9/2006 @ 9:20:00 AM

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

Holland D. Gilmore, Laboratory Director

Tuesday, November 14, 2006
Date

EPAHO111000379

6110229

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	90	81	9.9	< 0.002	97	58.4	59.0	0.92
Barium	< 0.002	83.3	88	5.26	< 0.002	101	60.5	60.4	0.2
Cadmium	< 0.001	88.2	87.5	0.80	< 0.001	98	62.0	63.0	1.6
Chromium	< 0.001	85	84	1.439	< 0.001	96	66.8	67.3	0.7
Lead	< 0.002	83.2	82.9	0.27	< 0.002	97	61.0	61.3	0.5
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	66.4	80.1	18.8	< 0.024	99	56.4	59.3	5.0
Silver	< 0.001	94	92	2.809	< 0.001	97	66.1	63.3	4.33

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	7.72	7.83	1.41

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	101

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MDL=Minimum Detection Limit
MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery
RL=Regulatory Limit

Signature: _____
Holland D. Gilmore / Laboratory Director

November 14, 2006

Merichem Chemicals Center
Prof # 1913

EPAHO11100381

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/16/2006**

Dear **Leo Richard**

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 # 1913

Generator: Merichem Chemicals (Central)
Address: 1503 Central
Houston, TX 77012

Waste Information

Name of Waste: Non-hazardous salts
TCEQ Waste Code #: 00393191
Container Type: small tank
Detailed Description of Process Generating Waste:
Water removal from hydrocarbon streams
Color: dark **Odor:** none **pH:** na
Physical State:
Incompatibilities: None known
Safety Related Data/Special Handling:
none

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

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

1913

SECTION 1: Generator Information

Company: MERICHEM CHEMICALS & Refinery Services
Address: 1503 CENTRAL
City, State, Zip: HOUSTON, TX 77012
Contact: Leo N. Richard Jr. Title: Research Regulatory & Maintenance Leader
Phone No: 713-428-5343 Fax No: 713-928-5762
24/hr Phone: 713-708-0217 (Pager)
U.S. EPA I.D. No: TXD000807883
State I.D. 31242 SIC Code: 8731

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 SALTS
Detailed Description of Process Generating Waste:
Water Removal From Hydrocarbon Streams

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

Color: DARK 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) SMALL TANK
Container Size:

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 Other:

Texas State Waste Code No: 00393/91

Proper U.S. DOT Shipping Name: NON DOT REGULATED MATERIAL

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

EPAHO111000383

>200	N/A	450 mg/l	450 mg/l	100 %
Oil&Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Sodium Chloride	0-5	%
Steel Tank	95	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
NONE

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
NONE KNOWN

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Leo N. Richard Jr., Chmn Date: 11/14/06

Printed Name/Title: Leo N. Richard Jr. Chmn/Research Regulatory & Maintenance Leader

EPAHO111000384

Compliance Officer: Barbara Mayer

Date: 11-15-06 Approved Rejected

Approval Number: 1913

Process Facility Information:

15

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

EPAHO111000385

- ☐ 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.

EPAHO111000386

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: 7136761676

Attn: **Matt Bowman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6050534
Client Sample ID: Merichem @ Central St, Houston, TX
Extended ID: Salt from Drying Tower [1 Small Tank]

Sample Collect Date: 5/24/2006 @ 11:20:00 AM **Sample Type:** Comp
Sample Receipt Date: 5/24/2006 @ 1:30:00 PM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: DCW Date / Time
Arsenic	0.050	5	< 0.050	mg/L	5/31/2006 / 11:43 AM
Barium	0.002	100	**0.440**	**mg/L**	5/31/2006 / 11:43 AM
Cadmium	0.004	1	**0.009**	**mg/L**	5/31/2006 / 11:43 AM
Chromium	0.007	5	< 0.007	mg/L	5/31/2006 / 11:43 AM
Lead	0.010	5	**0.028**	**mg/L**	5/31/2006 / 11:43 AM
Selenium	0.050	1	< 0.050	mg/L	5/31/2006 / 11:43 AM
Silver	0.002	5	**0.070**	**mg/L**	5/31/2006 / 11:43 AM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: DCW Date / Time
Mercury	0.0008	0.2	< 0.0008	mg/L	5/30/2006 / 6:05 PM

BTEX Method: SW-846 8021B	MDL	Result	Units	Analyst: TFR Date / Time
Benzene	0.5	< 0.5	mg/kg	6/1/2006 / 10:32 AM
Toluene	0.5	< 0.5	mg/kg	6/1/2006 / 10:32 AM
Ethyl benzene	0.5	< 0.5	mg/kg	6/1/2006 / 10:32 AM
M+P-Xylene	0.5	< 0.5	mg/kg	6/1/2006 / 10:32 AM
o-Xylene	0.5	< 0.5	mg/kg	6/1/2006 / 10:32 AM

Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL	Result	Units	Analyst: HDG Date / Time
C6 - C12 Hydrocarbons	4	< 4	mg/kg	5/31/2006 / 9:37 PM
>C12 - C28 Hydrocarbons	8	< 8	mg/kg	5/31/2006 / 9:37 PM
>C28 - C36 Hydrocarbons	8	< 8	mg/kg	5/31/2006 / 9:37 PM
Total TPH	20	< 20	mg/kg	5/31/2006 / 9:37 PM

EPAHO111000387

- CERTIFICATE OF RESULTS -

MES Lab#: 6050534

Client Sample ID: Merichem @ Central St, Houston, TX
Extended ID: Salt from Drying Tower [1 Small Tank]

Sample Collect Date: 5/24/2006 @ 11:20:00 AM **Sample Type:** Comp
Sample Receipt Date: 5/24/2006 @ 1:30:00 PM

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

Daniel C Wolbrecht, Laboratory Manager

Friday, June 02, 2006
Date

EPAHO111000388

Merichem Chemicals Center 1914
Rat # 1914

EPAHO11000389

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/16/2006**

Dear **Leo Richard**

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 # 1914

Generator: Merichem Chemicals (Central)
Address: 1503 Central
Houston, TX 77012

Waste Information

Name of Waste: MEA rinnsewater
TCEQ Waste Code #: 00401011
Container Type:
Detailed Description of Process Generating Waste:
Process development studies for inpregnation of activated carbon with bovalt phthalocyanine sulfonate using ethanolamine as a solvent.
Color: clear/dark **Odor:** slight **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
none

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#1914

CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company: MERICHEM CHEMICALS & Refinery Services
Address: 1503 CENTRAL
City, State, Zip: HOUSTON, TX 77012
Contact: Leo N. Richard Jr, Comm Title: Research Regulatory & Maintenance Center
Phone No: 713-428-5343 Fax No: 713-928-5762
24/hr Phone: 713-708-0217 (Pager)
U.S. EPA I.D. No: TXD008807883
State I.D. 31292 SIC Code: 8731

SECTION 2: Billing Information – [X] Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: MEA RINSEWATER
Detailed Description of Process Generating Waste:
Process development studies for impregnation of activated carbon with Cobalt Phthalocyanine Sulfonate using Ethanolamine as a solvent.

Physical State: [X] Liquid [ ] Sludge [ ] Powder [ ] Solid [ ] Filter Cake [ ] Combination

Color: clear/dark Odor: slight

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

Layers: [X] Single-phase [ ] Multi-phase

Container Type: [X] Drum [ ] Tote [ ] Truck [ ] Other (explain)
Container Size: 55

Frequency: [ ] Weekly [ ] Monthly [X] Quarterly [ ] Yearly
Number of Units (containers): 5 Other:
Texas State Waste Code No: 00401011
Proper U.S. DOT Shipping Name: Non DOT Regulated Material
Class: NC UN/NA: NA PG: NA RQ: NA

EPAHO111000391

7150	3-11	220 mg/l	420 mg/l	0.3 %

Oil&Grease	TOC	Zinc	Copper	Nickel
NA mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	98-99	%
Ethanolamine	0-1	%
Cobalt Phthalocyanine Sulfonate	0-1	%

SECTION 5: Safety Related Data

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

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):
Not Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Leo N. Richard Jr. CHMM **Date:** 11/14/06

Printed Name/Title: Leo N. Richard Jr. CHMM/Research Regulatory & Maintenance Leader

EPAHO111000392

Compliance Officer: Robert P Raymond

Date: 11-15-06 Approved Rejected

Approval Number: 1914

Process Facility Information:

1L

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

If 'Yes', complete this section.

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

Metals Subcategory: Subpart A

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

Oils Subcategory: Subpart B

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

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol

EPAHO111000393

- ☐ 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.

EPAHO111000394

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: 7136761676

Attn: **Matt Bowman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6050535

Client Sample ID: Merichem @ Central St, Houston, TX
Extended ID: Cobalt Phalocyanine Sulfonate / MEA Rinse [5 Drums]

Sample Collect Date: 5/24/2006 @ 11:30:00 AM **Sample Type:** Comp
Sample Receipt Date: 5/24/2006 @ 1:30:00 PM

Test Group / Method

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: TFR Date / Time
Vinyl chloride	0.10	0.2	< 0.10	mg/L	5/25/2006 / 6:14 AM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	5/25/2006 / 6:14 AM
2-Butanone	0.50	200	< 0.50	mg/L	5/25/2006 / 6:14 AM
Chloroform	0.05	6	< 0.05	mg/L	5/25/2006 / 6:14 AM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	5/25/2006 / 6:14 AM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	5/25/2006 / 6:14 AM
Benzene	0.05	0.5	< 0.05	mg/L	5/25/2006 / 6:14 AM
Trichloroethene	0.05	0.5	< 0.05	mg/L	5/25/2006 / 6:14 AM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	5/25/2006 / 6:14 AM
Chlorobenzene	0.05	100	< 0.05	mg/L	5/25/2006 / 6:14 AM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	5/25/2006 / 6:14 AM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	5/25/2006 / 6:14 AM

TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
Pyridine	0.05	5	< 0.05	mg/L	6/1/2006 / 7:17 AM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	6/1/2006 / 7:17 AM
o-Cresol	0.05	200	< 0.05	mg/L	6/1/2006 / 7:17 AM
m+p-Cresol	0.05	200	< 0.05	mg/L	6/1/2006 / 7:17 AM
Hexachloroethane	0.05	3	< 0.05	mg/L	6/1/2006 / 7:17 AM
Nitrobenzene	0.05	2	< 0.05	mg/L	6/1/2006 / 7:17 AM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	6/1/2006 / 7:17 AM
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L	6/1/2006 / 7:17 AM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L	6/1/2006 / 7:17 AM
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L	6/1/2006 / 7:17 AM
Hexachlorobenzene	0.05	0.13	< 0.05	mg/L	6/1/2006 / 7:17 AM
Pentachlorophenol	0.50	100	< 0.50	mg/L	6/1/2006 / 7:17 AM

- CERTIFICATE OF RESULTS -

MES Lab#: 6050535

Client Sample ID: Merichem @ Central St, Houston, TX
Extended ID: Cobalt Phalocyanine Sulfonate / MEA Rinse [5 Drums]

Sample Collect Date: 5/24/2006 @ 11:30:00 AM **Sample Type:** Comp
Sample Receipt Date: 5/24/2006 @ 1:30:00 PM

TCLP Metals (6) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: CKIME Date / Time
Arsenic	0.050	5	**0.227**	**mg/L**	5/24/2006 / 6:44 PM
Barium	0.002	100	**0.089**	**mg/L**	5/24/2006 / 6:44 PM
Cadmium	0.004	1	< 0.004	mg/L	5/24/2006 / 6:44 PM
Chromium	0.007	5	< 0.007	mg/L	5/24/2006 / 6:44 PM
Lead	0.010	5	< 0.010	mg/L	5/24/2006 / 6:44 PM
Selenium	0.050	1	< 0.050	mg/L	5/24/2006 / 6:44 PM
Silver	0.002	5	< 0.002	mg/L	5/24/2006 / 6:44 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: DCW Date / Time
Mercury	0.0008	0.2	< 0.0008	mg/L	5/30/2006 / 6:07 PM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: AS Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	5/25/2006 / 3:38 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: AS Date / Time
Hydrogen Sulfide	0.25	< 0.25	mg/kg	5/25/2006 / 4:38 PM

Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**8.79**		5/26/2006 / 9:30 AM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DB Date / Time
Flashpoint		**>150**	**deg F**	5/25/2006 / 11:30 AM

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

Daniel C Wolbrecht, Laboratory Manager

Friday, June 02, 2006
Date

EPAHO111000396

MES - CHAIN OF CUSTODY

1-800-771-4MES
(281) 476-4534
Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
Fax (281)-476-4406

1 COMPANY NAME: (BILL TO:) CES Environmental Services

COMPANY ADDRESS:

CITY ____ STATE ____ ZIP ____

CONTACT PERSON'S NAME: Matt Bowman

CONTACT PERSON'S PHONE: 713-826-1329 FAX #: 713-676-1676

2 YOUR PROJECT NO.: | YOUR P.O. #: | YOUR PROJECT NAME: Merichem

PROJECT ADDRESS: Central St., Houston TX

4 PARAMETERS FOR ANALYSIS

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP Metals	TCLP Volatiles	TCLP Semi-Volatiles	RCT	BTEX	TPH	NUMBER OF CONTAINERS	PRESERVATIONS	5 REMARKS
Caustic Scrubber and rinsewater [8 drums]	comp	5-24-06	11:00AM	Sludge	✓	✓	✓	✓			1	N/A	1 profile
Cresylate Rinsewater and sludge [2 Totes 1 drum]	comp	5-24-06	11:10AM	sludge	✓	✓	✓	✓			1	N/A	
Salt from Drying Tower [1 small Tank]	comp	5-24-06	11:20AM	Solid	✓				✓	✓	1	N/A	1 profile
Cobalt Phalocyanine sulfonate/ MEA Rinse [5 drums]	comp	5-24-06	11:30AM	Liquid	✓	✓	✓	✓	NO	NO	1	N/A	1 profile

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

6 PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): a. Matt Bowman b. [signature]

RELINQUISHED BY: (Signature) [signature] DATE 5-24-06 TIME 1:30PM RECEIVED BY: (Signature) [signature]

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) [signature] | DATE 5/24/06 | TIME 1330

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 12
MES
06/06/2006 14:15 -2814764406
EPAHO11100039?

DAL-TILE 1915
Prof# 1915

EPAHO11000398

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/16/2006**

Dear **Keith Walters**

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 # 1915

Generator: Dal-Tile
Address: 10399 Silver Springs Road
Conroe, TX 77305

Waste Information

Name of Waste: Recyclable RCRA-empty containers
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Recyclable RCRA-empty containers (steel drums and poly totes) last containing diesel, hydraulic oils, or ferric chloride (1drum)
Color: varies **Odor:** hydrocarbon **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D PPE - RCRA empty drums containing ferric chloride will have a low pH

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**

C

#1915

SECTION 1: Generator Information

Company:	Dal-Tile		
Address:	10399 Silver Springs Rd		
City, State, Zip:	Conroe, TX 77305		
Contact:	Kenny Nelson	**Title:**	PM Supervisor
Phone No:	936-856-5555 ext 80718	**Fax No:**	936-890-6086
24/hr Phone:	936-856-5555 ext 80718		
U.S. EPA I.D. No:	38703		
State I.D.	TXD982561854	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dal-Tile		
Address:	PO Box 3550		
City, State, Zip:	Conroe, TX 77305		
Contact:	Keith Walters	**Title:**	Purchasing
Phone No:	Same	**Fax No:**	Same

SECTION 3: General Description of the Waste

Name of Waste: Recyclable RCRA Empty Containers
Detailed Description of Process Generating Waste: Recyclable RCRA Empty Containers (Steel Drums and Poly Totes) last containing Deisel, Hydrolic Oils or Ferric Cloride (1 drum).

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

Color: Varies **Odor:** 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:		55 gal		300 gal	____		____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 11-21 **Other:** ____
Texas State Waste Code No: Recycled
Proper U.S. DOT Shipping Name: Recyclable RCRA Empty Containers
Class: NA **UN/NA:** Na **PG:** Na **RQ:** Na

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

EPAHO111000400

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
RCRA Empty Steel Drums	0-100	%
RCRA Empty Poly Totes	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-RCRA Empty drum Containing Ferric Chloride will have a low PH

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: _____ **Date:** 11/14/06

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert Meyer Date: 11-16-06 Approved Rejected Approval Number: 1915	REC

EPAHO111000401

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

EPAHO111000402

(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.

EPAHO111000403

1916 Lincoln Manufacturing (Magnolia)

EPAHO11100404

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/16/2006**

Dear **Jim Legg**

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 # 1916

Generator: Lincoln Manufacturing - Magnolia
Address: 31209 FM 2978
Magnolia, TX 77354-2388

Waste Information

Name of Waste: Phosphating rinsewater solids (zinc phosphate)
TCEQ Waste Code #: CESQ3912
Container Type: Gaylord box
Detailed Description of Process Generating Waste:
Wastewater solids associated with a zinc phosphating line including cleaning vat, phosphating vats and rinsewaters.
Color: tan **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
none

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

1916

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:	Lincoln Manufacturing, Inc.		
Address:	31209 F.M. 2978		
City, State, Zip:	Magnolia, TX 77354		
Contact:	Jim Legg	**Title:**	General Manager
Phone No:	(281) 252-9494	**Fax No:**	(281) 252-9496
24/hr Phone:	(832) 577-1816		
U.S. EPA I.D. No:	TXCESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Phosphating Rinsewater Solids (zinc phosphate)
Detailed Description of Process Generating Waste: Wastewater solids associated with a zinc phosphating line including cleaning vat, phosphating vats and rinsewaters.

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

Color: Tan **Odor:** None

Specific Gravity (water=1): 2 **Density:** 17 lbs/gal

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

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

Frequency: ☐ **Weekly** ☒ **Monthly** ☐ **Quarterly** ☐ **Yearly**
Number of Units (containers): 3-5 **Other:** ____
Texas State Waste Code No: CESQ3912
Proper U.S. DOT Shipping Name: Non-Dot Regulated Wastewater Solids
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
N/A	N/A	0mg/l	0mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
<150mg/l	N/Amg/l	N/Amg/l	N/Amg/l	<70mg/l

EPAHO111000406

SECTION 4: Physical and Chemical Data

CONTENTS (%)	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Zinc Phosphate Solids	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
See Mercury analytical - 6110049

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: No volatile organics are part of process
TCLP Semi-Volatiles: No semi-volatile organics are part of process
Reactivity: No reactive materials are part of process
Corrosivity: Material is solid
Ignitability: Material is solid

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 B. Lege GM **Date:** 11/10/06

Printed Name/Title: Jim Lege/General Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-16-06 Approved Rejected 15

Approval Number: 1916

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

EPAHO111000408

(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.

EPAHO111000409

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: **Sean Easton**

- CERTIFICATE OF RESULTS -

MES Lab#: 6110049

Client Sample ID: Zinc Phosphate
Extended ID: Lincoln Mel

Sample Collect Date: 11/2/2006 @ 8:45:00 AM **Sample Type:** Comp
Sample Receipt Date: 11/2/2006 @ 10:17:00 AM

Test Group / Method

Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL	Result	Units	Analyst: TFR Date / Time
C6 - C12 Hydrocarbons	4	< 4	mg/kg	11/7/2006 / 1:25 AM
>C12 - C28 Hydrocarbons	8	**144**	**mg/kg**	11/7/2006 / 1:25 AM
>C28 - C36 Hydrocarbons	8	< 8	mg/kg	11/7/2006 / 1:25 AM
Total TPH	20	**144**	**mg/kg**	11/7/2006 / 1:25 AM

TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Antimony	0.032	1	< 0.032	mg/L	11/9/2006 / 2:52 PM
Arsenic	0.014	5	< 0.014	mg/L	11/9/2006 / 2:52 PM
Barium	0.0005	100	**0.0015**	**mg/L**	11/9/2006 / 2:52 PM
Beryllium	0.0005	0.08	**0.0040**	**mg/L**	11/9/2006 / 2:52 PM
Cadmium	0.002	1	< 0.002	mg/L	11/9/2006 / 2:52 PM
Chromium	0.002	5	**0.007**	**mg/L**	11/9/2006 / 2:52 PM
Lead	0.005	5	< 0.005	mg/L	11/9/2006 / 2:52 PM
Nickel	0.003	70	**37.2**	**mg/L**	11/9/2006 / 2:52 PM
Selenium	0.024	1	< 0.024	mg/L	11/9/2006 / 2:52 PM
Silver	0.002	5	< 0.002	mg/L	11/9/2006 / 2:52 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	11/6/2006 / 10:18 PM

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

Thursday, November 09, 2006
Holland D. Gilmore, Laboratory Director **Date**

EPAHO111000410

6110049

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC
C6-C12		< 4	105.2	106.6	104.2
C12-C28		< 8	106.2	107.0	102.6

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Antimony	< 0.032	103.8	98.8	4.89	< 0.032	96.5	118.0	96.4
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.46	< 0.002	92.6	92.4	86.1
Beryllium	< 0.002	90.9	95.9	5.36	< 0.002	92.6	93.6	93.5
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Nickel	< 0.001	103.0	104.0	0.97	< 0.001	94.3	95.2	85.3
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
Rec=Percent Recovery

Signature _____
Holland D. Gilmore / Laboratory Director

November 9, 2006

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 ENV. SVCS
COMPANY ADDRESS: 4904 Caroll Rd
CITY Houston STATE TX ZIP 77021
CONTACT PERSON'S NAME: Sean Ebston
CONTACT PERSON'S PHONE: (713) 416-4160 FAX #: (713) 676-1676

2

YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
Zinc Phosphate	Lincoln #FL	Zinc Phosphate

PROJECT ADDRESS: Magnolia TX

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	**4** TPH	TCLP Metals (1)						NUMBER OF CONTAINERS	PRESERVATIONS
Zinc Phosphate	Comp	11/2/06	845 AM	Solid	X	X						1	Ice

PARAMETERS FOR ANALYSIS

5 REMARKS

TURNAROUND TIME
STD

DETECTION LIMITS SPECIAL LIMITS REQUIRED
Yes (No)
Please circle one, if Yes, please describe below or include separate sheet detailing requirements.

once 4C

6
PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):
a. Sean Ebston b.

7

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
	11/2/06	10PM	

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)

METHOD OF PAYMENT | SHIPPED BY: (Signature) | COURIER (Signature) | RECEIVED FOR MES BY: (Signature) | DATE 11/2/06 | TIME 1007

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 03
MES
-2814764406
11/09/2006 17:28
EPAHO11000412

Trinity Railcar Repair, Inc 1917

Prof# 1917

EPAHO11100413

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Erika Frederick**

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 # 1917

Generator: Trinity Railcar Repair, Inc. (Plant #4117)
Address: 1815 S. Main Street
Vidor, TX 77662

Waste Information

Name of Waste: Railcar exterior washwater
TCEQ Waste Code #: Recycle
Container Type: frac tank
Detailed Description of Process Generating Waste:
Exterior of railcars previously containing diesel/grease grime
Color: varies, dark **Odor:** diesel **pH:** 9.28
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#1917

MB

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:	Trinity Railcar Repair, Inc. Plant #4117		
Address:	1815 S. Main Street		
City, State, Zip:	Vidor, TX 77662		
Contact:	Thomas Hammond	**Title:**	Safety/Env. Manager, Purchasing Agent
Phone No:	409-768-1350 x1004	**Fax No:**	409-768-1115
24/hr Phone:	409-768-1350		
U.S. EPA I.D. No:	TXD072201080		
State I.D.		**SIC Code:**	4789

SECTION 2: Billing Information – ☒ Same as Above

Company:	Pollution Control Industries		
Address:	4343 Kennedy Avenue		
City, State, Zip:	East Chicago, IN 46312		
Contact:	Erika Frederick	**Title:**	PCI Direct Manager
Phone No:	800-388-7242	**Fax No:**	219-397-6411

SECTION 3: General Description of the Waste

Name of Waste: Railcar exterior washwater
Detailed Description of Process Generating Waste: Exterior of railcars previously containing diesel/grease grime

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

Color: Varies, dark **Odor:** Diesel

Specific Gravity (water=1): 0.8 - 1 **Density:** 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: 5000 ____ ____ Frac tank

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: RECYCLE
Proper U.S. DOT Shipping Name: Non-regulated liquid
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	9.28	0 mg/l	0 mg/l	352mg/L

Oil&Grease	TOC	Zinc	Copper	Nickel
303 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO111000415

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Diesel	1-30	%
Grease	1-50	%
Water	20-60	%
Detergent	1-25	%

SECTION 5: Safety Related Data

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

Std -

SECTION 6: Attached Supporting Documents

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

Std 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: ____
TCLP Volatiles: ____
TCLP Semi-Volatiles: ____
Reactivity: ____
Corrosivity: ____
Ignitability: ____

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 11/16/06

Printed Name/Title: Thomas Hammond / Safety/Environmental Manager, Purchasing Agent

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Reyna

Additional Information: _____

Date: 11-16-06 (Approved) Rejected

REC

Approval Number: 1917

EPAHO111000416

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

EPAHO111000417

(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.

EPAHO111000418

NOV-14-2006 13:55 EAS

EARTH ANALYTICAL SCIENCES, INC.

4525 Ward Drive
Beaumont, Texas 77705

Telephone (409) 842-0658
Fax (409) 842-9798

FAX TRANSMITTAL

TO: Thomas Hammond

COMPANY NAME: Trinity Industries, Inc

FROM: Brad Rader

COMPANY NAME: Earth Analytical Sciences, Inc

TELECOPY NO.: 768-1115

DATE: 11-14-06 TOTAL PAGES: 7

EAS # (s): 110216010

MESSAGE: Please call if you have any questions.

11-14-06 13:43 TO:TRINITY IND FROM: P01

Earth Analytical Sciences, Inc.

Certificate of Analysis

Report Date: 11/13/06

Client Name: Trinity Industries, Inc.

1815 South Main
Vidor, Texas 77662

EAS Job Number: 11026010
Sample Description: Water
Project Name: UPFE Project
Sampled By: T. Hammond
Date Sampled: 11/2/06
Date Received: 11/2/06

Analysis:
Biochemical Oxygen Demand
Chemical Oxygen Demand
Oil and Grease
pH
Total Suspended Solids
Tx1005 Total Petroleum Hydrocarbons

Bradley W. Rader
Vice President

Earth Analytical Sciences, Inc. (EAS) warrants that work will be performed in accordance with sound laboratory practice and professional standards, but makes no other warranty, expressed or implied. In the event of any error, omission or other professional negligence, the sole and exclusive responsibility of EAS shall be to reperform the work at its own expense, and EAS shall have no other liability whatsoever. In no event shall EAS be liable, whether in contract or tort, including negligence, for any incidental or consequential damages. If this provision is in conflict with other contractual terms, it is understood that this provision will, in all cases, prevail. This report can only be reproduced in full with written consent of EAS.

Earth Analytical Sciences, Inc.
4825 Ward Dr. Beaumont, Tx. 77705 Phone: (409) 842-0658 Fax: (409) 842-9793 Email: brad@earthanalytical.com
www.earthanalytical.com

11-14-06 13:43 TO:TRINITY IND FROM: P03

NOV-14-2006 13:56 EAS P.03/07

Laboratory Report

Trinity Industries, Inc.
Contact: Thomas Hammond
Project: UPFE Project

Job Number: 11026010
Date Received: 11/2/06

	SAMPLE RESULT	UNITS	PQL	METHOD	ANALYST	DATE / TIME ANALYZED
EAS Lab Number: 11026010-001						
Sample ID: Grab						
Date Sampled 11/2/06 7:55 Matrix: Water						
Oil and Grease						
Oil & Grease	303	mg/L	2.2	EPA 1664A	CV	11/7/06 8:50
Chemical Oxygen Demand						
Chemical Oxygen Demand	2560	mg/L	25	HACH 8000	LF	11/6/06 7:20
Total Suspended Solids						
Total Suspended Solids @ 103-105 C	352	mg/L	20	SM 2540D	CV	11/2/06 13:15
pH						
pH	9.28	pH units		SM 4500HB	SH	11/2/06 10:30
Biochemical Oxygen Demand						
Biochemical Oxygen Demand, 5 Day	233	mg/L	40	SM 5210B	SH	11/2/06 13:00
Tx1005 Total Petroleum Hydrocarbons						
C6-C12 Hydrocarbons	< 5.00	mg/L	5.00	Tx1005	CS/SB	11/2/06 22:40
>C12-C28 Hydrocarbons	32.1	mg/L	5.00	Tx1005	CS/SB	11/2/06 22:40
>C28-C35 Hydrocarbons	15.1	mg/L	5.00	Tx1005	CS/SB	11/2/06 22:40
Tot C6-C35 Hydrocarbons	47.2	mg/L	5.00	Tx1005	CS/SB	11/2/06 22:40
1-Chlorooctane (S)	92	%		Tx1005	CS/SB	11/2/06 22:40
1-Chlorooctadecane(S)	91	%		Tx1005	CS/SB	11/2/06 22:40

Earth Analytical Sciences, Inc.
4625 Ward Dr. Beaumont, Tx. 77705 Phone (409) 842-0658 Fax (409) 842-9793
www.earthanalytical.com

EPAHO11000421

QA/QC REPORT

Trinity Industries, Inc.
Job Number 11026010

	METHOD	ORGINAL SAMPLE	SAMPLE RESULT	QC RESULT	UNITS	TRUE ADDED	RELATED QC CALCULATIONS
BLK							
Oil & Grease	EPA 1664A			< 2.0	mg/L		
Chemical Oxygen Demand	HACH 8000			< 5	mg/L		
Total Suspended Solids @ 103-105 C	SM 2540D			< 2.0	mg/L		
Biochemical Oxygen Demand, 5 Day	SM 5210B			< 0.2	mg/L		
C6-C12 Hydrocarbons	Tx1005			< 5.00	mg/L		
>C12-C28 Hydrocarbons	Tx1005			< 5.00	mg/L		
>C28-C35 Hydrocarbons	Tx1005			< 5.00	mg/L		
Tot C6-C35 Hydrocarbons	Tx1005			< 5.00	mg/L		
1-Chlorooctane (S)	Tx1005			95	%	100	
1-Chlorooctadecane(S)	Tx1005			92	%	100	
BMS							
C6-C12 Hydrocarbons	Tx1005			50.0	mg/L	50	%R: 100
>C12-C28 Hydrocarbons	Tx1005			48.8	mg/L	50	%R: 98
Tot C6-C35 Hydrocarbons	Tx1005			98.8	mg/L	100	%R: 99
1-Chlorooctane (S)	Tx1005			92	%	100	%R: 92
1-Chlorooctadecane(S)	Tx1005			95	%	100	%R: 95
BMSD							
C6-C12 Hydrocarbons	Tx1005			49.1	mg/L	50	%R: 98 RPD: 1.8
>C12-C28 Hydrocarbons	Tx1005			47.9	mg/L	50	%R: 96 RPD: 1.9
Tot C6-C35 Hydrocarbons	Tx1005			97.0	mg/L	100	%R: 97 RPD: 1.8
1-Chlorooctane (S)	Tx1005			90	%	100	%R: 90
1-Chlorooctadecane(S)	Tx1005			103	%	100	%R: 103
Dup							
Chemical Oxygen Demand	HACH 8000		100	98	mg/L		RPD: 2
Biochemical Oxygen Demand, 5 Day	SM 5210B		15	14	mg/L		RPD: 6.9
pH	SM 4500HB	11026010-001	9.28	9.28	pH units		RPD: 0.0
Oil & Grease	EPA 1664A		4.1	3.8	mg/L		RPD: 7.6
LCS							
Oil & Grease	EPA 1664A			38.6	mg/L	40	%R: 97
Chemical Oxygen Demand	HACH 8000			49	mg/L	50	%R: 98
Total Suspended Solids @ 103-105 C	SM 2540D			19	mg/L	20	%R: 95
pH	SM 4500HB			5.06	pH units	5	%R: 101
Biochemical Oxygen Demand, 5 Day	SM 5210B			210	mg/L	198	%R: 106
C6-C12 Hydrocarbons	Tx1005			25.1	mg/L	25	%R: 100
>C12-C28 Hydrocarbons	Tx1005			25.4	mg/L	25	%R: 102
Tot C6-C35 Hydrocarbons	Tx1005			50.5	mg/L	50	%R: 101
1-Chlorooctane (S)	Tx1005			99	%	100	%R: 99
1-Chlorooctadecane(S)	Tx1005			111	%	100	%R: 111

Earth Analytical Sciences, Inc.
4825 Ward Dr. Beaumont, Tx. 77705 Phone (409) 842-0858 Fax (409) 842-9793
www.earthanalytical.com

EPAHO111000422

QA/QC REPORT

Trinity Industries, Inc.
Job Number 11026010

	METHOD	ORGINAL SAMPLE	SAMPLE RESULT	QC RESULT	UNITS	TRUE ADDED	RELATED QC CALCULATIONS
LCS2							
Oil & Grease	EPA 1664A			37.8	mg/L	40	%R: 95
Chemical Oxygen Demand	HACH 8000			48	mg/L	50	%R: 96
Total Suspended Solids @ 103-105 C	SM 2540D			19	mg/L	20	%R: 95
Biochemical Oxygen Demand, 5 Day	SM 5210B			210	mg/L	198	%R: 106
MS							
Chemical Oxygen Demand	HACH 8000		100	147	mg/L	50	%R: 94
Total Suspended Solids	SM 2540D		4.0	13	mg/L	10.0	%R: 90
Oil & Grease	EPA 1664A		4.1	49.5	mg/L	47.1	%R: 96
MSD							
Chemical Oxygen Demand	HACH 8000		100	150	mg/L	50	%R: 100 RPD: 2.0
Total Suspended Solids	SM 2540D		4.0	14	mg/L	10.0	%R: 100 RPD: 7.4
Oil & Grease	EPA 1664A		4.1	47.8	mg/L	47.1	%R: 93 RPD: 3.5

Earth Analytical Sciences, Inc.
4825 Ward Dr. Beaumont, Tx. 77705 Phone (409) 842-0658 Fax (409) 842-9793
www.earthanalytical.com

EPAHO111000423

EARTH ANALYTICAL SCIENCES, INC.

SAMPLE ACCEPTANCE / RECEIPT CHECKLIST

Date: 11/02/06 EAS Job Number: 11026010
Client: Trinity Sample Number(s): 001

No.	ITEM	YES	NO	COMMENTS
1.	Chain of Custody (COC) Complete and Accurate? (including the required signatures)	X		
2.	Chain of Custody Seal on Shipping Container?		X	
a.	If yes, is seal intact?			
3.	COC Seals on containers?		X	
a.	If yes, is seal intact?			
4.	Are samples with thermal preservation required received with evidence of chilling?	X		
a.	Was a temperature blank used?	X	~~X~~ tn	
b.	Samples received frozen?		X	
c.	Are samples received on ice?	X		
d.	Record temperature of cooler: °C; Was cooler temperature less than or equal to 6°C?			on ice
e.	If cooler temperature is greater than 6.0 °C, was there evidence that the chilling process has begun and temperature was due to samples being delivered to laboratory immediately after collection?			N.A.
5.	Are sample containers intact (not damaged)?	X		
6.	Indicate Matrix: Water Wastewater Liquid Sludge Soil Solid Oil StackGas Misc.			
7.	Are appropriate containers used?	X		
8.	Is the volume of sample sufficient to perform the requested analyses?	X		
9.	Are samples requiring chemical preservatives documented as properly preserved? Note: Preservatives are checked in appropriate department(s) prior to sample analysis	X tn		N.A.
10.	Volatile samples collected with zero headspace?	X		N.A.
11.	Are samples received within holding times?	X		
12.	Are sample containers properly labeled with Client Sample ID? Does COC match labels?	X		

If any of Items 1, 2a, 3a, 4, 4c, 4e, 5, 7 thru 12 were "No" or Item 4b was "Yes", a Sample Receipt Nonconformance Report must be completed.

Additional Comments:

Samples Shipped:	UPS	Federal Express	Other:
Samples Hand Delivered:	Client	EAS Courier	Other:

Sample Receipt & Inspection Conducted by: [signature] 11-2-06 1000
Signature Date/Time

FRM-5019
Revision 2
April 14, 2006
TOTAL P.07

Enterprise Products 1918
Profile # 1918

EPAHO11100425

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/16/2006**

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 # 1918

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)
Address: 1200 North Broadway
LaPorte, TX 77571

Waste Information

Name of Waste: Soil/dirt
TCEQ Waste Code #: 00253011
Container Type:
Detailed Description of Process Generating Waste:
Removal of diert/mud/rocks contaminated with natural gas. Little drops of natural gas drops on to ground from the changout of filters.
Color: darkk **Odor:** none **pH:** 3-10
Physical State:
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: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

MB

SECTION 1: Generator Information

Company:	Enterprise Products-Morgan's Point Facility		
Address:	1200 North Broadway		
City, State, Zip:	LaPorte, TX 77571		
Contact:	Mike Tomerlin	Title:	Environmental Manager
Phone No:	281-385-4455	Fax No:	281-385-4532
24/hr Phone:	281-385-4455		
U.S. EPA I.D. No:	TXD008084238		
State I.D.	30282	SIC Code:	2869

SECTION 2: Billing Information – ☒ Same as Above

Company:	EPOLP		
Address:	PO Box 573		
City, State, Zip:	Mont Belvieu TX 77580-0573		
Contact:	same as above	Title:	
Phone No:		Fax No:	

SECTION 3: General Description of the Waste

Name of Waste: Soil/Dirt
Detailed Description of Process Generating Waste: Removal of dirt/mud/rocks contaminated with natural gas. Little drops of natural gas drops on to ground from the changeout of filters.

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

Color: Dark 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: 00253011
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated waste solids
Class: ~~7~~ na UN/NA: na PG: na RQ: na

Flash Point >160	pH 3-10	Reactive Sulfides <50mg/l	Reactive Cyanides <50mg/l	Solids 100%
Oil&Grease >5000mg/l	TOC N/Amg/l	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Soil/Rocks/Dirt	99.5-99.9	%
Natural Gas	Trace Amounts	%

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.
Analysis #61147.01

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: ___
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:** November 9, 2006

Printed Name/Title: Mary E Hebert, Director, Field Environmental

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-16-06 Approved Rejected 15

Approval Number: 19-1918

EPAHO111000428

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE NO: 61147.01 1of 1

Customer: **CES Env. Svcs.** Sample ID: **Enterprise Products** Environ ID: **61147.01**
Project ID: **Enterprise Porducts** **Dirt** Sampled: **11-01-06**
Project Loc: **Morgan's Point** Matrix: **Soil** Received: **11-01-06**
Charge/P.O.: **REQ 06-21161** Type: Reported: **11-02-06**

ANALYTE/ PARAMETER	RESULT	UNITS	REG. LIMIT	DET. LIMIT	TEST METHOD	TEST BY	DATE	TIME
BTEX - TOTAL								
Benzene	< 0.001	mg/kg	--	0.001	EPA SW846.8021B	DMB	11-01-06	16:07
Toluene	< 0.001	mg/kg	--	0.001	EPA SW846.8021B	DMB	11-01-06	16:07
Ethylbenzene	< 0.001	mg/kg	--	0.001	EPA SW846.8021B	DMB	11-01-06	16:07
Xylenes	< 0.003	mg/kg	--	0.003	EPA SW846.8021B	DMB	11-01-06	16:07
Total BTEX	< 0.006	mg/kg	--		EPA SW846.8021B	DMB	11-01-06	16:07
TPH - TOTAL PETROLEUM HYDROCARBONS								
nC6 to nC12 (GRO)	< 50	mg/kg	--	50	TCEQ 1005.3	DB	11-02-06	14:38
> nC12 to nC28 (DRO)	< 50	mg/kg	--	50	TCEQ 1005.3	DB	11-02-06	14:38
> nC28 to nC35 (ORO)	< 50	mg/kg	--	50	TCEQ 1005.3	DB	11-02-06	14:38
TPH (Total > nC6 to nC35)	< 50	mg/kg	1,500	50	TCEQ 1005.3	DB	11-02-06	14:38
RCI								
Reactive Cyanide	< 50	mg/kg	250	50	EPA SW846.7.3.3	LC	11-01-06	14:45
Reactive Sulfide	< 50	mg/kg	500	50	EPA SW846.7.3.4	LC	11-01-06	14:45
Corrosivity (Ph)	8.46	su	=>2; =<12.5	--	EPA SW846.9045C	JA	11-01-06	14:00
Ignitability	> 160	°F	> 140	--	EPA SW846.1010M	LC	11-01-06	15:00
METALS -TOTAL								
Arsenic	5.8	mg/kg	--	0.2	SW846.6010B	JK	11-01-06	16:30
Barium	59.2	mg/kg	--	0.2	SW846.6010B	JK	11-01-06	16:30
Cadmium	2.3	mg/kg	--	0.2	SW846.6010B	JK	11-01-06	16:30
Chromium	17.3	mg/kg	--	0.6	SW846.6010B	JK	11-01-06	16:30
Lead	8.8	mg/kg	--	0.6	SW846.6010B	JK	11-01-06	16:30
Selenium	< 0.2	mg/kg	--	0.2	SW846.6010B	JK	11-01-06	16:30
Silver	< 0.2	mg/kg	--	0.2	SW846.6010B	JK	11-01-06	16:30
Mercury	< 0.03	mg/kg	--	0.03	SW846.7471A	MN	11-01-06	15:30

Key:
REG - Regulatory Limit (User Should Verify)
DET - Detection Limit
TCLP - Toxicity Characteristic Leaching Procedure
GRO - Gasoline Range, DRO - Diesel Range, ORO - Oil Range
mg/l - PPM by Volume
mg/kg - PPM by Weight
SU - Standard Units
mg - milligrams
kg - kilograms
l - Liter

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO111000429

CHAIN OF CUSTODY

ENVIRON Express Laboratories

Page ____ of ____

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: CES ENV. SER. INC	Invoice To: CES ENV. SER. INC
Company: Matt Bowman	Company: Matt Bowman
Address: 4904 Griggs Rd.	Address: 4904 Griggs Rd.
City: Houston State: TX Zip: 77021	City: Houston State: TX Zip: 77021
Phone: 713-676-1460	Phone: 713-676-1460
Fax: 713-676-1676	Fax: 713-676-1676
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): amb	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: Enterprise Products Morgans Point
Project Location: Dirt Sample 11/1/06
Project No:
Sampler (Print): Pat Mc. / CES
Sampler (Sign):
Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	[2] Cntr. Type	Number	Volume	[3] Preservative	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL EPA TCLP VOLATILES	TOTAL EPA TCLP SEMI-VOLS	TOTAL EPA TCLP RCRA 8 METALS	BTEX	TPH	Metals TCLP	PCT
61147.01	1) Enterprise Products Dirt (Morgan's Point)	11/1/06			P	1	32oz	8	X	X	X				X				
	2)																		
	3) REQ 06-2116																		
	4)																		
	5)																		
	6)																		
	7)																		
	8)																		
	9)																		
	10)																		

Relinquished By: Clark Hudson	Company: CES	Date/Time: 11/1/06	Received By: Julio Almaguer
Relinquished By:	Company:	Date/Time:	Received By:
Relinquished By:	Company:	Date/Time:	Received By:

Company:		
Company: ENVIRON 17:45		
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.

11-2-06; 3:16PM; Environ ;2814715821 # 2/3

EPAHO11100430

Nan Ya Plastics 1919
Prof # 1919

EPAHO11100431

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/20/2006**

Dear **Robby Meriovsky**

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

CES Profile # 1919

Generator: Nan Ya Plastics
Address: Hwy 59 North
Wharton, TX

Waste Information

Name of Waste: Oily sludge
TCEQ Waste Code #: CESQ2051
Container Type:
Detailed Description of Process Generating Waste:
Sludge/water from separator system
Color: black **Odor:** none **pH:** 7
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
none

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1919

SECTION 1: Generator Information

Company:	Nanya Plastics		
Address:	700 Hwy 59		
City, State, Zip:	Wharton, Texas 77488		
Contact:	Louis Marshall	**Title:**	Manager
Phone No:	979-5322-5494	**Fax No:**	979-532-7355
24/hr Phone:			
U.S. EPA I.D. No:	~~none~~ TXCESQ6		
State I.D.	~~none~~ CESQ6	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston, TX. 77029		
Contact:	Robby Mersiovsky	**Title:**	Sales
Phone No:	713-882-7740	**Fax No:**	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: oily sludge
Detailed Description of Process Generating Waste: sluge/water from separator system

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

Color: black **Odor:** none

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

Layers: ☐ Single-phase ☒ Multi-phase

Container Type:	☐ Drum	☐ Tote	☒ Truck	☐ Other (explain)
Container Size:	____	____	6000	____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: cesqg CERQ2051
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** 7	**Reactive Sulfides** <20 mg/l	**Reactive Cyanides** <20 mg/l	**Solids** 50%
Oil&Grease >1500 mg/l	**TOC** >1500 mg/l	**Zinc** 0 mg/l	**Copper** 0 mg/l	**Nickel** 0 mg/l

EPAHO111000433

SECTION 4: Physical and Chemical Data

[redacted]	[redacted]	[redacted]
The waste consists of the following materials	Ranges are acceptable	or %
sludge	50%	
water	50%	

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.
sample provide to CES

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Utilities Supervisor (Louis W Marshall) **Date:** 11-17-06

Printed Name/Title: Louis W Marshall Utilities Supervisor

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: _____

Date: 11-20-06 Approved Rejected OSL

Approval Number: 1919

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

EPAHO111000435

(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.

EPAHO111000436

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/30/2008**

Dear

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

CES Profile # HOU-1919

Expiration Date 11/20/2008

Generator: Nan Ya Plastics
Address: Hwy 59 North
Wharton, TX

Waste Information

Name of Waste: Oily sludge
TCEQ Waste Code #: CESQ2051
Container Type:
Detailed Description of Process Generating Waste:
Sludge/water from separator system
Color: black **Odor:** none **pH:** 7
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
none

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company :	Nan Ya Plastics		
Address :	Hwy 59 North		
City, State, Zip :	Wharton TX		
Contact :	Mike Wall/ Luis Martial	**Title :**	
Phone No :	(979) 532-7394	**Fax :**	
24 / HR Phone :			
U.S EPA I.D No :			
State I.D :		**SIC Code**	

SECTION 2: Billing Information

Company :	Preston Environmental		
Address :	7303 Red River Dr		
City, State, Zip :	Richmond, TX 77469		
Contact :		**Title :**	
Phone No :		**Fax :**	

SECTION 3: General Description of the Waste

Name of Waste : Oily sludge

Detailed Description of the Process Generating Waste:

Sludge/water from separator system

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

Color : black **Odor :** none

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

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

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

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

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

Layers : ☐ Single-Phas ☑ Multi-Phase

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

Container Size : 6000

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

EPAHO111000438

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 : CESQ2051

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
>140	7	<20 mg/l	<20 mg/l	50 %
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 %
water	60-30	%
Oil	20-35	%
Solids	20-50	%

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.
Sample provided to CES

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

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

EPAHO111000440

☐ 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 : As Agent for Generator **Date :** 10/22/08

Printed Name / Title : Robert Mercousky

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information :
Compliance Officer : Prabhakar Thangudu	
Date : 11/20/2006 **Status :** Approved Rejected	
Approval Number : HOU-1919	

EPAHO111000441

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$0.25/gal

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

Chlor-d-tect on oil phase (must pass)
flash on solids (≥140°F)

3. Surcharge Pricing:

4. Special Testing Requirements:

Oil: Chlor-d-tect on oil phase, black oil blendability, Base oil specs
Solids: flash point (must be >140°F)

5. Treatment and Handling Protocol:

Pump oil to ① Base oil ~~Specs~~ (if meets specs) or ② Black oil. Send solids to Class 1 Box

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

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

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

Lubrizol - Deer Park 1920
Prof # 1920

EPAHO11100444

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/17/2006**

Dear **Frank Hejtmanek**

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 # 1920

Generator: Lubrizol-Deer Park
Address: 41 Tidal Rd. (Attn: Frank Hejtmanek)
Deer Park, TX 77536

Waste Information

Name of Waste: 98% Sulfuric Acid Product
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Production of lube oil additives concentrates a 93% strength sulfuric acid to 98% and is perfect for use as pH adjustment acid (TOC<500PPM)
Color: black **Odor:** acid **pH:** 0
Physical State:
Incompatibilities: basic materials
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

#1920

SECTION 1: Generator Information

Company:	The Lubrizol Corporation		
Address:	41 Tidal Road		
City, State, Zip:	Deer Park, TX 77536		
Contact:	Frank Hejtmanek	**Title:**	EH&S Manager
Phone No:	832 260-7843	**Fax No:**	832 260-7847
24/hr Phone:	713 416-4160		
U.S. EPA I.D. No:	TXD041067638		
State I.D.	30324	**SIC Code:**	NA

SECTION 2: Billing Information – X☐ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: 98% Sulfuric Acid PRODUCT
Detailed Description of Process Generating Waste: Production of lube oil additives concentrates a 93% strength sulfuric Acid to 98% and is perfect for use as pH adjustment acid (TOC < 500PPM)

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

Color: Black **Odor:** Acid

Specific Gravity (water=1): 1 **Density:** 15 lbs/gal

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

Container Type: ☐ **Drum** ☐ **Tote** X **Truck** ☐ **Other (explain)**
Container Size: ____ ____ 3000 ____

Frequency: ☐ **Weekly** ☐ **Monthly** X **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Not Applicable - PRODUCT
Proper U.S. DOT Shipping Name: Sulfuric Acid (> 51%)
Class: 8 **UN/NA:** UN1830 **PG:** II **RQ:** Yes

Flash Point >200F	**pH** 0	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** <1%
Oil&Grease <100mg/l	**TOC** <500mg/l	**Zinc** NDmg/l	**Copper** NDmg/l	**Nickel** NDmg/l

EPAHO111000446

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Sulfuric Acid	98	%
Water	2	%
TOC (Oil)	500	ppm

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
~~None~~ 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~~ basic materials

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

Authorized Signature: ____No Signature Required____ **Date:** 11/17/06

Printed Name/Title: Frank Hejtmanek, EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: ____

Date: 11-17-06 (Approved) Rejected PRODUCT

Approval Number: 1920

EPAHO111000447

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES X☐ 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
- X☐ 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

EPAHO111000448

(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.

EPAHO111000449

Pathfinder 1884
Prof# 1884

7 3
8-4-05
LAB
T-34

EPAHO111000450

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/24/2006**

Dear **Ken Mabry**

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 # 1884

Generator: Pathfinder Energy Services
Address: 11997 FM 529
Houston, TX 77041

Waste Information

Name of Waste: Recyclable used oily rags and absorbent pads
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Used oily rags and absorbent pads from cleaning up oil spills
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1884

SECTION 1: Generator Information

Company: Pathfinder Energy
Address: 11997 FM 529
City, State, Zip: Houston, TX 77041
Contact: Ken Mabry **Title:** HSE Manager
Phone No: 713-996-1281 **Fax No:** 713-996-1280
24/hr Phone: 281-924-5489
U.S. EPA I.D. No: Na
State I.D. Na **SIC Code:** NA

SECTION 2: Billing Information – ☒ Same as Above

Company: Pathfinder Energy
Address: 15151 Sommermeyer Street
City, State, Zip: Houston, TX 77041
Contact: Ken Mabry **Title:** HSE Manager
Phone No: 281-924-5489 **Fax No:** 713-996-1280

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Used Oily Rags and Absorbent Pads
Detailed Description of Process Generating Waste: Used Oily rags and absorbent pads from cleaning up oil spills .

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

Color: Varies **Odor:** None

Specific Gravity (water=1): .9-1.5 **Density:** 7.5 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): 1-20 **Other:** ____
Texas State Waste Code No: Recycled
Proper U.S. DOT Shipping Name: Recyclable Used Oily Rags and Absorbent Pads
Class: Na **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	Na	0mg/l	0mg/l	95-100%

Oil&Grease	TOC	Zinc	Copper	Nickel
Namg/l	Namg/l	Namg/l	Namg/l	Namg/l

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EPAHO111000452

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Used and Unused Hydrolic and Lube Oils	1-5	%
Absorbent Pads and Oily Rags	95-99	%

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):
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:** 10/20/06

Printed Name/Title: No Signature Required Ken Mabry

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CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: _____

Date: 10-24-06 Approved Rejected REC

Approval Number: 1884

EPAHO111000453

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

EPAHO111000454

(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.

EPAHO111000455

Lubrizol - Bayport 1985
Prof # 1885-

EPAHO11100456

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/24/2006**

Dear **Jan McClain**

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

CES Profile # 1885

Generator: Lubrizol - Bayport
Address: 12801 Bay Area Blvd. (Attn: Frank Hejtmanek)
Pasadena, TX 77507

Waste Information

Name of Waste: Product - CC Eliminator
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Unused off-spec product for degassing/cleaning
Color: orange **Odor:** citrus **pH:** 4-11
Physical State:
Incompatibilities: See MSDS
Safety Related Data/Special Handling:
none

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

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

#1885

SECTION 1: Generator Information

Company:	The Lubrizol Corporation		
Address:	12801 Bay Area Boulevard		
City, State, Zip:	Pasadena, TX 77507		
Contact:	Jan McClain	**Title:**	EH&S Coordinator
Phone No:	(832) 260-7601	**Fax No:**	(832) 260-7701
24/hr Phone:	Same		
U.S. EPA I.D. No:	TXD000642348		
State I.D.	30325	**SIC Code:**	N/A

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: PRODUCT - CC Eliminator
Detailed Description of Process Generating Waste: Unused off-spec product for degassing/cleaning

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

Color: Orange **Odor:** Citrus

Specific Gravity (water=1): 1.0 **Density:** 8.34 lbs/gal

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

Container Type:	☐	**Drum**	☐	**Tote**	☒	**Truck**	☐ **Other (explain)**
Container Size:						1,000 gal	

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

Number of Units (containers): 1 **Other:** One-Time

Texas State Waste Code No: N/A - Product

Proper U.S. DOT Shipping Name: Non-DOT Regulated Citrus Based Cleaner

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	4-11	<50mg/l	<50mg/l	<1%

Oil&Grease	TOC	Zinc	Copper	Nickel
0mg/l	N/Amg/l	N/Amg/l	N/Amg/l	N/Amg/l

EPAHO111000458

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
CC Eliminator	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
See MSDS

SECTION 8: Generator's Knowledge Documentation

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

TCLP Metals: N/A - Product
TCLP Volatiles: N/A - Product
TCLP Semi-Volatiles: N/A - Product
Reactivity: N/A - Product
Corrosivity: N/A - Product
Ignitability: N/A - Product

SECTION 9: Generator's Certification

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

Authorized Signature: N/A **Date:** 10/18/2006

Printed Name/Title: No Signature Required - PRODUCT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 10-24-06 Approved Rejected

Approval Number: 1885

Additional Information: Product

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

EPAHO111000460

(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.

EPAHO111000461

250

CES Environmental Services, Inc.

Sample Evaluation Form

Sample ID # 00047 **Date** 10 / 17 / 2006

Please Complete This Section

Generator / Customer Name :	LUBRIZOL, BAYPORT
Name or Type of Waste :	UNUSED DEFOAMING AGENT
Process Generating Waste :	UNUSED PRODUCT
Number of Samples :	1 **Submitted By :** SEAN DIXTON
Analysis To Be Completed :	WW EVALUATION
Turnaround Time :	24 HRS
Other :	N/A

(Lab Use Only)

Sample Results : PH 7.4 w/w TREATMENT GOOD

Suggested Method of Treatment : _____

Suggested Price Range : $250

Sample Results Reported to SE

Test Completed By : AC **Date :** 10, 18, 06 **Time:** 1:00 pm

White - CES Salesperson Copy Pink - Processing Facility Copy

CC-ELIMINATOR PLUS™

- **Removal of Benzene, Hydrogen Sulfides and Pyrophoric Iron**
- **One-Step Decontamination Vapor Phase and Circulation**
- **Reduces Turnaround Time**
- **Biodegradable and Waste Treatment System Compatible**
- **Compatible with all Metals**

Clean Concepts LLC: 265 BlueJay Lane, Port Ludlow WA 98365 360-437-0861

CC-Eliminator Plus™ for the decontamination of Benzene/H^2S/Pyrophoric Iron

GENERAL DESRIPTION:

CC-Eliminator Plus™ is designed to reduce levels of benzene, eliminates hydrogen sulfide and pyrophoric iron present in refining vessels, tanks and process loops. CC-Eliminator Plus™ can be used as a one step decontamination process handling both the degassing and degreasing in the same treatment.

PROPERTIES:

PH..... 7.8
Appearance..... Clear
Foam..... Moderate
Biodegradability... 100%
Odor..... Slight
Density..... 1.0

USING PROCEDURES:

Analysis of the waste to be treated for total sulfides will best determine the amount of CC-Eliminator Plus™ needed for treatment. Contact your Clean Concepts representative to analyze and test for the best recommendation. Inject CC-Eliminator Plus™ into the process loop or mist into the vessel. CC-Eliminator Plus™ reacts with the hazardous compounds and binds them in the water where they can be dropped out in the waste treatment process and disposed of in non-hazardous sludge form. Some fresh water rinsing may be required to remove loose iron particles.

MATERIAL SAFETY:

Compatible with all metallurgy

STORAGE:

Store in container inside at temperatures above freezing. Reseal container after withdrawal of product.

PRECAUTIONS:

Please refer to the label and the Material Safety Data Sheet for all warnings, recommendations for safety equipment, and other regulatory information.

MATERIAL SAFETY DATA SHEET

Complies with the OSHA Hazard Communication Standards

29 CFR 1910.1200

Product: CC- Eliminator Plus™

Name & Address Clean Concepts LLC 265 Blue Jay Lane Port Ludlow, WA 98365	**Emergency Telephone Number** 360-437-0861 **Telephone Number for Information** 360-437-0861 **Date Prepared** July 7, 1999

Hazard Rating:	**Health**	**Flammability**	**Reactivity**	**Special/PPE***
NFPA:				
HMIS:	1	0	0	B

Key **4 = Extreme** **3 = High** **2 = Moderate** **1 = Slight** **0 =Insignificant**
COR = Corrosive **AC = Acid** **ALK = Alkaline** **OX = Oxidizer** ***PPE = HMIS Personal Equip.Code**

Section II – Hazardous Ingredients/Identify Information

CAS	Chemical Ingredients	% ACCIH/TLV	OSHA/PE	Hazard

0 = Nonregulated **1 = OSHA** **2 = State RTK** **3 = SaRa 311/312** **4 = 313**

Section III – Physical/Characteristics

Boiling Point	214° F	**Specific Gravity (H20 = I)**	1
Vapor pressure	22.6	**Melting Point**	N/A
Vapor Density (Air = 1)	N/A	**Evaporation Rate**	<1
Solubility in Water	100 %	**pH 1% Solution**	7.0

Appearance and Odor: Light brown liquid, mild odor.

Section IV – Fire

Flash Point (Method Used):	**Flammable Limits:**	**LEL**	**UEL**
None to boiling		N/A	N/A

Extinguishing Media: Water, water fog

Special Fire Fighting Procedures: Wear full protective gear to prevent skin contact and self-contained breathing

Apparatus.

Unusual Fire and Explosion Hazards: N/A

Section V – Reactivity Data

Stability:	**Unstable**		**Conditions to Avoid:**
	Stable	X	

Incompatibility (Materials to Avoid): Acids, soaps, disinfectants, heavy metals

Hazardous Decompositions or Byproducts: Oxides of Carbons

Hazardous	**May Occur**		**Conditions to Avoid**
Polymerization:	**Will Not Occur**	X	

Section VI – Health Hazard Data

Route(s) of Entry: **Inhalation?** NO **Skin?** NO **Ingestion?** Yes

Health Hazards Acute and Chronic: **ACUTE:** Irritation of eyes, skin and membranes. May be harmful if

Swallowed. Inhalation of mist may cause irritation of nose, throat, and pulmonary membranes.

CHRONIC Same as Acute

Target Organs

Carcinogen: NO **NTP?** NO **LARC Monographs?** NO **OSHA Reg.** NO

Signs and Symptoms of Exposure: Irritation of eyes, skin and membranes. May be harmful if swallowed. Inhalation

Of mist may cause irritation of nose, throat, and pulmonary membranes.

Medical Conditions Generally Aggravated by Exposure: Sensitive skin. Mist may aggravate respiratory disease.

Emergency and First Aid Procedures: **Eyes** Immediately flush thoroughly with fresh water. Get medical attention.

Skin: Flush with fresh water, wash with soap and water. Remove contaminated clothes and shoes.

Ingestion: Give water, induce vomiting. Get medical attention. Never give fluids by mouth or induce vomiting in an Unconscious person.

Inhalation: If inhaled, remove to fresh air. Get medical attention.

Section VII – Precautions for Safe Handling and Use

Spill Procedure: Causes very slippery surface if spilled. Contain spill. Mop up or dilute with water , and discharge

To a sanitary sewer. Large amounts should be packaged and disposed of in accordance with local regulations.

Waste Disposal Method: Use until less than one-inch remains in container. Empty container. Triple rinse container

With water. Add to operation. Remove or deface label before selling or disposing.

Precautions for Handling and Storage: Keep container closed. Do not store above 100 C to prevent decomposition.

Do not store with food.

Other Precautions: **Transport information.** DOT Class not regulated.

Section VIII – Control Measure

Respiratory Protection (Specify Type): Usually not required unless breathing difficulty is experienced.

Ventilation **Local Exhaust:** Normal air dilution

Mechanical General Other: None

Protective Gloves: Chemically resistant **Eye Protection:** Safety glasses or goggles.

Other Protective Clothing or Equipment: Chemically resistant clothing [redacted] otwear. eyewash

Work Hygiene Practices: Standard safety precautions.

TRIMAC (Deer Pa1886

Prof # 1886

EPAHO11100468

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/31/2006**

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 # 1886

Generator: Trimac-DSI Transporters, Inc. (Deer Park)
Address: 2401 Battleground Road
Deer Park, TX 77536

Waste Information

Name of Waste: Used oil
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Oil heel from tankwash and equipment oil changes
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.

DC

CES Environmental Services, Inc.

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

#1886

SECTION 1: Generator Information

Company:	Trimac Transporters		
Address:	2401 Battleground Road		
City, State, Zip:	Deer Park, TX 77536		
Contact:	Ronnie Martin	**Title:**	Washrack Manager
Phone No:	281-478-1000	**Fax No:**	(281) 479-2005
24/hr Phone:			
U.S. EPA I.D. No:	TXD078446820		
State I.D.	30578	**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: Used Oil
Detailed Description of Process Generating Waste: Oil heel from tankwash and equipment oil changes

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

Color: Brown **Odor:** Oil like

Specific Gravity (water=1): 09-095 **Density:** 8 lbs/gal

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

Container Type:	☐	**Drum**	☒	**Tote**	☐ **Truck**	☐	**Other (explain)**
Container Size:		350 gal					

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 5 **Other:** ____
Texas State Waste Code No: Recyclable
Proper U.S. DOT Shipping Name: Non-RCRA/Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >200	**pH** Neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0-5%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000470

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Used Motor oil and hydraulic oil	80-100	%
Water	0-20	%
Dirt	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.
Chlor-D Tect upon arrival

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: N/A **Date:** 10-25-06

Printed Name/Title: Ronnie Martin/Washrack Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Blaylock

Date: 10-30-06 Approved Rejected

Approval Number: 1886

Additional Information: REC

EPAHO111000471

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

EPAHO111000472

(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.

EPAHO111000473

Texas Oil Tools 1887
Prof# 1887

EPAHO11100474

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/25/2006**

Dear **Robert**

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 # 1887

Generator: Texas Oil Tools (Brandt NOV)
Address: 2800 North Frazier Street
Conroe, TX 77303

Waste Information

Name of Waste: Glycol from hydrostatic testing of hose
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Glycol material is used for hydrostatic tests and when completed is put into 55 gallon dru for recycling. Also includes automotive antifreeze on occasion.
Color: greenish/blule **Odor:** glycol like **pH:** 8-10
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**

#1887

SECTION 1: Generator Information

Company:	Texas Oil Tools (Brandt NOV)		
Address:	2800 N. Frazier		
City, State, Zip:	Conroe, TX 77303		
Contact:	Robert Ybarra	**Title:**	QA Manager
Phone No:	936-523-2749	**Fax No:**	936-756-4809
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD052040409		
State I.D.	36294	**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: Glycol from hydrostatic testing of hose
Detailed Description of Process Generating Waste: Glycol material is used for hydrostatic tests and when completed is put into 55 gallon drums for recycling. Also includes automotive antifreeze on occasion

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

Color: Greenish/blue **Odor:** glycol like

Specific Gravity (water=1): .90-.99 **Density:** 8 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): 6 **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** 8-10	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** <3%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000476

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
MEG	25-50	%
DEG	0-2	%
TEG	0-2	%
PG	0-3	%
Water	40-60	%
Solids as salts and 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.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

The information contained herein is based on ☒ 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:** 10-24-2006

Printed Name/Title: No Signature Required

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert C Thayer

Date: 10-25-06 (Approved) Rejected

Approval Number: 1887

Additional Information: _____

EPAHO111000477

OCEANIC HW525

W. CANNING INC.

CANNING

MATERIAL SAFETY DATA SHEET

(b) (4)

[redacted]

W. CANNING INC.

CANNING

MATERIAL SAFETY DATA SHEET

(b) (4)

[redacted]

Tesla Power & Automat 1888
Prof # 1888

EPAHO11100480

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/27/2006**

Dear **Jody Grimes/Billy Minchew**

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 # 1888

Generator: Tesla Power & Automation
Address: Same

Waste Information

Name of Waste: Wash water
TCEQ Waste Code #: CESQ1131
Container Type:
Detailed Description of Process Generating Waste:
Cleaning and preping of metal prior to painting
Color: brown **Odor:** oil like **pH:** 5-9
Physical State:
Incompatibilities: Oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1888

SECTION 1: Generator Information

Company:	Tesla Power & Automation		
Address:	6510 Bourgeois Road		
City, State, Zip:	Houston, TX 77066		
Contact:	Jody Grimes	Title:	Manager
Phone No:	281-569-0598	Fax No:	281-444-1290
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	CESQG		
State I.D.	CESQG	SIC Code:	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Wash Water
Detailed Description of Process Generating Waste: Cleaning and prepping of metal prior to painting

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

Color: Brown Odor: oil like

Specific Gravity (water=1): 1.00 Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 1000 ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 Other: ____
Texas State Waste Code No: CESQ1131
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
>140	5-9	0mg/l	0mg/l	<3%

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 %
Wash Water	80-90	%
Detergents	5-10	%
Oil	0-2	%
Rust Scale, dirt etc.	0-3	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
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:** 10/19/06

Printed Name/Title: Jody Grimes Plant Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 10-26-06 Approved Rejected IL

Approval Number: 1888

EPAHO111000483

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6100102
Client Sample ID: Oily Water
Extended ID: Tesla Power

Sample Collect Date: 9/28/2006 @ 11:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 10/4/2006 @ 5:05:00 PM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	**0.019**	**mg/L**	10/6/2006 / 3:11 PM
Barium	0.0005	100	**0.0458**	**mg/L**	10/6/2006 / 3:11 PM
Cadmium	0.002	1	< 0.002	mg/L	10/6/2006 / 3:11 PM
Chromium	0.002	5	**0.011**	**mg/L**	10/6/2006 / 3:11 PM
Lead	0.005	5	< 0.005	mg/L	10/6/2006 / 3:11 PM
Selenium	0.024	1	**0.036**	**mg/L**	10/6/2006 / 3:11 PM
Silver	0.002	5	< 0.002	mg/L	10/6/2006 / 3:11 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	**0.0010**	**mg/L**	10/6/2006 / 8:37 PM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	10/5/2006 / 2:00 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25	< 0.25	mg/kg	10/5/2006 / 2:45 PM

Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**5.45**		10/5/2006 / 9:45 AM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DB Date / Time
Flashpoint		**>150**	**deg F**	10/5/2006 / 10:15 AM

EPAHO111000484

- CERTIFICATE OF RESULTS -

MES Lab#: 6100102

Client Sample ID: Oily Water
Extended ID: Tesla Power

Sample Collect Date: 9/28/2006 @ 11:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 10/4/2006 @ 5:05:00 PM

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

Holland D. Gilmore, Laboratory Director

Monday, October 09, 2006
Date

6100102

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	3.58	3.58	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	103

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.46	< 0.002	92.6	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
Rec=Percent Recovery

Signature: _____ October 9, 2006
Holland D. Gilmore / Laboratory Director

MES - CHAIN OF CUSTODY

Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
1-800-771-4MES
(281) 476-4534
Fax (281)-476-4406

1

COMPANY NAME: (BILL TO:) CES Environmental

COMPANY ADDRESS:

CITY _____ STATE _____ ZIP _____

CONTACT PERSON'S NAME: Gary Brauckman

CONTACT PERSON'S PHONE: 713-417-5737 FAX #:

2

YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
Tesla Power	UBLGB	Tesla power - Oilywater

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP	DATE	TIME	MATRIX	TCLP (8) metals	RCI						NUMBER OF CONTAINERS	PRESERVATIONS	REMARKS
Oilywater	Comp	9-28-06	11:00AM	Liq										
														Onice

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.): a. Gary Brauckman b. [signature]

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
[signature]	10-4-06	1655	[signature]

7

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)

METHOD OF PAYMENT	SHIPPED BY: (Signature)	COURIER (Signature)	RECEIVED FOR MES BY: (Signature)	DATE	TIME
			[signature]	10/4/06	1705

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

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

EPAHO111000488

(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.

EPAHO111000489

United Polymer Technology 1889
Prof# 1889

EPAHO111000490

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/27/2006**

Dear **Susan Cochran**

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 # 1889

Generator: United Polymer Technology
Address: 11327 Tanner Road
Houston, TX 77041

Waste Information

Name of Waste: Empty drum containers
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Empty product containers
Color: various **Odor:** none **pH:** neutral
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#1889

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:	United Polymer Technology		
Address:	11327 Tanner Road		
City, State, Zip:	Houston, TX 77041		
Contact:	Susan Cochran	Title:	EHS Mgr.
Phone No:	713-937-8300	Fax No:	713-937-8304
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXP490343524		
State I.D.	XXX12	SIC Code:	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Empty Drum 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): 20 Other:
Texas State Waste Code No: Recyclable Material
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >140	pH neutral	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 100%
Oil&Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty Metal Drums	80-90	%
Empty Poly Drums	10-20	%

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.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: [signature] **Date:** 10/26/06

Printed Name/Title: ____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rabhan Thayer Additional Information: ____

Date: 10-27-06 Approved Rejected ____

Approval Number: 1889

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

EPAHO111000494

(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.

EPAHO111000495

Angel Brothers
Prof # 1890

1890

EPAHO11100496

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **2/26/2008**

Dear **Rick Sinclair**

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 # 1890

Expiration Date 11/1/2008

Generator: Angel Brothers
Address: PO Box 57
Baytown, TX 77522

Waste Information

Name of Waste: Sump sludge
TCEQ Waste Code #: CESQ6031
Container Type:
Detailed Description of Process Generating Waste:
Removal of sump sludge
Color: dark **Odor:** none **pH:** 8-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company :	Angel Brothers		
Address :	PO Box 57 PO Box 57		
City, State, Zip :	Baytown TX 77522		
Contact :	Rick Sinclair	**Title :**	
Phone No :	(281) 421-5721	**Fax :**	(821) 421-2344
24 / HR Phone :			
U.S EPA I.D No :	N/A		
State I.D :	N/A	**SIC Code**	N/A

SECTION 2: Billing Information

Company :	Angel Brothers		
Address :	PO Box 57 PO Box 57		
City, State, Zip :	Baytown TX 77522		
Contact :	Rick Sinclair	**Title :**	
Phone No :	(281) 421-5721	**Fax :**	(821) 421-2344

SECTION 3: General Description of the Waste

Name of Waste : Sump sludge

Detailed Description of the Process Generating Waste:

Removal of sump sludge

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

Color : dark **Odor :** none

Specific Gravity (Water=1) : 1-1.1 **Density :** 8 lbs / gal

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

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

Layers : ☐ Single-Phas ☑ Multi-Phase

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

Container Size : 3000

Number Of Units : 1

Texas State Waste Code No : CESQ6031

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

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

EPAHO111000498

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	8-11	na mg/l	na mg/l	20-30 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500 mg/l	>1500 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	50-70	%
sand, silt, rocks	20-30	%
oil/diesel	5-15	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Environ Analysis #50787.01

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 :

TCLP Semi-Volatiles :

Reactivity : no reactive materials in waste or generating process

Corrosivity : pH adjusted prior to shipment

Ignitability : no flammable materials in waste or in generating 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 : _____ **Date :** 10/31/2006

Printed Name / Title : Bobby Fehring /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

$0.50/gallon
REDIRECT

Compliance Officer : Prabhakar Thangudu

Date : 11/1/2006 Status : Approved Rejected

Approval Number : 1890

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

(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.

EPAHO111000501

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: 50787.01

Customer: **CES Env. Svcs.**
Project ID: **Angel Brothers**
Project Loc: **West Rd. Baytown, TX**
Charge/P.O.:

Sample ID: **Wash Rack Sump Sludge**
Matrix: **Sludge**
Type: **Comp.**

Environ ID: **50787.01**
Sampled: **06-28-05**
Received: **06-28-05**
Reported: **07-06-05**

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	14:47
Toluene	< 0.001	mg/kg	--	0.001	SW846.8021B	DMB	07-06-05	14:47
Ethylbenzene	< 0.001	mg/kg	--	0.001	SW846.8021B	DMB	07-06-05	14:47
Xylenes	< 0.003	mg/kg	--	0.003	SW846.8021B	DMB	07-06-05	14:47
Total BTEX	< 0.006	mg/kg			SW846.8021B	DMB	07-06-05	14:47
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	1,815	mg/kg	--	500	TCEQ 1005.03	CR	07-01-05	03:42
DRO (Diesel Range)	18,870	mg/kg	--	500	TCEQ 1005.03	CR	07-01-05	03:42
ORO (Oil Range)	7,348	mg/kg	--	500	TCEQ 1005.03	CR	07-01-05	03:42
TOTAL TPH	28,033	mg/kg	--	500			07-01-05	03:42
RCI								
Reactive Cyanide	< 20	mg/kg	250	20	SW846.7.3.3	DB	07-01-05	07:30
Reactive Sulfide	< 20	mg/kg	500	20	SW846.7.3.4	DB	07-01-05	07:30
Corrosivity (Ph)	9.16	su	=>2; =<12.5	--	SW846.9045C	MN	06-29-05	09:20
Ignitability	> 160	°F	> 140	--	SW846.1010	JK	07-06-05	14:00
METALS (RCRA) - TCLP					SW846.1311	MN	06-28-05	
Antimony	0.98	mg/l	1.0	0.08	SW846.6010B	DB	06-30-05	10:25
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	06-30-05	10:25
Barium	0.70	mg/l	100	0.02	SW846.6010B	DB	06-30-05	10:25
Beryllium	< 0.05	mg/l	0.08	0.05	SW846.6010B	DB	06-30-05	10:25
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	06-30-05	10:25
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	06-30-05	10:25
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	DB	06-30-05	10:25
Nickel	< 0.05	mg/l	70.0	0.05	SW846.6010B	DB	06-30-05	10:25
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	06-30-05	10:25
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	DB	06-30-05	10:25
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	06-30-05	08:00

Definitions:
TCLP - Toxcisity Charasteric Leaching Proceduresu - Standard Units
REG - Regulatory Limit (User Should Confirm Lim TPH - Total petroleum Hydrocarbons
MQL - Method Quanitation Limit
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO111000502

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	BTEX	METHOD:	EPA SW846/5030/8021B	MATRIX:	Soil

ANALYST:	dmb	UNITS:	mg/kg	NO.SAMPLES:	20

SAMPLES:	50773-01	50773-02	50773-03	50773-05	50773-06	50775-01	50775-02	50777-01
	50778-01	50783-01	50783-02	50783-03	50783-04	50783-05	50787-01	50788-01
	50790-01	50791-01	50792-01	50793-01				

MATRIX 50773-01	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%)	
									REC-RANGE	RPD
BENZ	0	95	105	110	101	8	110	0	60 - 120	20
TOL	0	95	93	97	92	5	104	0	60 - 120	20
ETBZ	0	95	100	104	93	11	103	0	60 - 120	20
XYLS	0	286	262	92	84	9	96	0	60 - 120	20
MTBE	0	95	78	81	75	8	83	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 7/12/05

JOHN KELLER, Ph.D DATE
Lab.Dir./QA-QC Mgr.

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	TPH	METHOD:	TNRCC 1005.3

ANALYST:	cr/dmb	MATRIX:	SOIL	UNITS:	mg/kg	SAMPLES:	19

SAMPLES:	50770.01	50771-01	50771-02	50773-01	50773-02	50773-03	50773-04
	50773-05	50773-06	50775-01	50775-02	50778-01	50783-01•	50783-02•
	50783-03•	50783-04•	50783-05•	50784.01	50787-01		

SAMPLE	MB	CCV	LCS	MS	MSD	MS-MSD	QC LIMITS	
50773-01	mg/kg	REC	REC	REC	REC	RPD	REC	RPD
GRO RESULT	<50	94	85	80	86	8	70 - 130	30
DRO RESULT	<50	121	100	100	106	6	70 - 130	30

John Keller 06-29-05

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:	06.30.05	UNITS:	PPM (mg/l)	NO.SAMPLES:	7

SAMPLES:	50791.01	50790.01	50789.01	50792.01	50793.01	50787.01	50788.01	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS — BATCH ID: 50791.01

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	4.73	95	98	3	92	0	75 - 125	20
Barium	0.00	5	4.81	96	99	3	96	0	75 - 125	20
Cadmium	0.00	5	4.76	95	98	3	97	0	75 - 125	20
Chromium	0.00	5	4.80	96	99	3	93	0	75 - 125	20
Lead	0.00	5	4.80	96	99	3	96	0	75 - 125	20
Selenium	0.00	5	4.73	95	97	3	94	0	75 - 125	20
Silver	0.00	5	4.59	92	94	3	88	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: 06.30.05	UNITS: mg/l	NO.SAMPLES: 7

SAMPLES:	50787.01	50788.01	50789.01	50790.01	50791.01	50792.01	50793.01	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Fluid #1	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF	QC LIMITS RECOV.	QC LIMITS DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	100	0	1	60 - 120	20

JOHN KELLER, Ph.D
Laboratory Director

Page 1 of 1

5 days

ENVIRON
Express Laboratories

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308

Results To: CES Env	Invoice To: CES Env.	TAT (WORKING DAYS) CIRCLE ONE 1 2 3 5	
Company: CES Env.	Company: CES Env.	LAB LOT #	COC Present? Yes No
Address:	Address:	Shipment Sealed? Yes No	Samples Sealed? Yes No
City State: Zip:	City: State: Zip:	Received on Ice? Yes No	Samples Intact? Yes No
Phone:	Phone:	Cooler Temp. (°C)	Preservative Shown? Yes No NA
Fax:	Fax:		
e-Mail:	PO#: Quote#:	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: Angel Brothers
Project Location: West Rd., Baytown, TX
Project No:
Sampler (Print): Matt Bowman
Sampler (Sign): Matt Bowman

Sampler Remarks:

			2 Cntr. Type															
			Number															
			Volume															
			3 Preservative															
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	TPH					
	1) Wash Rack Sump sludge	6-28-05 3:00PM	sludge	comp	X						X	X	X					
	2)																	
	3)																	
	4)																	
	5)																	
	6)																	
	7)																	
	8)																	
	9)																	
	10)																	

Remarks & Additional Analyses

* report All 11 metals

Relinquished By: Matt Bowman	Company: CES Env	Date/Time: 6-28-05 / 3:45PM	Received By: [signature]	Company: [illegible]
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.

EPAHO111000507

United Polymer Technology 1891
Prof # 1891

EPAHO11100508

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/27/2006**

Dear **Susan Cochran**

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 # 1891

Generator: United Polymer Technology
Address: 11327 Tanner Road
Houston, TX 77041

Waste Information

Name of Waste: Polymerized resin with water and resin residue
TCEQ Waste Code #: FGNB6061
Container Type:
Detailed Description of Process Generating Waste:
Collection of polymerized resin mixed with water from rain
Color: brown/tan **Odor:** slight organic **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

#1891

23

SECTION 1: Generator Information

Company:	United Polymer Technology		
Address:	11327 Tanner Road		
City, State, Zip:	Houston, TX 77041		
Contact:	Susan Cochran	Title:	EHS Mgr.
Phone No:	713-937-8300	Fax No:	713-937-8304
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXP490343524		
State I.D.	XXX12	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: Polymerized Resin/with water and resin residue
Detailed Description of Process Generating Waste: Collection of polymerized resin mixed with water from rain

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

Color: brown/tan Odor: slight organic

Specific Gravity (water=1): 1.5 Density: 12 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☒ Tote ☐ Truck ☐ Other (explain)
Container Size: 300 gal 2 ____ ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 40 Other: ____
Texas State Waste Code No: PCNB6061
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >160	pH neutral	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 10-50%
Oil&Grease >1500mg/l	TOC >1600mg/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 %
Polymerized Resin	20-100	%
Sand	0-5	%
Water	50-90	%

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.
MSDS and analysis — See MSDS Attached to Resin & Sand profile # 1893

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: ____

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:** 10/26/06

Printed Name/Title: VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature]

Date: 10-27-06 **Approved** / **Rejected**

Approval Number: 189

Additional Information: OSL

EPAHO111000511

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

EPAHO111000512

(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.

EPAHO111000513

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6100712
Client Sample ID: Resin / Water
Extended ID: United Polymer

Sample Collect Date: 10/26/2006 @ 9:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 10/26/2006 @ 11:30:00 AM

Test Group / Method

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DEB Date / Time
Flashpoint		>150	deg F	10/26/2006 / 12:45 PM

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

Thursday, October 26, 2006

Holland D. Gilmore, Laboratory Director **Date**

EPAHO111000514

6100712

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	STD
Flashpoint	82°F

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: _____ October 26, 2006
Holland D. Gilmore / Laboratory Director

MES - CHAIN OF CUSTODY

1-800-771-4MES
(281) 476-4534
Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
Fax (281)-476-4406

1 COMPANY NAME: (BILL TO:) CES

COMPANY ADDRESS:

CITY STATE ZIP

CONTACT PERSON'S NAME: Gary Brauchman

CONTACT PERSON'S PHONE: 713-417-5737 FAX #:

2 YOUR PROJECT NO.: United Polymer | YOUR P.O. #: VBL Gary | YOUR PROJECT NAME: United Polymer

PROJECT ADDRESS:

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.

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	Flash Point	NUMBER OF CONTAINERS	PRESERVATIONS
3 Resin/water	C	10-26-06	9:00	Liq	✓	1	

20°C

6 PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): a. Gary Brauchman b.

RELINQUISHED BY: (Signature) | DATE 10-26-06 | TIME 11:30 | RECEIVED BY: (Signature) Mandy Dr

7 RELINQUISHED BY: (Signature) | DATE | TIME | RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) | DATE | TIME | RECEIVED BY: (Signature)

METHOD OF PAYMENT | SHIPPED BY: (Signature) | COURIER (Signature) | RECEIVED FOR MES BY: (Signature) Mandy Dr | DATE 10/26/06 | TIME 1130

8 Sample Remainder Disposal

☐ Return Sample Remainder To Client Via

☒ Request Lab To Dispose Of All Sample Remainders

(Signature) (Date) 10-26-06

Form # MES - COR

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

PAGE 03 MES -2814764406 10/26/2006 12:48 EPAHO111000516

OXID, L.P. 1892
Prof# 1892

EPAHO111000517

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/2/2006**

Dear **Carol Brubaker**

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 # 1892

Generator: Oxid , L.P.
Address: 101 Concrete St.
Houston, TX 77021

Waste Information

Name of Waste: Non-hazardous waste water tank-19
TCEQ Waste Code #: 00011011
Container Type:
Detailed Description of Process Generating Waste:
Mostly rain water collected from plant and plant processing areas. This water is usually discharged to the city of Houston by Oxid.
Color: clear to yellow **Odor:** mild **pH:** 2-6
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.

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water Rain Water	85-99	%
Glycols	0-10	%
Sand and Grit	0-10	%
1-4 Dioxan	0-3	%

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: ____
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: Jeff Ritcheson **Date:** 11/02/06

Printed Name/Title: Jeff Ritcheson/HSE

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Barbara Ingram Date: 11-2-06 (Approved) Rejected Approval Number: 1892	IL

EPAHO111000519

(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.

EPAHO111000520

LABORATORY TEST RESULTS

A&B Job ID 85320 — Date: 10/31/2006

CUSTOMER: Oxid L.P. — PROJECT: Tank 19 — ATTN: Jeff Ritcheson

Customer Sample ID: Tank 19
Date Collected: 10/25/2006
Time Collected:
Sample Loc./Other Info:

Job Sample ID: 85320-01
Sample Matrix: Water

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 7.3	**Reactivity**								
	Reactive Cyanide	BRL	mg/L	1	25			10/30 9:00	KS
	Reactive Sulfide	40	mg/L	1	25			10/27 17:15	KS
SW-846 1010	**Ignitability**								
	Ignitability	>150	°F	1				10/27 9:30	KS
SW-846 9040C	**Corrosivity**								
	pH	5.15	pH units	1				10/26 15:45	KS
SW-846 6010B	**TCLP Metals**								
	Arsenic	BRL	mg/L	1	0.1	1.8		10/30 12:47	SEC
	Barium	BRL	mg/L	1	0.1	100		10/30 12:47	SEC
	Cadmium	BRL	mg/L	1	0.1	0.5		10/30 12:47	SEC
	Chromium	BRL	mg/L	1	0.1	5		10/30 12:47	SEC
	Lead	BRL	mg/L	1	0.1	1.5		10/30 12:47	SEC
	Selenium	BRL	mg/L	1	0.5	1		10/30 12:47	SEC
	Silver	BRL	mg/L	1	0.1	5		10/30 12:47	SEC
SW-846 7470A	**TCLP Mercury**								
	Mercury	BRL	mg/L	1	0.002	0.2		10/26 13:04	SEC

** BRL - Below Reporting Limit

EPAHO111000521

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

QUALITY CONTROL CERTIFICATE

Report Date: 10/31/2006

Job ID: 85320

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
Cadmium	SW-846 6010B	BRL	2	1.87	1.80	94	90	3.8	<25	56-125	Q103006mt	85292-01	
Chromium	SW-846 6010B	0.12	2	1.91	1.84	90	86	4.0	<25	52-125	Q103006mt	85292-01	
Lead	SW-846 6010B	BRL	2	1.69	1.62	85	81	4.2	<25	55-125	Q103006mt	85292-01	
Selenium	SW-846 6010B	BRL	2	1.96	1.88	98	94	4.2	<25	18-137	Q103006mt	85292-01	
Silver	SW-846 6010B	BRL	2	1.84	1.76	92	88	4.4	<25	26-148	Q103006mt	85292-01	
Mercury	SW-846 7470A	BRL	0.005	0.0046	0.0047	92	94	2.2	<35	61-175	Q102606hgt	85271-01	

QCType: Method Blank Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Reactive Sulfide	SW-846 7.3		BRL	mg/L	1	25	Q102706RSulf	Reactivity	
Reactive Cyanide	SW-846 7.3		BRL	mg/L	1	25	Q103006RCyn	Reactivity	
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1	0.1	Q103006mt	TCLP Metals	
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q103006mt	TCLP Metals	
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q103006mt	TCLP Metals	
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q103006mt	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q103006mt	TCLP Metals	
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q103006mt	TCLP Metals	
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q103006mt	TCLP Metals	
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q102606hgt	TCLP Mercury	

** BRL-Below Reporting Limit

R1-RPD exceeds control limits.

EPAHO111000522

Sample Condition Checklist

Date : 10/31/2006

A&B JobID : 85320	Date Received : 10/25/2006	Time Received : 04:18 PM
Client Name : Oxid L.P.		
Temperature : 9°C	Sample pH : N/A	

	Check Points	Yes	No
1.	Cooler seal present and signed.		X
2.	Sample(s) in a cooler.	X	
3.	If yes, ice in cooler.	X	
4.	Sample(s) received with chain-of-custody.	X	
5.	C-O-C signed and dated.	X	
6.	Sample(s) received with signed sample custody seal.		X
7.	Sample containers arrived intact. (If no comment).	X	
8.	Matrix : Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐		
9.	Sample were received in appropriate container(s).	X	
10.	All samples were logged or labeled.	X	
11.	Sample ID labels match C-O-C ID's	X	
12.	Bottle count on C-O-C matches bottles found.	X	
13.	Sample volume is sufficient for analyses requested.	X	
14.	Samples were received within the hold time.	X	
15.	VOA vials completely filled.	N/A	
16.	Sample accepted.	X	

Comments : Include actions taken to resolve discrepancies/problem:

Sample cooling was initiated in the field.

Received by : Kroessler

Check in by/date : Kroessler / 10/25/2006

LABORATORY TEST RESULTS

A&B Job ID 85350 — Date: 10/30/2006

CUSTOMER: Oxid L.P. — PROJECT: Tank 105 — ATTN: Jeff Ritcheson

Customer Sample ID: Tank 105
Date Collected: 10/26/2006
Time Collected: 10:00
Sample Loc./Other Info:

Job Sample ID: 85350-01
Sample Matrix: Water

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 7.3	**Reactivity**								
	Reactive Cyanide	BRL	mg/L	1	25			10/30 9:00	KS
	Reactive Sulfide	40	mg/L	1	25			10/27 17:15	KS
SW-846 1010	**Ignitability**								
	Ignitability	>150	°F	1				10/27 9:30	KS
SW-846 9040C	**Corrosivity**								
	pH	5.41	pH units	1				10/26 16:30	KS
EPA 200.7	**Total Metals**								
	Arsenic	BRL	mg/L	1	0.01			10/29 16:23	SEC
	Barium	0.14	mg/L	1	0.01			10/29 16:23	SEC
	Cadmium	BRL	mg/L	1	0.01			10/29 16:23	SEC
	Chromium	0.04	mg/L	1	0.01			10/29 16:23	SEC
	Lead	0.01	mg/L	1	0.01			10/29 16:23	SEC
	Selenium	0.09	mg/L	1	0.05			10/29 16:23	SEC
	Silver	BRL	mg/L	1	0.01			10/29 16:23	SEC
EPA 245.1	**Total Mercury**								
	Mercury	BRL	mg/L	1	0.002			10/30 11:33	SEC

** BRL - Below Reporting Limit

EPAHO111000524

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

QUALITY CONTROL CERTIFICATE

Report Date: 10/30/2006

Job ID: 85350

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
Cadmium	EPA 200.7	BRL	1	0.96	0.93	96	93	3.2	<20	69-115	Q102906ml3	85351-01	
Chromium	EPA 200.7	BRL	1	0.97	0.96	97	96	1.0	<20	60-122	Q102906ml3	85351-01	
Lead	EPA 200.7	BRL	1	0.95	0.94	95	94	1.1	<36	50-122	Q102906ml3	85351-01	
Selenium	EPA 200.7	BRL	1	0.95	0.94	95	94	1.1	<30	57-125	Q102906ml3	85351-01	
Silver	EPA 200.7	BRL	1	0.93	0.93	93	93	0.0	<20	35-135	Q102906ml3	85351-01	
Mercury	EPA 245.1	BRL	0.005	0.0053	0.005	106	100	5.8	<35	80-120	Q103006hgl	85362-09	

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Reactive Sulfide	SW-846 7.3		BRL	mg/L	1	25	Q102706RSulf	Reactivity	
Reactive Cyanide	SW-846 7.3		BRL	mg/L	1	25	Q103006RCyn	Reactivity	
Arsenic	EPA 200.7	7440-38-2	BRL	mg/L	1	0.01	Q102906ml3	Total Metals	
Barium	EPA 200.7	444-39-3	BRL	mg/L	1	0.01	Q102906ml3	Total Metals	
Cadmium	EPA 200.7	7440-43-9	BRL	mg/L	1	0.01	Q102906ml3	Total Metals	
Chromium	EPA 200.7	7440-47-3	BRL	mg/L	1	0.01	Q102906ml3	Total Metals	
Lead	EPA 200.7	7439-92-1	BRL	mg/L	1	0.01	Q102906ml3	Total Metals	
Selenium	EPA 200.7	7782-49-2	BRL	mg/L	1	0.05	Q102906ml3	Total Metals	
Silver	EPA 200.7	7440-22-4	BRL	mg/L	1	0.01	Q102906ml3	Total Metals	
Mercury	EPA 245.1	7439-97-6	BRL	mg/L	1	0.002	Q103006hgl	Total Mercury	

** BRL-Below Reporting Limit

R1-RPD exceeds control limits.

EPAHO111000525

Sample Condition Checklist

Date : 10/30/2006

A&B JobID : 85350	Date Received : 10/26/2006	Time Received : 11:46 AM
Client Name : Oxid L.P.		
Temperature : 9°C	Sample pH : <2 (Metals)	

	Check Points	Yes	No
1.	Cooler seal present and signed.		X
2.	Sample(s) in a cooler.	X	
3.	If yes, ice in cooler.	X	
4.	Sample(s) received with chain-of-custody.	X	
5.	C-O-C signed and dated.	X	
6.	Sample(s) received with signed sample custody seal.		X
7.	Sample containers arrived intact. (If no comment).	X	
8.	Matrix : Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐		
9.	Sample were received in appropriate container(s).	X	
10.	All samples were logged or labeled.	X	
11.	Sample ID labels match C-O-C ID's	X	
12.	Bottle count on C-O-C matches bottles found.	X	
13.	Sample volume is sufficient for analyses requested.	X	
14.	Samples were received within the hold time.	X	
15.	VOA vials completely filled.	N/A	
16.	Sample accepted.	X	

Comments : Include actions taken to resolve discrepancies/problem:

Sample cooling was initiated in the field.

Received by : Kroessler

Check in by/date : Kroessler / 10/26/2006

United Polymer Tech 1893
Prof # 1893

EPAHO111000527

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/27/2006**

Dear **Susan Cochran**

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 # 1893

Generator: United Polymer Technology
Address: 11327 Tanner Road
Houston, TX 77041

Waste Information

Name of Waste: Polymerized resin
TCEQ Waste Code #: FGNB6061
Container Type:
Detailed Description of Process Generating Waste:
Collection of polymerized resin and collection of sand used to clean up resin spills
Color: brown/tan **Odor:** styrene 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

#1893

SECTION 1: Generator Information

Company:	United Polymer Technology		
Address:	11327 Tanner Road		
City, State, Zip:	Houston, TX 77041		
Contact:	Susan Cochran	Title:	EHS Mgr.
Phone No:	713-937-8300	Fax No:	713-937-8304
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXR000343529		
State I.D.	XXXX2	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: Polymerized Resin
Detailed Description of Process Generating Waste: Collection of polymerized resin and the collection of sand used to clean up resin spills

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

Color: brown/tan Odor: styrene 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): 40 Other:
Texas State Waste Code No: FGNB6061
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 100%
Oil&Grease >1600mg/l	TOC >1600mg/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 %
Polymerized Resin	20-100	%
Sand	0-80	%
Trash	0-6	%

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.
MSDS and analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxdizers

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: Scott Cook **Date:** 10/26/06

Printed Name/Title: VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar Thapar **Additional Information:** ____

Date: 10-27-06 Approved Rejected OS

Approval Number: 1893

EPAHO111000530

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

EPAHO111000531

(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.

EPAHO111000532

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6100104

Client Sample ID: Sand w/Polymerized Resin
Extended ID: United Polymer

Sample Collect Date: 10/3/2006 @ 10:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 10/4/2006 @ 5:05:00 PM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	10/6/2006 / 3:25 PM
Barium	0.0005	100	**9.44**	**mg/L**	10/6/2006 / 3:25 PM
Cadmium	0.002	1	**0.002**	**mg/L**	10/6/2006 / 3:25 PM
Chromium	0.002	5	**0.007**	**mg/L**	10/6/2006 / 3:25 PM
Lead	0.005	5	**0.446**	**mg/L**	10/6/2006 / 3:25 PM
Selenium	0.024	1	< 0.024	mg/L	10/6/2006 / 3:25 PM
Silver	0.002	5	< 0.002	mg/L	10/6/2006 / 3:25 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	**0.0008**	**mg/L**	10/6/2006 / 8:39 PM

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	10/5/2006 / 2:00 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25	< 0.25	mg/kg	10/5/2006 / 2:45 PM

Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**9.61**		10/5/2006 / 9:45 AM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DB Date / Time
Flashpoint		**>150**	**deg F**	10/5/2006 / 11:00 AM

EPAHO111000533

- CERTIFICATE OF RESULTS -

MES Lab#: 6100104

Client Sample ID: Sand w/Polymerized Resin
Extended ID: United Polymer

Sample Collect Date: 10/3/2006 @ 10:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 10/4/2006 @ 5:05:00 PM

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

Holland D. Gilmore, Laboratory Director

Monday, October 09, 2006
Date

EPAHO111000534

MES - CHAIN OF CUSTODY

Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
1-800-771-4MES
(281) 476-4534
Fax (281)-476-4406

1

COMPANY NAME: (BILL TO:) CES Environmental

COMPANY ADDRESS:

CITY _____ STATE _____ ZIP _____

CONTACT PERSON'S NAME: Gary Brauchman

CONTACT PERSON'S PHONE: 713-417-5737 FAX #:

2

YOUR PROJECT NO.: United Polymer | YOUR P.O. #: UBL 52 | YOUR PROJECT NAME: United Polymer

PROJECT ADDRESS:

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP(8) metals	RCI						NUMBER OF CONTAINERS	PRESERVATIONS
Drum composite (Liquids)	comp	10-3	10:00am	Liquid	✓	✓						1	None
Sand w/ polymerized Resin	comp	10-3	10:0m	Solid	✓	✓						1	None

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.

onice

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): a. Gary Brauchman b. [signature]

RELINQUISHED BY: (Signature) [signature] DATE 10-4-06 TIME 1655 RECEIVED BY: (Signature) [signature]

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 _____

☒ Request Lab To Dispose Of All Sample Remainders

(Signature) [signature] (Date) 10-4-06

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

EPAHO111000535

HEXION™
Specialty Chemicals

EPIKURE(TM) 3253 Curing Agent

Version *4.1*
Revision Date 06/25/2005

Print Date 07/01/2005

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name	:	EPIKURE(TM) 3253 Curing Agent
Product code	:	K8161
MSDS Number	:	1594
Product Type	:	Curing agent.
Company	:	Hexion Specialty Chemicals, Inc. P. O. Box 4500 Houston, TX 77210 USA
Telephone	:	(832) 486-6700
Emergency telephone number	:	CHEMTREC US Domestic (800) 424-9300 CHEMTREC International (703) 527-3887

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Group : Aliphatic amine

Chemical Name	CAS-No.	Weight %
2,4,6-Tris(dimethylaminomethy) phenol	90-72-2	100 %

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview

Human health hazards : Corrosive to the eyes. Corrosive to the skin. Vapors/mists may be corrosive to upper respiratory tract. Harmful if swallowed. May cause skin sensitization.

Safety hazards : Not classified as flammable but will burn.

SECTION 4. FIRST AID MEASURES

Inhalation : Remove to fresh air. If rapid recovery does not occur, obtain

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medical attention.

Skin contact	:	Remove contaminated clothing. Wash skin with water using soap if available. If rapid recovery does not occur, obtain medical attention.
Eye contact	:	DO NOT DELAY. Flush eye with copious quantities of water. OBTAIN MEDICAL ATTENTION IMMEDIATELY.
Ingestion	:	DO NOT DELAY. Do not induce vomiting. Give water to drink, providing patient is conscious. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Notes to physician

Symptoms	:	Irritation of the skin, eyes and respiratory tract
Treatment	:	Treat symptomatically. In cases of ingestion, consider gastric lavage. Gastric lavage must only be undertaken after cuffed endotracheal intubation in view of the risk of aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water fog, "alcohol foam", dry chemical or carbon dioxide. Water or fog may cause frothing which can be violent, especially if sprayed into containers of hot or burning liquid.
Specific hazards during fire fighting	:	Material will not burn unless preheated. Delayed lung damage (pulmonary edema) can be experienced after exposure to combustion products, sometimes hours after the exposure. Nitrogen oxides and other potentially hazardous nitrogen-containing compounds may be released upon combustion. Cool fire exposed containers with water.
Special protective equipment for fire-fighters	:	Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). including a positive pressure NIOSH approved self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Corrosive.

		May burn although not readily ignitable. Prevent all bodily contact with spilled material. Shut off leaks, if possible without personal risk.
Environmental precautions	:	Dike and contain. Contain run-off and dispose of properly. Prevent from entering into drains, ditches or rivers.
Clean-up methods - small spillage	:	Take up with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal.
Clean-up methods - large spillage	:	Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue.
Additional advice	:	Notify authorities if any exposures to the general public or environment occurs or is likely to occur. See Section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

Handling

Advice on safe handling	:	Do not get in eyes, on skin or on clothing. Do not breathe vapour, mists Do not pressurize drum containers to empty them. Heating this curing agent above 300 Deg. F in the presence of air may cause slow oxidative decomposition; above 500 Deg. F, polymerization may occur. Some epoxy resins can produce exothermic reactions which in large masses can cause runaway polymerization and charring of the reactants. Fumes and vapors from these thermal and chemical decompositions vary widely in composition and toxicity. Do not breathe fumes. Use a NIOSH-approved respirator as required to prevent overexposure. In accord with 29 CFR.1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors. DANGER. Corrosive to skin and eyes. May be corrosive to respiratory tract. May cause skin sensitization. Containers, even those that have been emptied, can contain hazardous product residues. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to

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prevent reuse.

Storage

Requirements for storage areas and containers	:	Keep only in original container. Keep container tightly closed and in a cool, well-ventilated place. Keep container dry.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective measures	:	Wear appropriate respirator and full-body protective clothing.
Engineering measures	:	Use local exhaust ventilation.
Eye protection	:	Monogoggles
Hand protection	:	Neoprene or nitrile rubber gloves gauntlet type
Skin and body protection	:	Do not get on skin, on clothing. Wear chemical-resistant protective clothing such as gloves, outer clothing or apron, overshoes and a face-shield suitable to potential exposure.
Respiratory protection	:	If risk of inhalation, use approved respirator (e.g. CEN, NIOSH/OSHA, AS) as required to prevent over exposure. Use an air-supplied respirator where high concentrations are expected, or an air-purifying respirator for organic vapours (with combined particulate filter if mist is present). Note: an air-supplied respirator should always be used in confined spaces.

Exposure Guidelines

Components with workplace control parameters	Regulation	Exposure time	Value	Remarks
2,4,6-Tris(dimethylaminomethy) phenol	ACGIH			None established.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Colour	:	Amber

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Odour	:	Aminic
Boiling point	:	ca. 316 °C (601 °F)
Flash point	:	157 °C (315 °F) (Closed cup)
Vapour pressure	:	< 1 Pa at 20 °C (68 °F)
Density	:	Typical 970 kg/m3 at 20 °C (68 °F)
Relative vapour density	:	> 1
Partition coefficient (n-octanol/water)	:	log Pow: 0.77 estimated value(s)
Solubility in water	:	Moderate.
Other physico-chemical properties	:	The above properties are typical values only and do not constitute a specification (refer to supplier for supply specification).

8.02 lbs/gall

60.55 lbs/cft $\frac{1 cf}{7.48 gall}$

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Avoid contact with strong oxidizing agents.
Hazardous decomposition products	:	Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed during combustion.
Hazardous reactions	:	Stable under normal use conditions. Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 - Expected to be moderately toxic, 200 < LD50 <= 2000 mg/kg.
Acute dermal toxicity	:	LD50 - Expected to be moderately toxic, 200 < LD50 <= 2000 mg/kg.
Acute inhalation toxicity	:	LC50 - Inhalation of aerosols/mist/sprays/vapours may cause irritation.

Chronic Health Hazard

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Components	Concentration	Regulation	Value	Remarks
2,4,6-Tris(dimethylaminomethy) phenol	100 %	US. IARC Monographs on Occupational Exposures to Chemical Agents		This component has not been classified by the International Agency for Research on Cancer (IARC).

Eye irritation : Severe irritant.

Skin irritation : Severe irritant.

Sensitization : May cause skin sensitization.

Basis for assessment : Information given is based on product data, a knowledge of the components and the toxicology of similar products.

Human effects : See Section 4 for information regarding acute effects to humans.

Potential Health Effects

Inhalation : Vapors/mists may be corrosive to upper respiratory tract.
Repeated or prolonged exposure can result in lung damage.

Skin : Corrosive to the skin.
May cause skin sensitization.

Eyes : Corrosive to the eyes and may cause severe damage including blindness.
Vapors may be irritating.

SECTION 12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability : Expected to be not readily biodegradable.

Bioaccumulation : Not expected to bioaccumulate significantly.

Ecotoxicity effects

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Toxicity to fish	:	Expected to be practically non toxic, LC/EC/IC 50 > 100 mg/l.
Toxicity to algae	:	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l .
Acute toxicity - invertebrates	:	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l .
Sewage treatment	:	Expected to be practically non toxic, LC/EC/IC 50 > 100 mg/l.
Basis for assessment	:	Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar products.

SECTION 13. DISPOSAL CONSIDERATIONS

Product disposal	:	If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT	:	UN/NA-No	2735
		Class	8
		Packing group	III
		ERG No.	153
		Proper shipping name	POLYAMINES, LIQUID, CORROSIVE, N.O.S.
		contains	2,4,6-TRIS[DIMETHYLAMINOMETHYL] PHENOL

Notification status Legend	y = Yes (Listed); AICS = Australian Inventory of Chemical Substances; DSL = Canadian Domestic Substances List; INV(CN) = Inventory of Existing Chemicals Substances in China; ENCS(JP) = Japanese Existing and New Chemical Substances; TSCA = Toxic Substance Control Act; EINECS = European Inventory of New and Existing Chemicals; KECI(KR) = Korean Existing Chemicals Inventory; PICCS(PH) = Philippine Inventory of Chemicals and Chemical Substances

US. EPA CERCLA Hazardous Substances (40 CFR 302)

2,4,6-Tris(dimethylaminomethy) phenol	No RQ

SARA 311/312 Hazards

Acute Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

2,4,6-Tris(dimethylaminomethy) phenol	No De minimis Concentration

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

2,4,6-Tris(dimethylaminomethy) phenol	Threshold Planning Quantity: Not Listed
2,4,6-Tris(dimethylaminomethy) phenol	Reportable quantity: Not Listed

New Jersey Right-To-Know Chemical List

2,4,6-Tris(dimethylaminomethy) phenol	Not Listed

Pennsylvania Right-To-Know Chemical List

2,4,6-Tris(dimethylaminomethy) phenol	Not Listed

Massachusetts Right-To-Know Chemical List

2,4,6-Tris(dimethylaminomethy) phenol	Not Listed

HMIS Rating : Health: 3
Fire: 1
Reactivity: 0

SECTION 16. OTHER INFORMATION

Reference : Prepared in accordance with 29 CFR 1910.1200.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS NUMBER: M900N (SMC spec: 900)

ISSUE DATE: April 18, 2003

PRODUCT NAME: Parachlorobenzotrifluoride

SUPPLIER NAME: Special Materials Company
219-P Berlin Road
Cherry Hill, NJ 08034

24-HOUR EMERGENCY NOS. CHEMTREC: 800-424-9300
OUTSIDE USA: 703-527-3887

TO REQUEST AN MSDS: 866-355-2345
OUTSIDE USA: 646-366-0400

CUSTOMER SERVICE: 866-355-2345

PRODUCT USE: Solvent

CHEMICAL NAME: Benzene, 1-chloro-4 (Trifluoromethyl)

CHEMICAL FORMULA: $C_7H_4C1F_3$

SYNONYMS/COMMON NAMES: PCBTF
Parachlorobenzotrifluoride

1. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER	/ NAME
98-56-6	Benzene, 1-chloro-4- (Trifluoromethyl)-

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EXPOSURE LIMITS	PERCENTAGE	
PEL: Not established	VIL	ND
TLV: Not established	WT	98.50-100
CEL: 25 ppm 8 hr TWA		

COMMON NAMES:
p-CHLOROBENZOTRIFLUORIDE
4-CHLOROBENZOTRIFLUORIDE

Listed On (List Legend Below):
00 19 23 36 51

LIST LEGEND

00 TSCA INVENTORY
19 PA REQUIREMENT – 3% OR GREATER
23 NJ REQUIREMENT – 1% OR GREATER
36 CANADIAN DSL
51 EINECS

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
COMBUSTIBLE LIQUID. MAY CAUSE IRRITATION BY ALL ROUTES OF EXPOSURE. MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION, INCLUDING HEADACHE, DIZZINESS, NAUSEA, LOSS OF BALANCE AND DROWSINESS.

Clear colorless liquid with naphthalenic odor.

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY:
Eyes, Ingestion, Inhalation, Skin.

TARGET ORGANS:
Central Nervous System, Kidneys, Liver

IRRITANCY:
None known.

REPRODUCTIVE EFFECTS:
None known.

CANCER INFORMATION:
Not known to be carcinogenic

SHORT-TERM EXPOSURE (ACUTE)

INHALATION:
May produce symptoms of central nervous system depression, including headache, dizziness, nausea, loss of balance, and drowsiness.

EYES:
May be irritating.

SKIN:
May be irritating.

INGESTION:
Ingestion may cause damage to the lining of the gastrointestinal tract.

See inhalation and repeated exposure.

REPEATED EXPOSURE (CHRONIC):
Prolonged or repeated breathing or swallowing of large amounts may cause liver and kidney damage based on animal studies.

See inhalation and ingestion.

SYNERGISTIC MATERIALS:
None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
None known.

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3. FIRST AID MEASURES

EYES:
IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN:
Wash thoroughly with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

INHALATION:
Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:
DO NOT INDUCE VOMITING. This material is not soluble. DO NOT GIVE FLUIDS. If spontaneous vomiting is inevitable, PREVENT ASPIRATION by keeping the victim's head below the knees. GET IMMEDIATE MEDICAL ATTENTION. A qualified physician can perform gastric lavage only when the airway (trachea) has been secured to prevent aspiration.

NOTES TO PHYSICIAN:
Administration of absorbants, such as activated charcoal, may be of value. Gastric lavage may be effective when performed by a physician within four hours of ingestion.

4. FIREFIGHTING MEASURES

Flash Point: 42.8C (109° F)

Method: TAG CC

Autoignition Temperature: >500° C

FLAMMABLE LIMITS IN AIR, BY % VOLUME

Upper:	10.5
Lower:	0.9

EXTINGUISHING MEDIA:
Foam; dry chemical; carbon dioxide, water fog or spray.

FIREFIGHTING PROCEDURES:
Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service, and eliminate all sources of ignition. Use water spray to keep fire-exposed containers cool to avoid pressure buildup. Wear NIOSH/MSHA-approved positive pressure self-contained breathing apparatus and full protective clothing.

FIRE AND EXPLOSION HAZARD:
Combustible liquid.

Overheated drums may rupture. Heavy vapors can travel to source of ignition and flash back.

SENSITIVITY TO MECHANICAL IMPACT:
Not applicable.

SENSITIVITY TO STATIC DISCHARGE:
Electromagnetic charge may build up during handling. Grounding of equipment is recommended.

5. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
Evacuate unnecessary personnel and eliminate all sources of ignition.

Follow protective measures provided under Personal Protection in Section 8.

ENVIRONMENTAL PRECAUTIONS:
Contain liquids and prevent discharges to streams or sewers, control or stop the loss of volatile materials to the atmosphere. Large leaks may require environmental consideration and possible evacuation. Do not apply water to the leak. Spills or releases should be reported, if required, to the appropriate local, state, and federal agencies.

METHODS FOR CLEANING UP:
If a significant spill occurs, evacuate area. If exposure conditions warrant, wear a NIOSH/MSHA-approved positive pressure self-contained breathing apparatus and full protective clothing. Shut off electrical service and protect from ignition. Contain spill or release with a dike to prevent flow into sewers or streams. Pump into container for disposal or reclamation. Soak up small spills with absorbent material.

6. HANDLING AND STORAGE

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Do not reuse container. Product residue may remain. All labeled precautions MUST be observed.

Ground all equipment before use.

Never enter a pit or tank without following safety procedures – never alone, always with a lifeline, and always with a positive pressure supply of fresh air. Avoid use in confined spaces.

Before using, read Material Safety Data Sheet (MSDS) for this material.

FIRST AID

EYES:
IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN:
Wash thoroughly with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

INHALATION:
Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:
DO NOT INDUCE VOMITING. This material is not soluble. DO NOT GIVE FLUIDS. If spontaneous vomiting is inevitable, PREVENT ASPIRATION by keeping the victim's head below the knees. GET IMMEDIATE MEDICAL ATTENTION. A qualified physician can perform gastric lavage only when the airway (trachea) has been secured to prevent aspiration.

IN CASE OF A SPILL OR LEAK:
Evacuate unnecessary personnel and eliminate all sources of ignition.

Wear full protective equipment and clothing.

Contain spill and pump into marked container for reclamation or disposal.

FIRE:
Foam; dry chemical, carbon dioxide, water fog or spray.

HANDLING AND STORAGE:

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HANDLING:
Avoid breathing vapor; use with adequate ventilation. Wear NIOSH/MSHA-approved respiratory protection if there is a potential for exposure above the exposure limits.

Do not get in eyes, on skin, or on clothing.

Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the MSDS.

Wash thoroughly with soap and water after handling.

Keep away from heat, sparks, pilot lights, welding operations, and open flame.

Do not eat, drink, or smoke in areas where this material is used.

Ground all equipment.

Never enter a pit or tank without following safety procedures – never along, always with a lifeline, and positive pressure supplied air.

Vapors are heavier than air and will tend to collect in low areas. Avoid use in confined spaces. Areas of poor ventilation could contain concentrations high enough to cause unconsciousness and death. Use approved supplied air respirator following manufacturer's recommendations where vapors may be generated.

Do not reuse containers.

SPECIAL MIXING AND HANDLING INSTRUCTIONS:
Do not allow contact with materials, as noted in Section 10.

STORAGE:
Keep container tightly closed and properly labeled.

Store in a cool, ventilated area away from incompatible materials (see Section 10).

Dike storage containers to contain 110% of tank volume.

Vent indoor tanks to an outside location so escaping vapors will not contaminate any work areas.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits.

PERSONAL PROTECTION

RESPIRATORY:
For emergencies and unknown concentrations, use NIOSH/MSHA-approved positive pressure self-contained breathing apparatus. Utilize respiratory protective equipment in accordance with 29CFR 1910.134 (Respiratory Protection).

EYE/FACE:
Wear chemical safety goggles plus full-face shield to protect against splashing when appropriate (ANSI Z87.1).

SKIN:
Wear chemical resistant gloves. Wear plastic or rubber apron for splash protection.

OTHER:
Emergency shower and eyewash facility should be in close proximity (ANSI Z358.1).

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8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear colorless liquid with naphthalenic odor.

Odor Threshold: <1.0 ppm

Specific Gravity (Water): 1.34

Vapor Pressure: 5.3 mm @ 20° C

Vapor Density (Air = 1): 6.2

Density: 11.2 lbs/gal

Evaporation Rate: (n-butyl acetate = 1): 0.9

% Volatiles by Weight: 100%

Boiling Point: 139° C (282° F)

Freezing Point: -36° C (-33° F)

Melting Point: -36° C (-33° F)

Solubility in Water (% by weight): 29 ppm @ 23° C

pH: Not applicable

Octanol/Water Partition Coefficient: log Kow = 3.70

Thermal Decomposition Temperature: Not available

Other: Limited Oxygen Index (LOI) = 26.2

VOC (g/l by wt): Negligible

9. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

_X_ STABLE UNSTABLE

REACTS WITH:

_____AIR	_X_ OXIDIZERS	_____METALS
_____WATER	_____ACIDS	_____OTHER
_____HEAT	_____ALKALIS	_____NONE

HAZARDOUS POLYMERIZATION:

_____OCCURS _X_ WILL NOT OCCUR

COMMENTS:

Avoid contact with oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
Chlorine containing gases can be produced.

Fluorine containing gases can be produced.

10. TOXICOLOGICAL INFORMATION

98-56-6 Benzene, 1-chloro-4 (Trifluoromethyl

ACUTE ORAL LD50: (rat)	>6.8 g/kg
ACUTE DERMAL LD50: (rabbit)	>2.7 g/kg
ACUTE INHALATION LC50: (rat)	4479 ppm
PRIMARY SKIN IRRITATION: (rabbit)	non-irritating
PRIMARY EYE IRRITATION: (rabbit)	non-irritating

11. ECOLOGICAL INFORMATION

98-56-6 Benzene, 1-chloro-4-(Trifluoromethyl)-

AQUATIC ECOTOX DATA

Fish:			
LC50 (96 hr)	(Rainbow trout)	13.5	mg/L
LC50 (96 hr)	(Bluegill sunfish)	12.0	mg/L
MATC (31 day)	(Fathead minnow)	>0.54 <1.4	mg/L*
	*Triethylene glycol used as solvent carrier		
BCF (48 hr)	(Bluegill sunfish)	121.8 & 202.0	
Invertebrates:			
LC50 (48 hr)	(Water flea)	12.4	mg/L
MATC (21 day)	(Water flea)	>0.03 <0.05	mg/L*
	*Acetone used as solvent carrier		
Plants:			
IC50 (72 hr)	(Green & Blue-green algae)	500	mg/L

TERRESTRIAL ECOTOX DATA

No data available

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ENVIRONMENTAL FATE DATA
Biotic:
Biodegradation: inconclusive due to volatility

Abiotic:
Atmospheric lifetime: estimated to be 65.9 days for OH radical reaction

Log Kow	3.7
Koc	420 – 520
Water Sol. @ 23 C	29.1

p-Chlorobenzotrifluoride (PCBTF) will preferentially partition to the atmosphere, due to its high volatility. It has been estimated that 99.93% of a 100 Kg spill would end up in the atmosphere, while only 0.6% wold partition to water (M. Garlanda, 1990). The aqueous solubility of PCBTF (29.1 mg/L) would also tend to limit its potential impact to exposed aquatic systems. PCBTF has exhibited significant toxicity to aquatic species under laboratory conditions, but is unlikely to exhibit a similar degree of acute toxicity under environmental conditions due to the aforementioned solubility and volatility issues. The moderate level of bioaccumulation measured in laboratory tests will also be subject to environmental mitigation due to PCBTF's physical/chemical properties. PCBTF should rapidly volatilize from dry and moist soils. Volatility, and relative environmental partitioning characteristics, makes it unlikely that PCBTF represents a significant threat to aquatic or terrestrial environments.

12. DISPOSAL CONSIDERATIONS

Shipments of waste materials may be subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of each waste material and should be done by a competent and properly permitted contractor.

Recovered nonusable material is a RCRA Hazardous Waste. Treatment, storage, transportation and disposal must be in accordance with EPA and State regulations under the authority of the Resource Conservation and Recovery Act (RCRA) 40 CFR parts 260-271.

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13. TRANSPORT INFORMATION

DOT INFORMATION: Not Regulated

PCBTF is a non-regulated material under the DOT Hazardous Material Regulations and the IMDG Code because it does not sustain combustion. (49CFR 173.120(a); IMDG 2.3.1.3)

14. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

OSHA Standard 29 CFR 1910:1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communications program including labeling, material safety data sheets, training, and access to written records.

To aid our customers in complying with regulatory requirements, SARA Title III Hazard Categories for this product are indicated below. If the word "YES" appears next to any category, this product may be reportable to you under the requirements of 40.CFR.370. Please consult those regulations for details.

TSCA:
All components of this produce that are required to be on the TSCA inventory are listed on the inventory.

SARA/TITLE III HAZARD CATEGORIES:

Immediate (Acute) Health:	NO	Reactive Hazard:	NO
Delayed (Chronic) Health:	YES	Sudden Release of Pressure:	YES
Fire Hazard:	YES		

HMIS HAZARD RATINGS:
HEALTH HAZARD: 1* FIRE HAZARD: 2 REACTIVITY: 1

STATE REGULATIONS:
See Section 2. COMPOSITION/INFORMATION OF INGREDIENTS list legend for applicable state regulation.

INTERNATIONAL REGULATIONS:
Consult the regulations of the importing country.

CANADA:
WHMIS Hazard Class: B3

15. OTHER INFORMATION

For additional non-emergency health, safety, or environmental information telephone: **(856)-216-7330** or write to:

Special Materials Company
219-P Berlin Road
Cherry Hill, NJ 08034

Disclaimer: The information herein is given in good faith but no warranty, expressed or implied, is made.

16. WARNING LABEL INFORMATION

SIGNAL WORD:
WARNING

HAZARD WARNINGS:
COMBUSTIBLE LIQUID.

MAY CAUSE IRRITATION BY ALL ROUTES OF EXPOSURE.

MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS DEPRESSION INCLUDING HEADACHE, DIZZINESS, NAUSEA, LOSS OF BALANCE AND DROWSINESS.

PRECAUTIONS:

Keep away from heat, sparks, pilot lights, welding operations and open flame.

Avoid breathing dust, vapors, or mist.

Avoid contact with eyes, skin, and clothing.

Do not swallow.

Do not eat, drink, or smoke in areas where this material is used.

Wash thoroughly with soap and water after handling.

Wear chemical safety goggles, plus full-face shield to protect against splashing when appropriate (ANSI Z87.1).

Wear chemical resistant gloves such as North Silver Shield® or Viton®. For limited use, PVE or nitrile gloves may work. Silver Shield is a registered trademark of Siebe North, Inc. Viton is a registered trademark of E. I. DuPont deNemours and Company, Inc.

Store in a cool, dry, well-ventilated area away from incompatible materials.

Keep container tightly closed and properly labeled.

Dike storage tanks separately to contain 100% of tank volume.

DISPOSAL:
Always package, store, transport, and dispose of all waster and contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations.

INFORMATION REQUIRED BY FEDERAL, STATE, OR LOCAL REGULATIONS:

This product Contains:

CAS#	**NAME**
98-56-6	Benzene, 1-chloro-4 (trifluoromethyl) –

VOC (g/l. by wt.): Negligible

Contains no photochemically reactive material in accordance with Rule 443 of the South Coast Air Quality Management District.

HMIS RATING: HEALTH 1* FLAMMAIBILITY: 2 REACTIVITY: 1

For Industrial Use Only

Disclaimer: The information herein is given in good faith but no warranty, expressed or implied, is made.

EPAHO111000558

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

TRADE NAME: THERMACLEAN 095-0102
DESCRIPTION: UNISOLVE EX
PRODUCT CODE IDENTITY: 0950102KCB
NPCA HMIS RATING: H 1 F 2 R 0

REVISION: 03
LAST REVISED : 08/23/2001
DATE OF ISSUE: 04/03/2002

COMPANY NAME: COOK COMPOSITES AND POLYMERS CO.
ADDRESS: 820 E. 14th AVENUE
NORTH KANSAS CITY, MO 64116

PREPARED BY:
HAZARD COMMUNICATION DEPT.
INFORMATION TELEPHONE:
COMPOSITES: 1-800-821-3590
POLYMERS: 1-800-488-5541

CUSTOMER:

ATTENTION:

TRANSPORTATION EMERGENCY TELEPHONE (CHEMTREC): 1-800-424-9300

CCP certifies that its products comply with all the provisions of the Toxic Substances Control Act (TSCA), unless otherwise stated by ingredient in Section II.

*** The percent by weight composition data given in Sections II and X are NOT SPECIFICATIONS, but are based on 'target' formula values for each ingredient in the product. The data are presented as ranges for low hazard ingredients and single point values for ingredients of regulatory concern. Actual batch concentrations will vary within limits consistent with separately established product specifications. ***

SECTION II INGREDIENTS

1 ALIPHATIC DIESTER
CAS# 000627-93-0
DIMETHYL ADIPATE
PCT BY WT: 12.6650 VAPOR PRESSURE: .200 MMHG @ 68F
EXPOSURE LIMIT:

ACGIH TLV/TWA:	NONE ESTABLISHED	
OSHA PEL/TWA:	NONE ESTABLISHED	
LD50, Oral:	>8000 mg/kg (rats)	Determined as mixture
LD50, Dermal:	>2250 mg/kg (rabbits	with ingredients 2 and
LC50, Inhalation:	>11 mg/L (4 hr-rats)	3 below.
OTHER:	Eye Irritant	
OTHER (cont.):	1.5 ppm, 10 mg/m3 - REL/TWA (8 hr) as mixture.	

2 ALIPHATIC DIESTER
CAS# 001119-40-0
DIMETHYL GLUTARATE
PCT BY WT: 49.1700 VAPOR PRESSURE: .200 MMHG @ 68F
EXPOSURE LIMIT:

ACGIH TLV/TWA:	NONE ESTABLISHED
OSHA PEL/TWA:	NONE ESTABLISHED
OTHER:	Eye Irritant

3 ALIPHATIC DIESTER
CAS# 000106-65-0
DIMETHYL SUCCINATE
PCT BY WT: 12.6650 VAPOR PRESSURE: .200 MMHG @ 68F
EXPOSURE LIMIT:

ACGIH TLV/TWA:	NONE ESTABLISHED
OSHA PEL/TWA:	NONE ESTABLISHED
OTHER:	Eye Irritant

EPAHO111000559

****
* THERMACLEAN 095-0102 *
* MATERIAL SAFETY DATA SHEET *
* 0950102KCB *
****

CAS# 034590-94-8
DIPROPYLENE GLYCOL MONOMETHYL ETHER
PCT BY WT: 20 - 30 VAPOR PRESSURE: .010 MMHG @ 68F
EXPOSURE LIMIT:

ACGIH TLV/TWA:	100 PPM (606 MG/CU.M.) (SKIN)
ACGIH TLV/STEL:	150 PPM (909 MG/CU.M.) (SKIN)
OSHA PEL/TWA:	100 PPM (600 MG/CU.M.) (SKIN)
OSHA PEL/CEILING:	150 PPM (900 MG/CU.M.) (SKIN)
LD50, Oral:	5.4 ML/KG (RAT)
LD50, Dermal:	>20 ML/KG (RABBIT)
LC50, Inhalation:	NOT AVAILABLE

****

This product contains no reported carcinogens or suspected carcinogens.

****

SECTION III PHYSICAL DATA

Boiling Range: High- 437.0 F Low- 369.0 F
Vapor Pressure: See Section II
Theoretical Weight per Gallon, Calculated: 8.7793 LB/GL
Theoretical Specific Gravity, Calculated: 1.055
Theoretical VOC, Calculated: 8.736 LB/GL
--If applicable , see Section X for further VOC information--
Physical State: LIQUID
Appearance: CLEAR
Odor: SWEET FRAGRANCE
Odor Threshold: -N/A
pH: -N/A
Freezing Point: -N/A
Water Solubility: PARTIAL
Coefficient of Water/Oil Distribution: -N/A
Mechanical Impact Explosion: NO KNOWN HAZARD
Static Electricity Explosion: AVOID STATIC CHARGE

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CHARACTERISTICS:
Lowest Closed Cup Flashpoint: 190.0 degrees F
For Flash Points 100 to 142 deg. F.
OSHA Flammability Classification: Class II
DOT Flammability Classification: Flammable Liquid
Lower Flammable Limit in Air: Lower- -N/A % by volume
For Flash Points 142 to 200 deg. F.
OSHA Flammability Classification: Class IIIA
DOT Flammability Classification: Combustible Liquid

DOT Shipping Name:
Flash Points 143 to 200 deg. F.
COMBUSTIBLE LIQUID, N.O.S., NA1993, PG III = Bulk / Land
(Contains Dipropylene Glycol Monomethyl Ether)
CHEMCIALS, N.O.I. = Non-Bulk / Land
CHEMICALS, N.O.I. = Bulk & Non-Bulk / Air,Sea

EXTINGUISHING MEDIA:
Foam, carbon dioxide, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Keep containers tightly closed and isolate from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.
If applied in confined areas and tanks, use only explosion-proof and properly grounded equipment, spark-proof tools and spark-proof shoes.

SPECIAL FIRE FIGHTING PROCEDURES:
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

ADDITIONAL TRANSPORTATION INFORMATION:
Freight Classification:
NMFC: 48580/SUB 3 CLEANING COMPOUNDS, LIQUID, NOI LTL CLASS 55

SECTION V HEALTH HAZARD DATA

EFFECTS OF EXCESSIVE OVEREXPOSURE. PRIMARY ROUTES OF ENTRY ARE:

EYE CONTACT:
Irritation. Symptoms are tearing, redness and discomfort.

SKIN CONTACT:
Irritation. Can cause defatting of skin which may lead to dermatitis.

INHALATION:
Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage.
Reports have associated repeated or prolonged occupational overexposure to solvents with permanent brain and nervous system damage.
Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

INGESTION:
May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT:
Preexisting eye, skin, liver, kidney and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES:
In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention immediately.

CALIFORNIA PROPOSITION 65 INFORMATION:
This material contains no intentionally-added ingredients, covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1986" (Proposition 65), unless specifically stated under OTHER HEALTH HAZARDS, by individual chemical.

OTHER HEALTH HAZARDS:

SECTION VI REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: None under normal conditions.
CONDITIONS TO AVOID:
Elevated temperatures.
INCOMPATABILITY (MATERIALS TO AVOID):
Strong acids and strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:
Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.
WASTE DISPOSAL METHOD:
Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and other use of this product until vapors and mists are exhausted, unless air monitoring demonstrates vapor and mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Observe OSHA Standard 29CFR 1910.134.
VENTILATION:
Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and below current applicable exposure limits. If exposed to vapors, open windows and doors or use other means to ensure fresh air delivery during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory equipment (NIOSH/MSHA TC23C or equivalent), or leave the area.
PROTECTIVE GLOVES:
Use solvent impermeable gloves to avoid contact with product.
EYE PROTECTION:
Do not get in eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.
OTHER PROTECTIVE EQUIPMENT:
Avoid contact with skin. Use protective clothing. Prevent contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Do not store above 100 deg. F. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from heat, sparks and flame. Keep containers closed when not in use and upright to prevent leakage. Do not transfer contents to unlabeled bottles or other containers.

OTHER PRECAUTIONS:

Do not take internally. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near emptied containers. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. If this product is blended with other components such as thinners, converter, colorants and catalysts prior to use, read all warning labels. Any mixture of components will have hazards of all components. Follow all precautions. If spraying this material, keep spray booths clean. Avoid buildup of spray dust or overspray in booths or ducts.

KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY

SECTION X Sara Title III Information

SARA 313 INFORMATION:

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.

DISCLAIMER AND LIMITATION OF LIABILITY

The products sold hereunder shall meet Seller's applicable specifications at the time of shipment. Seller's specifications may be subject to change at any time without notice to Buyer. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description and date of purchase) within thirty (30) days of the date of shipment of the product or prior to the expiration of the shipment's quality life, whichever occurs first. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. The Buyer's sole and exclusive remedy against Seller shall be for the replacement of the product or refund of the purchase price in the event that a defective condition of the product should be found to exist by Seller. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER.

The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the product or refund of the purchase price of the product if any defect in material or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Seller is willing and able to replace the defective products or refund the purchase price.

Hardener

RESOLUTION PERFORMANCE PRODUCTS

EPIKURE(TM) 3072 Curing Agent

Version *10.1*
Revision Date 04/08/2004

Print Date 04/09/2004

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Trade name	:	EPIKURE(TM) 3072 Curing Agent
Product code	:	K814J
MSDS Number	:	1507
Product Type	:	Curing agent.
Company	:	Resolution Performance Products LLC P. O. Box 4500 Houston, TX 77210 USA
Telephone	:	(832) 486-6700
Emergency telephone number	:	CHEMTREC US Domestic (800) 424-9300 CHEMTREC International (703) 527-3887

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Group : Accelerated amidoamine

Chemical Name	CAS-No.	Weight %
Modified Polyethylenepolyamine Adducts		< 82 %
DIETHYLENETRIAMINE	111-40-0	
Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	80-05-7	< 10 %
Tetraethylenepentamine	112-57-2	< 10 %

* The specific chemical identity/proportion of this component is considered trade secret information in accordance with 29 CFR 1910.1200.

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview

EPAHO111000564

Human health hazards	:	Severely irritating to the eyes causing pain, redness, swelling and blurred vision. Severely irritating to the skin. May cause skin sensitization. May be toxic if swallowed. May be toxic and may be harmful if absorbed through the skin.
Safety hazards	:	Not classified as flammable but will burn.
Environmental hazards	:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 4. FIRST AID MEASURES

Inhalation	:	Remove to fresh air. If rapid recovery does not occur, obtain medical attention.
Skin contact	:	DO NOT DELAY. Remove contaminated clothing. Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.
Eye contact	:	DO NOT DELAY. Flush eye with water. OBTAIN MEDICAL ATTENTION IMMEDIATELY.
Ingestion	:	DO NOT DELAY. Do not induce vomiting. Give nothing by mouth. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Notes to physician

Symptoms	:	Eye contact may cause burns and acute irritation May cause severe skin irritation.
Treatment	:	Pre-existing skin or respiratory disorders may be aggravated by exposure to this product. If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Do not use water in a jet. Product will float. Water or fog may cause frothing which can be violent, especially if sprayed into containers of hot or burning liquid. Use water fog, "alcohol foam", dry chemical or carbon dioxide.
Specific hazards during fire fighting	:	Material will not burn unless preheated. Delayed lung damage (pulmonary edema) can be experienced after exposure to combustion products, sometimes hours after the exposure.

EPAHO111000565

		Nitrogen oxides and other potentially hazardous nitrogen-containing compounds may be released upon combustion. Cool fire exposed containers with water.
Special protective equipment for fire-fighters	:	Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). including a positive pressure NIOSH approved self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	May burn although not readily ignitable. Prevent all bodily contact with spilled material. Shut off leaks, if possible without personal risk.
Environmental precautions	:	Dike and contain. Contain run-off and dispose of properly. Prevent from entering into drains, ditches or rivers.
Clean-up methods - small spillage	:	Take up with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal.
Clean-up methods - large spillage	:	Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue.
Additional advice	:	Notify authorities if any exposures to the general public or environment occurs or is likely to occur. See Section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

Handling

Advice on safe handling	:	Avoid contact with skin and eyes Only use in well ventilated areas.

Storage

Requirements for storage areas and containers	:	Keep only in original container. Keep container tightly closed and in a cool, well-ventilated place. Keep container dry.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective measures	:	Wear appropriate respirator and full-body protective clothing.
Engineering measures	:	Use local exhaust ventilation.
Eye protection	:	Monogoggles
Hand protection	:	Nitrile rubber gloves Butyl rubber gloves gauntlet type
Skin and body protection	:	Standard issue work clothes Safety boots - chemical resistant without lace holes
Respiratory protection	:	If risk of inhalation, use approved respirator (e.g. CEN, NIOSH/OSHA, AS) as required to prevent over exposure. Use an air-supplied respirator where high concentrations are expected, or an air-purifying respirator for organic vapours (with combined particulate filter if mist is present). Note: an air-supplied respirator should always be used in confined spaces.

Exposure Guidelines

Components with workplace control parameters	Regulation	Exposure time	Value	Remarks
Modified Polyethylenepolyamine Adducts	ACGIH			None established.
DIETHYLENETRIAMINE	ACGIH	Time Weighted Average (TWA):	1 ppm	
	ACGIH	Skin designation:		Can be absorbed through the skin.
	OSHA Z1A	Time Weighted Average (TWA):	1 ppm 4 mg/m3	
Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	ACGIH			None established.
Tetraethylenepentamine	ACGIH			None established.

EPAHO111000567

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Colour	:	Amber
Odour	:	Aminic
Boiling point	:	> 207 °C (> 405 °F)
Flash point	:	> 93 °C (> 199 °F)
Lower explosion limit	:	1.4 %(V)
Vapour pressure	:	< 13.3 Pa at 20 °C (68 °F)
Density	:	976 kg/m3 at 25 °C (77 °F)
Solubility in water	:	Partially soluble.
Viscosity, dynamic	:	700 mPa·s at 25 °C (77 °F) Brookfield
Other physico-chemical properties	:	The above properties are typical values only and do not constitute a specification (refer to supplier for supply specification).

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Can react vigorously with strong oxidizing agents, strong lewis or mineral acid, and strong mineral and organic bases, especially primary and secondary aliphatic amines. Reacts with considerable heat release with some curing agents.
Hazardous decomposition products	:	Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed during combustion.
Hazardous reactions	:	Stable under normal use conditions. Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

EPAHO111000568

Acute oral toxicity : Expected to be of low toxicity, LD50 > 2000 mg/kg.

Acute dermal toxicity : Expected to be of low toxicity, LD50 > 2000 mg/kg.

Chronic Health Hazard

Components	Concentration	Regulation	Value	Remarks
Modified Polyethylenepolyamine Adducts	< 82 %			This component has not been classified by the International Agency for Research on Cancer (IARC).
DIETHYLENETRIAMINE		US. IARC Monographs on Occupational Exposures to Chemical Agents		This component has not been classified by the International Agency for Research on Cancer (IARC).
Phenol, 4,4'-(1-methylethylidene) bis-; 4,4'-Isopropylidenebisphenol	< 10 %			This component has not been classified by the International Agency for Research on Cancer (IARC).
Tetraethylenepentamine				This component has not been classified by the International Agency for Research on Cancer (IARC).

EPAHO111000569

Toxicity to reproduction	:	In a reproductive study on rats, Bisphenol A caused paternal toxicity, reproductive, kidney and liver effects and fetotoxicity at doses of 0.5% and 1.0 of the diet.
Toxicity to reproduction	:	No significant treatment related effects were seen at 0.25% of the diet.
Toxicity to reproduction	:	In other reproductive studies, the component produced fetotoxicity in mice at maternally toxic doses, but not in rats.
Toxicity to reproduction	:	A component, at high oral doses and by intraperitoneal injection, produced slight estrogenic effects (ovarian enlargement) in laboratory animals.
Mutagenicity	:	Although the significance is unknown, Diethylenetriamine (DETA) has been found to increase the frequency of sister chromatid exchange.
	:	It was also found to be positive in the unscheduled DNA mutagenicity assay.
	:	Microbial tests and in vitro gene mutation assays were negative.
	:	A lifetime skin painting study in mice did not result in carcinogenicity.
	:	A component has exhibited evidence for weak mutagenic activity in standard in vitro test systems.
Basis for assessment	:	Information given is based on product data, a knowledge of the components and the toxicology of similar products.
Other information	:	Due to a component, histopathological effects of the kidney, liver, spleen, and adrenals were observed in two rat lifetime feeding studies.
Other information	:	A dust inhalation study in rats at doses of up to 150 mg/m3 of a component for 6 hours per day for 9 exposures did not result in any significant treatment related systemic toxicity.
Other information	:	Repeated exposure to high vapor concentrations of Tetraethylenepentamine (TEPA) may cause injury to the liver, kidney, and respiratory system.

Potential Health Effects

Inhalation	:	Mists or vapors may be severely irritating to the nose, throat, and respiratory tract.

EPAHO111000570

Skin	:	Severely irritating to the skin. May cause skin sensitization. May be toxic and may be harmful if absorbed through the skin.
Eyes	:	Severely irritating to the eyes causing pain, redness, swelling and blurred vision. Vapors may be irritating.
Ingestion	:	Not likely to be a relevant route of exposure. May be toxic if swallowed. May cause severe irritation to the nose, throat and respiratory tract.
Aggravated Medical Condition	:	Preexisting eye,skin and respiratory disorders may be aggravated by exposure to this product.

SECTION 12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability	:	Expected to be not readily biodegradable.
Bioaccumulation	:	Contains components with the potential to bioaccumulate.

Ecotoxicity effects

Toxicity to fish	:	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l .
Toxicity to algae	:	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l .
Acute toxicity - invertebrates	:	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l .
Sewage treatment	:	Expected to be slightly toxic, 10 < LC/EC/IC 50 <= 100 mg/l .
Basis for assessment	:	Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar products.

SECTION 13. DISPOSAL CONSIDERATIONS

EPAHO111000571

Product disposal	:	If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local and federal regulations.

SECTION 14. TRANSPORT INFORMATION

CFR_RAIL	NOT REGULATED FOR TRANSPORT
CFR_ROAD	NOT REGULATED FOR TRANSPORT
IATA_C	NOT REGULATED FOR TRANSPORT
IMDG	NOT REGULATED FOR TRANSPORT

Further Information : Product testing has determined that this product is not regulated.

SECTION 15. REGULATORY INFORMATION

Notification status

EINECS	:	Not all components listed.
TSCA	:	All components listed.
DSL	:	All components listed.
AICS	:	Not all components listed.
PICCS (PH)	:	Not all components listed.
ENCS (JP)	:	Not all components listed.
INV (CN)	:	Not all components listed.
KECI (KR)	:	Not all components listed.

Notification status Legend	y = Yes (Listed); AICS = Australian Inventory of Chemical Substances; DSL = Canadian Domestic Substances List; INV(CN) = Inventory of Existing Chemicals Substances in China; ENCS(JP) = Japanese Existing and New Chemical Substances; TSCA = Toxic Substance Control Act; EINECS = European Inventory of New and Existing Chemicals; KECI(KR) = Korean Existing Chemicals Inventory; PICCS(PH) = Philippine Inventory of Chemicals and Chemical Substances

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Modified Polyethylenepolyamine Adducts	No RQ
DIETHYLENETRIAMINE	No RQ
Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	Not listed.
Tetraethylenepentamine	No RQ

SARA 311/312 Hazards

Acute Health Hazard
Chronic Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Modified Polyethylenepolyamine Adducts	No De minimis Concentration
DIETHYLENETRIAMINE	No De minimis Concentration
Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	De minimis concentration: 1.0 %

The mixture or trade name product contains a toxic chemical or chemicals 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.

Tetraethylenepentamine	No De minimis Concentration

EPAHO111000573

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

Modified Polyethylenepolyamine Adducts	Threshold Planning Quantity: Not Listed
DIETHYLENETRIAMINE	Threshold Planning Quantity: No TPQ
Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	Threshold Planning Quantity: No TPQ
Tetraethylenepentamine	Threshold Planning Quantity: No TPQ
Modified Polyethylenepolyamine Adducts	Reportable quantity: Not Listed
DIETHYLENETRIAMINE	Reportable quantity: No RQ
Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	Reportable quantity: No RQ
Tetraethylenepentamine	Reportable quantity: No RQ

New Jersey Right-To-Know Chemical List

Modified Polyethylenepolyamine Adducts	Not Listed
DIETHYLENETRIAMINE	Not Listed
Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	Listed.
Tetraethylenepentamine	Not Listed

Pennsylvania Right-To-Know Chemical List

Modified Polyethylenepolyamine Adducts	Not Listed
DIETHYLENETRIAMINE	Not Listed

EPAHO111000574

Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	Environmental hazard.
Tetraethylenepentamine	Listed.

Massachusetts Right-To-Know Chemical List

Modified Polyethylenepolyamine Adducts	Not Listed
DIETHYLENETRIAMINE	Not Listed
Phenol, 4,4'-(1-methylethylidene)bis-; 4,4'-Isopropylidenebisphenol	Not Listed
Tetraethylenepentamine	Listed.

HMIS Rating : Health: 2
Fire: 1
Reactivity: 0

SECTION 16. OTHER INFORMATION

Reference : Prepared in accordance with 29 CFR 1910.1200.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

A vertical bar (|) in the left margin indicates an amendment from the previous version.

EPAHO111000575

Diluent.

RESOLUTION PERFORMANCE PRODUCTS

CARDURA(TM) E-10P

Version *2.1*
Revision Date 06/22/2004

Print Date 06/23/2004

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name	:	CARDURA(TM) E-10P
Product code	:	K2111
MSDS Number	:	4882
Product Type	:	Chemical intermediate.
Company	:	Resolution Performance Products LLC P. O. Box 4500 Houston, TX 77210 USA
Telephone	:	(832) 486-6700
Emergency telephone number	:	CHEMTREC US Domestic (800) 424-9300 CHEMTREC International (703) 527-3887

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Group : Glycidyl ester

Chemical Name	CAS-No.	Weight %
2,3-Epoxypropyl neodecanoate	26761-45-5	100 %

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview

Human health hazards	:	May be irritating to the eyes, respiratory system and skin. May cause skin sensitization.
Safety hazards	:	Not classified as flammable but will burn.

SECTION 4. FIRST AID MEASURES

Inhalation	:	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

EPAHO111000576

Skin contact	:	Remove contaminated clothing. Flush exposed skin with water and follow by washing with soap if available. If irritation occurs, get medical attention.
Eye contact	:	Flush eyes with plenty of water for 15 minutes while holding eyelids open. If redness, burning, blurred vision or swelling persist, consult a physician.
Ingestion	:	Do not induce vomiting. Have victim rinse out mouth with water, then drink sips of water to remove taste from mouth. In general, no treatment is necessary unless large quantites of product are ingested. However, get medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Notes to physician

Symptoms	:	Irritation of the skin
Treatment	:	Dermatitis may result from prolonged or repeated exposure. If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water fog, foam, dry chemical or carbon dioxide. Do not use water in a jet. Will float and can be reignited on surface water.
Specific hazards during fire fighting	:	Material will not burn unless preheated. Clear fire area of all non-emergency personnel. Cool fire exposed containers with water. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.
Special protective equipment for fire-fighters	:	Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). including a positive pressure NIOSH approved self-contained breathing apparatus.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Avoid contact with skin, eyes, clothing Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk.
Environmental precautions	:	Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Inform the local authorities if this cannot be prevented.
Clean-up methods - small spillage	:	Take up with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal.
Clean-up methods - large spillage	:	Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue.
Additional advice	:	Notify authorities if any exposures to the general public or environment occurs or is likely to occur. See Section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

Handling

Advice on safe handling	:	Avoid contact with skin, eyes and clothing Avoid prolonged or repeated contact with skin, eyes and clothing Wash thoroughly after handling. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse. Containers, even those that have been emptied, can contain hazardous product residues. WARNING. May cause skin, eye, and respiratory tract irritation. May cause skin sensitization.

Storage

Requirements for storage areas and containers	:	Keep containers closed when not in use. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective measures	:	Wear appropriate respirator and protective clothing.
Engineering measures	:	Adequate ventilation to control airborne concentrations. Eye wash fountains and safety showers should be available for emergency use.
Eye protection	:	Wear chemical goggles if there is potential contact with eyes.
Hand protection	:	Polyvinyl Chloride (PVC)
Skin and body protection	:	Wear chemical-resistant gloves and other clothing as required to minimize contact.
Respiratory protection	:	Use a NIOSH-approved respirator as required to prevent overexposure. In accord with 29 CFR 1910.134, the types of respirator(s) to be considered include: Air-Purifying Respirator for Organic Vapors. Supplied-Air Respirator. Self-Contained Breathing Appatatus (SCBA) - for use in environments with unknown concentrations or emergency situations.

Exposure Guidelines

Components with workplace control parameters	Regulation	Exposure time	Value	Remarks
2,3-Epoxypropyl neodecanoate	ACGIH			None established.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Colour	:	Colourless
Odour	:	Mild
Melting / freezing point	:	< -60 °C (< -76 °F)
Boiling point	:	278 °C (532 °F)

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Flash point	:	126 °C (259 °F) (Tag closed test)
Vapour pressure	:	330 Pa at 100 °C (212 °F)

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Can react vigorously with strong oxidizing agents, strong lewis or mineral acid, and strong mineral and organic bases, especially primary and secondary aliphatic amines. Reacts with considerable heat release with some curing agents.
Hazardous reactions	:	Stable under normal use conditions. Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperature and above. Hygroscopic.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	Low toxicity, LD50 > 2000 mg/kg.
Acute dermal toxicity	:	Low toxicity, LD50 > 2000 mg/kg.
Acute inhalation toxicity	:	Expected to be of low toxicity, LC50 > 5 mg/l.

Chronic Health Hazard

Components	Concentration	Regulation	Value	Remarks
2,3-Epoxypropyl neodecanoate	100 %	US. IARC Monographs on Occupational Exposures to Chemical Agents		This component has not been classified by the International Agency for Research on Cancer (IARC).

Eye irritation	:	Expected to be slightly irritant.
Skin irritation	:	May cause slight irritation.

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Sensitization	:	Skin sensitiser.
Repeated dose toxicity	:	Repeated exposure does not cause significant toxic effects.
Mutagenicity	:	Positive in in vitro, but negative in in vivo assays.
Human effects	:	Prolonged or repeated exposure may give rise to dermatitis.
Basis for assessment	:	Information given is based on product data.

Potential Health Effects

Inhalation	:	Practically non-toxic. May cause mild irritation to the nose, throat and respiratory tract.
Skin	:	May be mildly irritating to the skin. May cause skin sensitization.
Eyes	:	May be mildly irritating to the eyes.
Ingestion	:	Low order of acute oral toxicity.

SECTION 12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability	:	This section will be updated as ecological reviews are completed.

Ecotoxicity effects

Toxicity to fish	:	This section will be updated as ecological reviews are completed.

SECTION 13. DISPOSAL CONSIDERATIONS

Product disposal	:	If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local and federal regulations.

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SECTION 14. TRANSPORT INFORMATION

CFR_ROAD	NOT REGULATED FOR TRANSPORT
IATA_C	NOT REGULATED FOR TRANSPORT
IMDG	NOT REGULATED FOR TRANSPORT
CFR_RAIL	NOT REGULATED FOR TRANSPORT

SECTION 15. REGULATORY INFORMATION

Notification status

AICS	: y
DSL	: y
INV (CN)	: y
ENCS (JP)	: y
TSCA	: y
EINECS	: y
KECI (KR)	: y
PICCS (PH)	: y

EPAHO111000582

Notification status Legend	y = Yes (Listed); AICS = Australian Inventory of Chemical Substances; DSL = Canadian Domestic Substances List; INV(CN) = Inventory of Existing Chemicals Substances in China; ENCS(JP) = Japanese Existing and New Chemical Substances; TSCA = Toxic Substance Control Act; EINECS = European Inventory of New and Existing Chemicals; KECI(KR) = Korean Existing Chemicals Inventory; PICCS(PH) = Philippine Inventory of Chemicals and Chemical Substances

US. EPA CERCLA Hazardous Substances (40 CFR 302)

2,3-Epoxypropyl neodecanoate No RQ

SARA 311/312 Hazards

Acute Health Hazard
Chronic Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

2,3-Epoxypropyl neodecanoate No De minimis Concentration

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

2,3-Epoxypropyl neodecanoate Threshold Planning Quantity: No TPQ

2,3-Epoxypropyl neodecanoate Reportable quantity: No RQ

New Jersey Right-To-Know Chemical List

2,3-Epoxypropyl neodecanoate Not Listed

Additional Components Not Found In Section 2:

Components	CAS-No.	Concentration	Remarks
Diglycidyl ether	2238-07-5	< 500 PPM	Listed.

Pennsylvania Right-To-Know Chemical List

2,3-Epoxypropyl neodecanoate Not Listed

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Additional Components Not Found In Section 2:

Components	CAS-No.	Concentration	Remarks
Diglycidyl ether	2238-07-5	< 500 PPM	Environmental hazard.

Massachusetts Right-To-Know Chemical List

2,3-Epoxypropyl neodecanoate Not Listed

Additional Components Not Found In Section 2:

Components	CAS-No.	Concentration	Remarks
Diglycidyl ether	2238-07-5	< 500 PPM	Extraordinarily hazardous.

HMIS Rating : Health: 2
Fire: 1
Reactivity: 0

SECTION 16. OTHER INFORMATION

Reference : Prepared in accordance with 29 CFR 1910.1200.

Other information : CARDURA is a Resolution trade mark.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

A vertical bar (|) in the left margin indicates an amendment from the previous version.

EPAHO111000584

TEC MINERALS

TEXBLAST® MATERIAL SAFETY DATA SHEET

QUICK IDENTIFIER (In Plant Common Name)

TEXBLAST® SAND		WARNING! RESPIRATORY PROTECTION REQUIRED FOR ABRASIVE BLASTING. DO NOT BREATHE DUST – Excessive exposure by breathing over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. It contains crystalline silica which has been determined by IARC and NTP to be a possible carcinogen. Avoid contact with eyes.
HEALTH	2*	
FLAMMABILITY	0	
REACTIVITY	0	
PERSONAL PROTECTION	X	

SECTION 1 – IDENTITY

Company: TEC MINERALS, 1341 W. Mockingbird Lane, Dallas, Texas 75247
Emergency Phone Number: (214) 647-6700 or (713) 592-6428
Person Responsible for Preparation: Nancy Garnett
Date: June 1996
Common Name (used on label): TEC MINERALS TEXBLAST® SAND
Chemical Family: Silicate
Chemical Name: Crystalline Silica
Formula: Predominantly SiO_2
Trade Name & Synonyms: TEXBLAST®, Blasting Sand, Abrasive Blasting Sand

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	% TYPICAL	TLV (Units)	PEL (Units)
Quartz	14808-60-7	90-100	0.1 mg/m^3*	0.1 mg/m^3*
Aluminum Oxide	1344-28-1	0-4	10 mg/m^3**	5 mg/m^3*
Potassium***	7440-09-7	0-3	Unknown	Unknown

TEXBLAST® Sand is made from a mined sand which is washed, screened, sized, and dried in a rotary kiln. No chemicals are added to the sand.

* Only particle sizes of 10 micrometers or less are considered to be respirable (breathable) and of possible hazard if exposure occurs.

** For total dust (nuisance particulate) containing no asbestos and <1% crystalline silica.

*** This is an impurity in the sand particle. It is **not** similar to metallic forms.

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).
TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists (ACGIH).

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SECTION 3 – PHYSICAL DATA

Boiling Point: Does not apply

Specific Gravity (H_2O = 1): 2.63-2.67

Vapor Pressure (mm = Hg): Does not apply

Percent Volatile by Volume: 0%

Vapor Density (Air = 1): Does not apply

Evaporation Rate (n = Butyl Acetate): Does not apply

Percent Soluble in Water: Not soluble

Reactivity in Water: Will not evolve flammable or toxic gases

Appearance and Odor: Fine to coarse granular solid with glassy, crystalline structure. Sub-angular to sub-rounded particles. Mesh sizes vary depending on the gradation required. Off-white to reddish-tan in color. No odor.

SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point: Will not ignite

Flammable Limits in Air (% by Volume):
Lower: Does not apply
Upper: Does not Apply

Extinguishing Media: Does not apply

Auto Ignition Temperature: Does not Apply

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedures: None

SECTION 5 – HEALTH INFORMATION

Signs and Symptoms of Exposure: ***Acute Overexposure*** – This is exposure of large amounts in a short period of time: INHALATION OF DUST MAY RESULT IN BLOCKAGE OF NASAL AND RESPIRATORY PASSAGES. SEE SECTION 8 FOR RECOMMENDED RESPIRATORY PROTECTION.

Signs and Symptoms of Exposure: ***Chronic Overexposure*** – This is exposure of small to moderate amounts over a long period of time: AS IS TRUE WITH ANY MINERAL PRODUCT, LONG TERM OVEREXPOSURE TO THIS DUST WITHOUT THE USE OF PROPER RESPIRATORY PROTECTION MAY PRODUCE X-RAY EVIDENCE OF DUST IN THE LUNGS. DUST CAN CAUSE INFLAMMATION OF THE LINING TISSUE OF THE NOSE AND INFLAMMATION OF THE EYES. LONG TERM EXPOSURE TO QUARTZ MAY RESULT IN THE DEVELOPMENT OF PULMONARY DISEASES INCLUDING PNEUMOCONIOSIS, SILICOSIS, AND POSSIBLY CANCER. SOME EPIDEMIOLOGICAL STUDIES HAVE FOUND LIMITED EVIDENCE OF LUNG CANCER IN HUMANS EXPOSED TO QUARTZ DUST. SEE SECTION 8 FOR RECOMMENDED RESPIRATORY PROTECTION.

Medical Conditions Generally Aggravated by Exposure: RESPIRATORY (LUNG) DISORDERS OR DISEASES MAY BE AGGRAVATED BY EXPOSURE TO DUST.

Chemical/Component Listed as Carcinogen: Quartz ***NTP:*** Yes, ***IARC:*** Yes, ***OSHA:*** No

ther Exposure Limits: None

Emergency & First Aide Procedures for Indicated Routes of Entry: ***Inhalation*** – REMOVE FROM EXPOSURE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CONSULT A PHYSICIAN.

TEC MINERALS

SECTION 6 – REACTIVITY DATA

Stability: Stable

Condition to Avoid: Does not apply

Hazardous Polymerization: Will not occur

Incompatibility (Materials to Avoid): None determined

Hazardous Decomposition or Combustion Products: Shattering of sand particles such as in sand blasting operations will produce a dust with a high percentage of respirable silica.

SECTION 7 – SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Leaked of Spilled: CLEAN-UP OF SPILL MAY REQUIRE PERSONAL PROTECTIVE EQUIPMENT TO PREVENT DUST EXPOSURES. SEE SECTION 8.

Waste Disposal Method: IF THIS MATERIAL, AS PROVIDED BY THE MANUFACTURER, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVERY ACT (40 CFR 261). DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 8 – PERSONAL PROTECTION INFORMATION

Respiratory Protection: FOR ABRASIVE BLASTING USE A TYPE C SUPPLIED-AIR, POSITIVE PRESSURE, DEMAND TYPE ABRASIVE BLASTING RESPIRATOR ACCORDING TO 29 CFR 1910.34 (A) AND 30 CFR PART 11. IF BLASTING IS NOT DONE INSIDE AN EFFECTIVE ENCLOSURE, ALL PERSONS WORKING IN THE VICINITY OF ABRASIVE BLASTING SHOULD WEAR COMPLETE RESPIRATORY PROTECTION. FOR OTHER APPLICATIONS, IF EMPLOYEE EXPOSURE IS ABOVE PEL, THE EMPLOYER IS REQUIRED TO IMPLEMENT ENGINEERING AND ADMINISTRATIVE CONTROLS. IF THESE CONTROLS ARE NOT ADEQUATE, RESPIRATORS FOR PROTECTION AGAINST SILICA SHOULD BE USED AS REQUIRED IN 29 CFR 1910.134.

Ventilation: MAINTAIN EXPOSURE BELOW TLV/PEL. VENTILATION SHOULD BE DESIGNED AND MAINTAINED TO PREVENT THE ACCUMULATION OR RECIRCULATION OF AIRBORNE SILICA DUST INTO THE WORKPLACE.

Protective Gloves: TO PROTECT AGAINST ABRASION.

Eye Protection: SAFETY GLASSES, GOGGLES, OR FACE SHIELD, WHEN NECESSARY TO PREVENT EYE CONTACT.

Other Protective Clothing or Equipment: WHERE EXPOSURE TO AIRBORNE SILICA IS ABOVE THE PEL, WORK CLOTHING SHOULD BE VACUUMED BEFORE REMOVAL. DO NOT SHAKE OR BLOW DUST FROM CLOTHING.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing: SHOULD BE STORED IN A MANNER TO PREVENT GENERATION OR ACCUMULATION OF DUST. DO NOT USE DRY SWEEPING OR COMPRESSED AIR FOR REMOVAL OF ACCUMULATIONS OF DUST. IF VACUUMING IS USED THE EXHAUST AIR SHOULD BE PROPERLY FILTERED. USE WATER TO CLEAN SURFACES IF PRACTICAL.

Other Precautions REFER TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION DIRECTIVES PERTAINING TO 29 CFR SECTIONS 1910.94 -1910.120, OSHA INSTRUCTION CPL 2-2.7 WHICH INCLUDES GUIDELINES FOR CONTROL OF OCCUPATIONAL EXPOSURE TO CRYSTALLINE SILICA AND ABRASIVE BLASTING.

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications which are not included within this document.

Huntsman Advanced Materials Americas Inc.

281 Fields Lane
Brewster, NY 10509

8am to 4:30pm Phone: (914) 785-3000
24-Hour Health/Environmental Emergency Phone: 1-888-354-3323

HUNTSMAN

Effective Date: 1/29/04 **Material Safety Data Sheet** MSDS No: 3391

1. PRODUCT IDENTIFICATION

Trade Name: Araldite GY 9513

Chemical Family: Epoxy Resin

Health	2
Flammability	1
Reactivity	0
Protective Equipment	X

HMIS RATING

Intended Use or Product Type: Formulated Liquid Epoxy

2. COMPOSITION / INFORMATION ON INGREDIENTS

OSHA	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS					CARCINOGEN STATUS		
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	25068-38-6 Common Name:	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane Bisphenol A Diglycidyl Ether Polymer	NE	NE	NE	NE	NE	NR	NR	NR
*	68609-97-2 Common Name:	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. C12 and C14 Alkyl Glycidyl Ethers	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Warning ! Can cause irritation, dermatitis and sensitization.

Primary Route(s) of Entry: Dermal.

4. FIRST AID MEASURES

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Ingestion: If swallowed, give at least 3-4 glasses of water but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.

Skin: For skin contact, immediately wipe off affected area with dry towel. Then wash with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

Overexposure Effects: This product contains materials that can cause skin and eye irritation and allergic skin reaction. Prolonged contact with the skin may result in defatting and dermatitis.

Medical Conditions Aggravated by Exposure: Allergy, eczema or skin conditions.

Additional Information: Promptly remove wet contaminated non-impervious clothing. Wash before reuse.

5. FIRE FIGHTING MEASURES

Flash Point:	> 200°F (> 93 °C)
Flash Point Method Used:	Closed Cup

Fire Fighting Extinguishing Media: Carbon dioxide, foam, dry chemical, water spray.

Fire Fighting Equipment: Use self-contained breathing apparatus.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.

7. HANDLING AND STORAGE

Precautions: Avoid contact with eyes, skin and clothing. Avoid breathing vapor, mist or spray. Use only with good ventilation. Promptly remove contaminated clothing and wash before reuse. Individuals should wash thoroughly after handling. For industrial use only.

Storage Information: Store in sealed containers. Keep containers closed to prevent moisture absorption and contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Wear appropriate equipment to prevent eye or skin contact. Use of barrier cream recommended.

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Skin Protection: Wear impervious gloves.

Respiratory Protection: Organic chemical cartridge respirator, if needed.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: Good general mechanical ventilation and local exhaust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear
Color:	Colorless to Pale Yellow
Physical State:	Liquid
Solubility in Water:	Nil
Specific Gravity:	9.1 lb/gal at 25°C (77 °F)
Boiling Point:	Not Determined

Percent Volatile: Nil.

10. STABILITY AND REACTIVITY

Conditions to Avoid: Avoid strong acids or bases in bulk and elevated temperatures.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral Effects (LD50): (Rat) Greater than 5,000 mg/kg.

Acute Dermal Toxicity (LD50): (Rabbit) Greater than 4,000 mg/kg.

Sensitization: Moderate sensitizer.

Skin Irritation: (Rabbit) Moderate irritation.

Eye Irritation: (Rabbit) Moderate irritation.

12. ECOLOGICAL INFORMATION

Biodegradability: (Modified Sturm method): ~12%.

Fish Toxicity:
Rainbow Trout (96 hr.): LC50 1.5 mg/l.
Zebra Fish (96 hr.): LC50 2.4 mg/l.

Invertebrate Toxicity: Daphnia Toxicity (24 hr.): EC50 3.6 mg/l.

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13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Department of Transportation: Not regulated.

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 304 - CERCLA: Not listed.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual 'Toxic Chemical Release Reporting' under Sec. 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: Chemical components listed on TSCA Inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Canadian Inventory Status: All components included on the Domestic Substances List (DSL).

State Regulations:

New Jersey Right-to-Know: The following is required composition information:

CAS Number: 25068-38-6
Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

CAS Number: 68609-97-2
Chemical Name: Oxirane, mono[(C12-C14-alkyloxy)methyl] derivs.

Pennsylvania Right-to-Know: The following is required composition information:

CAS Number: 25068-38-6
Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane
Common Name: Bisphenol A Diglycidyl Ether
Comment: Not on Pennsylvania Hazardous Substance List.

EPAHO111000592

CAS Number: 68609-97-2
Chemical Name: Oxirane, mono[(C12-C14-alkyloxy)methyl] derivs.
Common Name: C12 & C14 Alkyl Glycidyl Ethers
Comment: Not on Pennsylvania Hazardous Substance List.

16. OTHER INFORMATION

MSDS No: 3391

Other Information: For further information, contact Product Safety personnel at (914) 785-3000.

Disclaimer: The following supercedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

EPAHO111000593

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

TRADE NAME: THERMACLEAN 0950030
DESCRIPTION: REPLACETONE
PRODUCT CODE IDENTITY: 0950030KCB
NPCA HMIS RATING: H 1 F 0 R 0

REVISION: 05
LAST REVISED : 08/23/2001
DATE OF ISSUE: 03/29/2002

COMPANY NAME: COOK COMPOSITES AND POLYMERS CO.
ADDRESS: 820 E. 14th AVENUE
NORTH KANSAS CITY, MO 64116
CUSTOMER:

PREPARED BY:
HAZARD COMMUNICATION DEPT.
INFORMATION TELEPHONE:
COMPOSITES: 1-800-821-3590
POLYMERS: 1-800-488-5541

ATTENTION:

TRANSPORTATION EMERGENCY TELEPHONE (CHEMTREC): 1-800-424-9300

CCP certifies that its products comply with all the provisions of the Toxic Substances Control Act (TSCA), unless otherwise stated by ingredient in Section II.

*** The percent by weight composition data given in Sections II and X are NOT SPECIFICATIONS, but are based on 'target' formula values for each ingredient in the product. The data are presented as ranges for low hazard ingredients and single point values for ingredients of regulatory concern. Actual batch concentrations will vary within limits consistent with separately established product specifications. ***

SECTION II INGREDIENTS

1
CAS# 034590-94-8
DIPROPYLENE GLYCOL MONOMETHYL ETHER
PCT BY WT: 5 - 10 VAPOR PRESSURE: .010 MMHG @ 68F
EXPOSURE LIMIT:

ACGIH TLV/TWA:	100 PPM (606 MG/CU.M.) (SKIN)
ACGIH TLV/STEL:	150 PPM (909 MG/CU.M.) (SKIN)
OSHA PEL/TWA:	100 PPM (600 MG/CU.M.) (SKIN)
OSHA PEL/CEILING:	150 PPM (900 MG/CU.M.) (SKIN)
LD50, Oral:	5.4 ML/KG (RAT)
LD50, Dermal:	>20 ML/KG (RABBIT)
LC50, Inhalation:	NOT AVAILABLE

This product contains no reported carcinogens or suspected carcinogens.

SECTION III PHYSICAL DATA

Boiling Range: High- -N/A F Low- 212.0 F
Vapor Pressure: See Section II
Theoretical Weight per Gallon, Calculated: 8.8457 LB/GL
Theoretical Specific Gravity, Calculated: 1.063
Theoretical VOC, Calculated: 3.520 LB/GL
--If applicable , see Section X for further VOC information--

****
* THERMACLEAN 0950030 *
* MATERIAL SAFETY DATA SHEET *
* 0950030KCB *
****

CALIFORNIA PROPOSITION 65 INFORMATION:
This material contains no intentionally-added ingredients, covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1986" (Proposition 65), unless specifically stated under OTHER HEALTH HAZARDS, by individual chemical.

OTHER HEALTH HAZARDS:

SECTION VI REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: None under normal conditions.

CONDITIONS TO AVOID:
Elevated temperatures.

INCOMPATABILITY (MATERIALS TO AVOID):
None reasonable forseeable.

HAZARDOUS DECOMPOSITION PRODUCTS:
Incomplete combustion can produce carbon monoxide.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD:
Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
Avoid breathing of spray mist. If sprayed, wear mechanical filter respirator to remove solid particles of overspray. Follow respirator manufacturer's directions for respirator use.

VENTILATION:
Provide general clean air dilution or local exhaust ventilation in volume and pattern to prevent air contaminant concentration build-up. Refer to OSHA Standard 1910.94.

PROTECTIVE GLOVES:
If there is potential for prolonged or repeated skin contact, wear plastic gloves for the duration of anticipated exposure.

EYE PROTECTION:
Avoid contact with eyes. Use safety eyewear with splash guards or side shields.

OTHER PROTECTIVE EQUIPMENT:
None normally required. If unable to avoid prolonged or repeated contact with skin, wear protective clothing.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Do not store above 100 deg. F. Keep containers closed when not in use and upright to prevent leakage.

OTHER PRECAUTIONS:
Do not take internally. Wash hands after using and before eating.

****
* THERMACLEAN 0950030 *
* MATERIAL SAFETY DATA SHEET *
* 0950030KCB *
****

KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY

SECTION X Sara Title III Information

SARA 313 INFORMATION:

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.

DISCLAIMER AND LIMITATION OF LIABILITY

The products sold hereunder shall meet Seller's applicable specifications at the time of shipment. Seller's specifications may be subject to change at any time without notice to Buyer. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description and date of purchase) within thirty (30) days of the date of shipment of the product or prior to the expiration of the shipment's quality life, whichever occurs first. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. The Buyer's sole and exclusive remedy against Seller shall be for the replacement of the product or refund of the purchase price in the event that a defective condition of the product should be found to exist by Seller. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER.

The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the product or refund of the purchase price of the product if any defect in material or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Seller is willing and able to replace the defective products or refund the purchase price.

Enterprise Products 1894
Prof #1894

EPAHO111000597

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/3/2006**

Dear **Dale Whitehead**

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 # 1894

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)
Address: 1200 North Broadway
LaPorte, TX 77571

Waste Information

Name of Waste: Hydrostatic pressure test water
TCEQ Waste Code #: 00671012
Container Type:
Detailed Description of Process Generating Waste:
Water used to pressure test empty natural gas ipeline
Color: clear **Odor:** non **pH:** neutral
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1894

SECTION 1: Generator Information

Company:	Enterprise Products-Morgan's Point Facility		
Address:	1200 North Broadway		
City, State, Zip:	LaPorte, TX 77571		
Contact:	Mike Tomerlin	**Title:**	Field Environmental Lead, Houston Region
Phone No:	281-385-4455	**Fax No:**	281-385-4532
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD008084238		
State I.D.	30282	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Ultracon		
Address:	P.O. Box 1907		
City, State, Zip:	Buna, TX 77612		
Contact:	Dale Whitehead	**Title:**	Project Manager
Phone No:	409-994-4996	**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Hydrostatic Pressure Test Water
Detailed Description of Process Generating Waste: Water used to pressure test empty natural gas pipeline

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

Color: Clear **Odor:** none

Specific Gravity (water=1): 1.0 **Density:** 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☐ Drum	☐ Tote	☒ Truck	☐ Other (explain)
Container Size:	____	____	5500 g	____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 15 **Other:** ____
Texas State Waste Code No: 00671012
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
>150	neutral	0mg/l	0mg/l	<1%

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 %
Pressure Test Water	99-100	%
Dirt, rust scale, etc.	0-1	%

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):
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: 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: _____ **Date:** 11-3-2006

Printed Name/Title: Mike Tomelin / Field Environmental Lead, Houston

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-3-06 (Approved) Rejected _____ IC

Approval Number: 1894 _____

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.

EPAHO111000602

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6100783
Client Sample ID: Pipeline Pressure Test Water
Extended ID: Ultracon/Enterprise

Sample Collect Date: 10/27/2006 @ 2:30:00 PM **Sample Type:** Grab
Sample Receipt Date: 10/27/2006 @ 3:00:00 PM

Test Group / Method

TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Antimony	0.032	1	< 0.032	mg/L	10/29/2006 / 1:14 PM
Arsenic	0.014	5	< 0.014	mg/L	10/29/2006 / 1:14 PM
Barium	0.0005	100	**0.0303**	**mg/L**	10/29/2006 / 1:14 PM
Beryllium	0.0005	0.08	**0.0006**	**mg/L**	10/29/2006 / 1:14 PM
Cadmium	0.002	1	< 0.002	mg/L	10/29/2006 / 1:14 PM
Chromium	0.002	5	**0.004**	**mg/L**	10/29/2006 / 1:14 PM
Lead	0.005	5	< 0.005	mg/L	10/29/2006 / 1:14 PM
Nickel	0.003	70	**0.024**	**mg/L**	10/29/2006 / 1:14 PM
Selenium	0.024	1	< 0.024	mg/L	10/29/2006 / 1:14 PM
Silver	0.002	5	< 0.002	mg/L	10/29/2006 / 1:14 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	**0.0005**	**mg/L**	11/1/2006 / 11:10 PM

Total Petroleum Hydrocarbons Water Method: TNRCC 1005	MDL	Result	Units	Analyst: TFR Date / Time
C6 - C12 Hydrocarbons	5	< 5	mg/L	11/1/2006 / 3:37 PM
>C12 - C28 Hydrocarbons	5	< 5	mg/L	11/1/2006 / 3:37 PM
>C28 - C36 Hydrocarbons	5	< 5	mg/L	11/1/2006 / 3:37 PM
Total Petroleum Hydrocarbons	15	< 15	mg/L	11/1/2006 / 3:37 PM

BTEX (W) Method: EPA 602	MDL	Result	Units	Analyst: HDG Date / Time
Benzene	0.005	< 0.005	mg/L	10/29/2006 / 10:50 PM
Toluene	0.005	< 0.005	mg/L	10/29/2006 / 10:50 PM
Ethyl benzene	0.005	< 0.005	mg/L	10/29/2006 / 10:50 PM
M+P-Xylene	0.005	< 0.005	mg/L	10/29/2006 / 10:50 PM

EPAHO111000603

- CERTIFICATE OF RESULTS -

MES Lab#: 6100783

Client Sample ID: Pipeline Pressure Test Water
Extended ID: Ultracon/Enterprise

Sample Collect Date: 10/27/2006 @ 2:30:00 PM **Sample Type:** Grab
Sample Receipt Date: 10/27/2006 @ 3:00:00 PM

o-Xylene	0.005	< 0.005	mg/L	10/29/2006 / 10:50 PM

Ignitability Method: SW-846 1010	MDL	**Result**	Units	Analyst: DB Date / Time
Flashpoint		**>150**	**deg F**	10/30/2006 / 11:50 AM

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

Thursday, November 02, 2006

Holland D. Gilmore, Laboratory Director **Date**

6100783

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTES	METHOD TPH1005	MB mg/L	CCV %REC	MS %REC	MSD %REC
C6-C12		< 4	114.8	96.0	97.8
C12-C28		< 8	117.0	98.0	97.8

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Antimony	< 0.032	103.8	98.8	4.89	< 0.032	96.5	118.0	96.4
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Beryllium	< 0.002	90.9	95.9	5.36	< 0.002	92.6	93.6	93.5
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Nickel	< 0.001	103.0	104.0	0.97	< 0.001	94.3	95.2	85.3
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	CCV %REC
Benzene		< 0.005	87.6	90.3	3.04	107.6
Toluene		< 0.005	78.6	84.1	6.76	105.2
Ethylbenzene		< 0.005	95.4	100.6	5.31	103.6
m+p Xylene		< 0.005	87.6	92.6	5.55	101.8
o-Xylene		< 0.005	90.8	95.8	5.36	101.4

SURROGATE SPIKE RECOVERY FOR BTEX	% REC
4-Bromofluorobenzene	89.8

ANALYTE	STD
Flashpoint	82°F

6100783
Page 2

QA/QC REPORT CONTINUED

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
Rec=Percent Recovery

Signature: _____ November 1, 2006
Holland D. Gilmore / Laboratory Director

MES - CHAIN OF CUSTODY

MES
Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
1-800-771-4MES
(281) 476-4534
Fax (281)-476-4406

1 COMPANY NAME: (BILL TO:) CES
COMPANY ADDRESS:
CITY STATE ZIP
CONTACT PERSON'S NAME: Gary Brackman
CONTACT PERSON'S PHONE: 713-417-5737 FAX #:

2 YOUR PROJECT NO.: Ultra Energy Expansion | YOUR P.O. #: VBL | YOUR PROJECT NAME: Ultracon/Enterprise
PROJECT ADDRESS: Morgans Point

4 PARAMETERS FOR ANALYSIS

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP (Phenols)	TPH	BTEX	Flash	NUMBER OF CONTAINERS	PRESERVATIONS
Pipeline pressure test water	G	10/27	3:00	L	✓	✓	✓	✓	1	

5 REMARKS
TURNAROUND TIME: 30 day
DETECTION LIMITS SPECIAL LIMITS REQUIRED: Yes No
Please circle one, if Yes, please describe below or include separate sheet detailing requirements.

3

ONIC
4°C

6 PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.): a. Gary Brackman b.
RELINQUISHED BY: (Signature) DATE 10/27 TIME 3:00 RECEIVED BY: (Signature)

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 10/27 | TIME 1500

8 Sample Remainder Disposal
☐ Return Sample Remainder To Client Via
☒ 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 MES -2814764406 11/03/2006 12:58

EPAHO11100607

United Polymer Tech 1895
Prof # 1895

EPAHO11100608

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/27/2006**

Dear **Susan Cochran**

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 # 1895

Generator: United Polymer Technology
Address: 11327 Tanner Road
Houston, TX 77041

Waste Information

Name of Waste: Diesel fuel
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Collection of contaminated diesel fuel from equipment fuel tanks
Color: brown/reddish **Odor:** diesel like **pH:** neutral
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#1895

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: United Polymer Technology
Address: 11327 Tanner Road
City, State, Zip: Houston, TX 77041
Contact: Susan Cochran Title: EHS Mgr.
Phone No: 713-937-8300 Fax No: 713-937-8304
24/hr Phone: CES-713-676-1460
U.S. EPA I.D. No: TXP490393524
State I.D. XXX12 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: diesel fuel
Detailed Description of Process Generating Waste: Collection of contaminated diesel fuel from equipment fuel tanks

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

Color: brown/reddish Odor: diesel like

Specific Gravity (water=1): .85 Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

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

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 2 Other:
Texas State Waste Code No: NA-Recyclable Material
Proper U.S. DOT Shipping Name: Combustible liquid, n.o.s., combustible liquid, NA 1993, PG-II

Class: combustible liquid UN/NA: NA 1993 PG: II RQ: NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	neutral	0mg/l	0mg/l	<3%

EPAHO111000610

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 %
diesel fuel-low sulfur red dye	80-100	%
Water	0-20	%
Dirt, algae	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.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxdizers

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: 10/26/06

Printed Name/Title: VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: REC

Date: 10-27-06 Approved Rejected

Approval Number: 1895

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

EPAHO111000612

(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.

EPAHO111000613

DIXIE CHEMICAL 1896
Draft # 1896

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/7/2006**

Dear **KiM Stratton**

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 # 1896

Generator: Dixie Chemical
Address: 10901 Bay Area Blvd
Pasadena, TX 77507

Waste Information

Name of Waste: TLF-8719
TCEQ Waste Code #: 00562191
Container Type:
Detailed Description of Process Generating Waste:
Off-spec product
Color: light yellow **Odor:** mild **pH:** 3-9
Physical State:
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.

1896
MB

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:	Dixie Chemical		
Address:	10601 Bay Area Blvd.		
City, State, Zip:	Pasadena, TX 77507		
Contact:	Kim Stratton	Title:	Environmental Specialist
Phone No:	281-291-3380	Fax No:	281-291-3387
24/hr Phone:	281-474-3271		
U.S. EPA I.D. No:	TXD008088247		
State I.D.	30314	SIC Code:	2869

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: TLF-8719
Detailed Description of Process Generating Waste: Off Spec Product

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

Color: Light Yellow Odor: Mild

Specific Gravity (water=1): 1.09 Density: 9 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: ____ ____ 5000 ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): ____ Other: ____
Texas State Waste Code No: 0056219I
Proper U.S. DOT Shipping Name: Non DOT regulated material
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH 3-9	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 5%
Oil&Grease Na mg/l	TOC 4 mg/l	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l

EPAHO111000616

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Zelan		30
Water		70

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 for TLF-8719

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: Kim Stratton **Date:** 11/2/06

Printed Name/Title: Kim Stratton / Env. Specialist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Kathleen Kenyon

Date: 11-2-06 Approved Rejected

Approval Number: 1896

Process Facility Information: OL

EPAHO111000617

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

EPAHO111000618

(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.

EPAHO111000619

"Zelan" 8719
05574483 Revised 3-FEB-1997 Printed 7-MAR-1997

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"Zelan" is a registered trademark of DuPont.

Tradenames and Synonyms

TLF-8719

Company Identification

MANUFACTURER/DISTRIBUTOR
DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS
Product Information : 1-800-441-7515
Transport Emergency : CHEMTREC 1-800-424-9300
Medical Emergency : 1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
NJ Trade Secret Registry # 00850201001-5611P		20-30
Water	7732-18-5	70-80

HAZARDS IDENTIFICATION

Potential Health Effects

Skin contact with the product may cause skin irritation with discomfort or rash.

Eye contact with the product may cause severe eye irritation with discomfort, tearing, pain or blurred vision.

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 or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

If inhaled, immediately 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.

INGESTION

Not a probable route. However, in case of accidental ingestion, call a physician.

Notes to Physicians

There is no known antidote. Symptomatic treatment may be necessary.

FIRE FIGHTING MEASURES

Flammable Properties

None, mostly aqueous solution.

Extinguishing Media

Use media appropriate for surrounding material.

Fire Fighting Instructions

Wear self-contained breathing apparatus. Wear full protective equipment.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material.

HANDLING AND STORAGE

Handling (Personnel)

Do not breathe vapor or mist. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.

Storage

Keep container tightly closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses, or where splash potential exists wear chemical splash goggles.

RESPIRATORS

Where the potential exists for airborne exposure, wear NIOSH/MSHA approved respiratory protection.

PROTECTIVE CLOTHING

Where there is potential for skin contact, have available and wear as appropriate impervious gloves, apron or smock.

Exposure Guidelines

Exposure Limits
"Zelan" 8719
PEL (OSHA) : None Established
TLV (ACGIH) : None Established

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point	: ~100 C (~212 F)
Melting Point	: ~0 C (~32 F)
Freezing Point	: ~0 C (~32 F)
% Volatiles	: 70-80 %
Solubility in Water	: Soluble
pH	: 6-7
Odor	: Mild.
Form	: Liquid.
Color	: Translucent, Yellow (light).
Specific Gravity	: ~1.09 g/cm3

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposition will not occur.

Hazardous gases/vapors produced are: Carbon monoxide and/or carbon dioxide produced when burned.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

"Zelan" 8719 is a moderate skin irritant, and is a severe eye irritant in animals. The Oral ALD of a similar product is 11,000 mg/kg in rats.

ECOLOGICAL INFORMATION

Ecotoxicological Information

"Zelan" 8719:

The 96 hour LC50, Pimephales promelas: 500 - 5,000 mg/L.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : Listed.

OTHER INFORMATION

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 : E. Pechhold
DuPont Specialty Chemicals
Address : Jackson Lab
Telephone : 609-540-4193

# Indicates updated section.

End of MSDS

DANA CONTAINER 1897
Prof# 1897

EPAHO11100625

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/31/2006**

Dear **Ruben Fernandez**

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 # 1897

Generator: Dana Container
Address: 902 Sens Road
La Porte, TX 77572

Waste Information

Name of Waste: Contaminated soil
TCEQ Waste Code #: 22243192
Container Type: Roll-off box
Detailed Description of Process Generating Waste:
Cleanup dirt/soil from hydrocarbon materials leaking from containers.
Color: dark **Odor:** non **pH:** 3-11
Physical State:
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** #1897
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:	DANA Container		
Address:	902 Sens Road		
City, State, Zip:	LaPorte, TX 77571		
Contact:	Rueben Fernandez	**Title:**	Tankwash Manager
Phone No:	(281) 471-4700	**Fax No:**	
24/hr Phone:	(281) 471-4700		
U.S. EPA I.D. No:	TXR000011155		
State I.D.	41563	**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: Contaminated Soil
Detailed Description of Process Generating Waste: Cleanup dirt/soil from hydrocarbon materials leaking from containers.

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

Color: Dark **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: 25 yds ____ ____ ~~25 yards~~ Roll-off box

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☒ **Yearly**
Number of Units (containers): 2 **Other:** ____
Texas State Waste Code No: 22243192
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT Regulated Waste Solids (Contaminated Soil)
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >200	**pH** 3-11	**Reactive Sulfides** <20mg/l	**Reactive Cyanides** <20mg/l	**Solids** 100%
Oil&Grease <50mg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO111000627

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Soil	99-99.5	%
Oil	.5-1	%

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.
Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

TCLP Metals: x
TCLP Volatiles: ____
TCLP Semi-Volatiles: ____
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:** October 31, 2006

Printed Name/Title: Rueben Fernandez, Tankwash Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: _____ Date: 10-31-06 Approved Rejected Approval Number: 1897	15 Class 2

EPAHO111000628

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

EPAHO111000629

(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.

EPAHO111000630

Express Laboratories
401 N. 11TH. ST.
LA PORTE, TX 77571
281/471-0951 FAX:281/471-5821

INFORMATIONAL REPORT

CUSTOMER:
DANA
SAMPLE:
Spill Sample 09-13-06
SVOC Analysis
EPA SW846/8270C
DATE:
14-Sep-06

This brown water sample was analyzed for semivolatile compontents. The major compounds present were mono, di, tri, etc. polymers of dimethoxy-methane.

The sample also contained trace amounts of high molecular amines and organic acids. The pH was about 10.5.

The pH itself is ~~low~~ high enough to kill vegetation and in combination with the possible effect of the chemical itself could easily be the cause of the observed effects.

Dimethoxy-methane was the only compontent that showed on the volatiles analysis. This compound has a very low flash and a very wide explosive range. Care should be exercised in handling it.

John Keller

John E. Keller, Ph.D.
Lab. Dir./QC Manager

EPAHO111000631

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:	DANA
Company:	Ivona
Address:	902 Sens Road
City / State / Zip:	LaPorte TX 77571
Phone:	281-471-4700
Fax:	281-867-1575
e-Mail:	
Invoice To:	
Company:	
Address:	
City / State / Zip:	
Phone:	
Fax:	
PO#:	
Quote#:	

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #	
COC Present?	Yes No
Shipment Sealed?	Yes No
Samples Sealed?	Yes No
Received on Ice?	Yes No
Samples Intact?	Yes No
Cooler Temp. (°C)	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:

Project Location:

Project No:

Sampler (Print):

Sampler (Sign):

Sampler Remarks:

[2] Cntr. Type	G
Number	1
Volume	Pint
[3] Preservative	1

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL EPA TCLP VOLATILES	SEMI-VOLS	RCRA 8 METALS
60979.01	1) Spill Sample	9-22-06/-				X			X	X	
	2)										
	3)										
	4)										
	5)										
	6)										
	7)										
	8)										
	9)										
	10)										

Relinquished By:	Company:	Date/Time:	Received By:	Company:
[signature]		9-22-06 3:40	R. Hargrave	EEL

[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.

ENVIRON EXPRESS LABORATORIES, INC.
401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5621

CERTIFICATE OF ANALYSIS NO: 60979.01 1of 3

Customer: Dana	Sample: Spill Sample	Environ ID: 60979.01
Project ID:		Sampled: 09-22-06
Project Loc:	Matrix: Sludge	Received: 09-22-06
Charge/P.O.:	Type: Grab	Reported: 09-28-06
Concentration: 30/1	Extracted: 09-27-06	Analyzed: 09-27-06 16:50
		Analyst: JAC

EPA SW-846 Method 8270C - TCL Total Semivolatiles

COMPOUND		RESULT (mg/Kg)	PQL (mg/Kg)	CAS #
Fluorene	<	0.17	0.17	86-73-7
Hexachlorobenzene	<	0.17	0.17	118-74-1
Hexachloroethane	<	0.17	0.17	67-72-1
Hexachlorocyclopentadiene	<	1.70	1.7	77-47-4
Indeno(1,2,3-cd)pyrene	<	0.17	0.17	193-39-5
Isophorone	<	0.17	0.17	78-59-1
2-Methylnaphthalene	<	0.17	0.17	91-57-6
2-Methylphenol	<	0.17	0.17	95-48-7
4-Methylphenol	<	0.17	0.17	106-44-5
Naphthalene	<	0.17	0.17	91-20-3
2-Nitroaniline	<	0.17	0.17	88-74-4
3-Nitroaniline	<	0.17	0.17	99-09-2
4-Nitroaniline	<	0.17	0.17	100-01-6
Nitrobenzene	<	0.17	0.17	98-95-3
2-Nitrophenol	<	0.17	0.17	88-75-5
4-Nitrophenol	<	0.83	0.83	100-02-7
n-Nitrosodiphenylamine	<	0.17	0.17	86-30-6
n-Nitroso-di-n-propylamine	<	0.17	0.17	621-64-7
Pentachlorophenol	<	0.83	0.83	87-86-5
Phenanthrene	<	0.17	0.17	85-01-8
Phenol	<	0.17	0.17	108-95-2
Pyrene	<	0.17	0.17	129-00-0
1,2,4-Trichlorobenzene	<	0.17	0.17	120-82-1
2,4,5-Trichlorophenol	<	0.17	0.17	95-95-4
2,4,6-Trichlorophenol	<	0.17	0.17	88-06-2

QULITY CONTROL – SURROGATE RECOVERIES			
SURROGATE	RESULT	% RECOVERY	RANGE
Nitrobenzene-d5	0.035	70	23-120
2-Fluorobiphenyl	0.042	84	30-115
Terphenyl-d14	0.048	96	18-137
Phenol-d5	0.084	84	24-113
2-Fluorophenol	0.073	73	25-121
2,4,6-Tribromophenol	0.000	0*	19-122

TCLP - Toxicity Characteristic Leaching Pro MQL - Method Quantitation Limit
EPA - Environmental Protection Agency RCVD - As Received (Wet) Basis
TCEQ - Texas Commission on Environmen mg/l - Milligrams per Liter (PPM Volume)
REG - Regulatory Limit (User Should Verify mg/kg - Milligrams per Kilogram (PPM Wei
*Surrogate recovery out of range

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO111000633

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO: 60979.01 1of 3

Customer: Dana	Sample: Spill Sample	Environ ID: 60979.01
Project ID:		Sampled: 09-22-06
Project Loc:	Matrix: Sludge	Received: 09-22-06
Charge/P.O.:	Type: Grab	Reported: 09-28-06
Concentration: 30/1	Extracted: 09-27-06	Analyzed: 09-27-06 16:50
		Analyst: JAC

EPA SW-846 Method 8270C - TCL Total Semivolatiles

COMPOUND		RESULT (mg/Kg)	PQL (mg/Kg)	CAS #
Acenaphthene	<	0.17	0.17	83-32-9
Acenaphthylene	<	0.17	0.17	208-96-8
Anthracene	<	0.17	0.17	120-12-7
Benzo[a]anthracene	<	0.17	0.17	56-55-3
Benzo[b]fluoranthene	<	0.17	0.17	205-99-2
Benzo[k]fluoranthene	<	0.17	0.17	207-08-9
Benzo[g,h,i]perylene	<	0.17	0.17	191-24-2
Benzo[a]pyrene	<	0.17	0.17	50-32-8
bis(2-Chloroethoxy)methane	<	0.17	0.17	111-91-1
bis(2-Chloroethyl)ether	<	0.17	0.17	111-44-4
bis(2-chloroisopropyl)ether	<	0.17	0.17	108-60-1
bis(2-Ethylhexyl)phthalate	<	0.17	0.17	117-81-7
4-Bromophenyl-phenylether	<	0.17	0.17	101-55-3
Butylbenzylphthalate	<	0.17	0.17	85-68-7
4-Chloroaniline	<	0.17	0.17	106-47-8
4-Chloro-3-methylphenol	<	0.17	0.17	59-50-7
2-Chloronaphthalene	<	0.17	0.17	91-58-7
2-Chlorophenol	<	0.17	0.17	95-57-8
4-Chlorophenyl-phenylether	<	0.17	0.17	7005-72-3
Chrysene	<	0.17	0.17	218-01-9
Dibenz[a,h]anthracene	<	0.17	0.17	53-70-3
Dibenzofuran	<	0.17	0.17	132-64-9
Di-n-butylphthalate	<	0.17	0.17	84-74-2
1,2-Dichlorobenzene	<	0.17	0.17	95-50-1
1,3-Dichlorobenzene	<	0.17	0.17	541-73-1
1,4-Dichlorobenzene	<	0.17	0.17	106-46-7
3,3'-Dichlorobenzidine	<	0.17	0.17	91-94-1
2,4-Dichlorophenol	<	0.17	0.17	120-83-2
Diethylphthalate	<	0.17	0.17	84-66-2
2,4-Dimethylphenol	<	0.17	0.17	105-67-9
Dimethylphthalate	<	0.17	0.17	99-65-0
4,6-Dinitro-2-methylphenol	<	0.83	0.83	534-52-1
2,4-Dinitrophenol	<	1.30	1.3	51-28-5
2,4-Dinitrotoluene	<	0.17	0.17	121-14-2
2,6-Dinitrotoluene	<	0.17	0.17	606-20-2
Di-n-octylphthalate	<	0.17	0.17	117-84-0
Fluoranthene	<	0.17	0.17	206-44-0

EPAHO111000634

ENVIRON EXPRESS LABORATORIES, INC.
401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO: 60979.01 1of 3

Customer: Dana
Project ID:
Project Loc:
Charge/P.O.:
Concentration: 2.0

Sample: Spill Sample
Matrix: Solid
Type: Grab

Environ ID: 60979.01
Sampled: 09-22-06
Received: 09-22-06
Reported: 09-28-06
Analyzed: 09-28-06 13:33
Analyst: JAC

EPA SW-846 Method 8260B - TCL Total Volatiles

COMPOUND		RESULT (mg/Kg)	PQL (mg/Kg)	CAS #
Acetone	<	0.020	0.020	67-64-1
Benzene	<	0.008	0.008	71-43-2
Bromodichloromethane	<	0.008	0.008	75-27-4
Bromoform (Tribromomethane)	<	0.008	0.008	75-25-2
Bromomethane (Methyl bromide)	<	0.008	0.008	74-83-9
2-Butanone (MEK)	<	0.020	0.020	78-93-3
Carbon disulfide	<	0.020	0.020	75-15-0
Carbon tetrachloride	<	0.008	0.008	56-23-5
Chlorobenzene	<	0.008	0.008	108-90-7
Chloroethane (Ethyl chloride)	<	0.008	0.008	75-00-3
2-Chloroethyl vinyl ether	<	0.008	0.008	110-75-8
Chloroform (Trichloromethane)	<	0.008	0.008	67-66-3
Chloromethane (Methyl chloride)	<	0.008	0.008	74-87-3
Dibromochloromethane	<	0.008	0.008	124-48-1
1,1-Dichloroethane	<	0.008	0.008	75-34-3
1,2-Dichloroethane (EDC)	<	0.008	0.008	107-06-2
1,1-Dichloroethene	<	0.008	0.008	75-35-4
cis-1,2-Dichloroethene	<	0.008	0.008	156-59-2
trans-1,2-Dichloroethene	<	0.008	0.008	156-60-5
1,2-Dichloropropane	<	0.008	0.008	78-87-5
cis-1,3-Dichloropropene	<	0.008	0.008	10061-01-5
trans-1,3-Dichloropropene	<	0.008	0.008	10061-02-6
Ethyl benzene	<	0.008	0.008	100-41-4
2-Hexanone	<	0.008	0.008	591-78-6
Methylene chloride (Dichlorometh	<	0.100	0.100	75-09-2
4-Methyl-2-pentanone (MIBK)	<	0.008	0.008	108-10-1
Styrene	<	0.008	0.008	100-42-5
1,1,2,2-Tetrachloroethane	<	0.008	0.008	79-34-5
Tetrachloroethene	<	0.008	0.008	127-18-4
Toluene	<	0.008	0.008	108-88-3
1,1,1-Trichloroethane	<	0.008	0.008	71-55-6
1,1,2-Trichloroethane	<	0.008	0.008	79-00-5
Trichloroethene	<	0.008	0.008	79-01-6
Vinyl acetate	<	0.008	0.008	108-05-4
Vinyl chloride	<	0.008	0.008	75-01-4
m&p-Xylene	<	0.016	0.016	108-38-3 & 106-42-3
o-Xylene	<	0.008	0.008	95-47-6

QULITY CONTROL – SURROGATE RECOVERIES

SURROGATE	RESULT	% RECOVERY	RANGE
1,2-Dichloroethane-d4 (SS)	0.054	109	70-121
Toluene-d8 (SS)	0.055	109	81-117
4-Bromofluorobenzene (SS)	0.050	100	75-122

TCLP - Toxicity Characteristic Leaching Pr MQL - Method Quantitation Limit
EPA - Environmental Protection Agency RCVD - As Received (Wet) Basis
TCEQ - Texas Commission on Environment mg/l - Milligrams per Liter (PPM Volume)
REG - Regulatory Limit (User Should Verify) mg/kg - Milligrams per Kilogram (PPM Wei

John Keller

John Keller, Ph.D

EPAHO111000635

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO: 60979.01 1of 1

Customer: Dana
Project ID:
Project Loc:
Charge/P.O.:

Sample: Spill Sample
Matrix: Solid
Type: Grab

Environ ID: 60979.01
Sampled: 09-22-06
Received: 09-22-06
Reported: 09-28-06

ANALYTE/ PARAMETER	RESULTS	UNITS	MQL	EPA TEST METHOD	TEST BY	DATE	TIME
TOT. PET. HYDROCARBON							
GRO (Gasoline Range)	< 50	mg/kg	50	TCEQ 1005.03	DB	09-26-06	21:53
DRO (Diesel Range)	< 50	mg/kg	50	TCEQ 1005.03	DB	09-26-06	21:53
ORO (Oil Range)	< 50	mg/kg	50	TCEQ 1005.03	DB	09-26-06	21:53
TOTAL TPH	< 50	mg/kg	50				

Key: TCLP - Toxicity Characteristic Leaching Procedure
EPA - Environmental Protection Agency
TCEQ - Texas Commission on Environmental Quality
REG - Regulatory Limit (User Should Verify)
MQL - Method Quantation Limit
RCVD - As Received (Wet) Basis
mg/L - Milligrams per Liter (PPM Volume)
mg/kg - Milligrams per Kilogram (PPM Weight)

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO111000636

Stolt - Nielson, Inc 1898
Prof# 1898

EPAHO11100637

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/7/2006**

Dear **Juan Almaguer**

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

CES Profile # 1898

Generator: Stolt-Nielson Inc
Address: 16300 De Zavalla Road, Bldg. 4
Channelview, TX 77530

Waste Information

Name of Waste: Tankwash waste water
TCEQ Waste Code #: 02331141
Container Type:
Detailed Description of Process Generating Waste:
Wastewater from wash down of RCRA empty isocontainers last containing various orgai
Color: varies **Odor:** na **pH:** 4-11
Physical State:
Incompatibilities: none
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.

DC

CES Environmental Services, Inc.

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

#1898

SECTION 1: Generator Information

Company:	Stolt-Neilsen Inc		
Address:	16300 De Zavalla Road, Bldg. 4		
City, State, Zip:	Channelview, TX 77530		
Contact:	Juan Almaguer	**Title:**	Tank Wash Manager
Phone No:	281-860-6309	**Fax No:**	281-860-6307
24/hr Phone:			
U.S. EPA I.D. No:	TXD000326819		
State I.D.	83712	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Tankwash Waste Water

Detailed Description of Process Generating Waste: Wastewater from wash down of isocontainers last containing various organics RCRA empty

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

Color: varies **Odor:** NA

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

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

Container Type:	☐ **Drum**	☐ **Tote**	☒ **Truck**	☐ **Other (explain)**
Container Size:			5000 gal	

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

Number of Units (containers): 10 **Other:**

Texas State Waste Code No: 02331141

Proper U.S. DOT Shipping Name: Non RCRA/Non DOT Regulated Material

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

Flash Point >140	**pH** 4-11	**Reactive Sulfides** NAmg/l	**Reactive Cyanides** NAmg/l	**Solids** 0-2%
Oil&Grease >100mg/l	**TOC** >1000mg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	80-90	%
Oil	1-5	%
Solids, dirt	0-2	%

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.
MES Lab#6020005

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: No reactive material in waste or generating process
Corrosivity: pH adjusted prior to shipment
Ignitability: no flammable materials in waste or in generating 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: _____ **Date:** 10-26-06

Printed Name/Title: Juan Almaguer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 11-7-06 (Approved) Rejected 1L

Approval Number: 1898

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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

EPAHO111000641

(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.

EPAHO111000642

TO: Dana

Mercury Environmental Services, Inc.

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

Stolt Tank Containers
16300 Dezavala
Channelview, TX 77530

Phone: (832) 473-3285
Fax: (281) 860-6307

Attn: **Juan Almaguer**

- CERTIFICATE OF RESULTS -

MES Lab#: 6020005
Client Sample ID: Waste Water
Extendod ID: PO# UAN1791

Sample Collect Date: 2/1/2006 @ 10:00:00 AM **Sample Type:** Comp
Sample Receipt Date: 2/1/2006 @ 10:35:00 AM

Test Group / Method

TCLP Pesticides Method: SW-846 8081A	MDL	RL	Result	Units	Analyst: TFR Date / Time	
Chlordane	0.0002	0.03	< 0.0002	mg/L	2/8/2006 /	6:28 PM
Endrin	0.0004	0.02	< 0.0004	mg/L	2/8/2006 /	6:28 PM
Heptachlor	0.0002	0.008	< 0.0002	mg/L	2/8/2006 /	6:28 PM
Lindane	0.0002	0.4	< 0.0002	mg/L	2/8/2006 /	6:28 PM
Heptachlor epoxide	0.0002	0.04	< 0.0002	mg/L	2/8/2006 /	6:28 PM
Toxaphene	0.0200	0.5	< 0.0200	mg/L	2/8/2006 /	6:28 PM
Methoxychlor	0.0020	10	< 0.0020	mg/L	2/8/2006 /	6:28 PM

TCLP Herbicides Method: SW-846 8151A	MDL	RL	Result	Units	Analyst: TFR Date / Time	
2,4-D	0.3	10	< 0.3	mg/L	2/8/2006 /	7:54 AM
2,4,5-TP (Silvex)	0.2	1	< 0.2	mg/L	2/8/2006 /	7:54 AM

TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: TFR Date / Time	
Vinyl chloride	0.10	0.2	< 0.10	mg/L	2/7/2006 /	5:19 AM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	2/7/2006 /	5:19 AM
2-Butanone	0.50	200	**0.60**	**mg/L**	2/7/2006 /	5:19 AM
Chloroform	0.05	6	< 0.05	mg/L	2/7/2006 /	5:19 AM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	2/7/2006 /	5:19 AM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	2/7/2006 /	5:19 AM
Benzene	0.05	0.5	< 0.05	mg/L	2/7/2006 /	5:19 AM
Trichloroethene	0.05	0.5	< 0.05	mg/L	2/7/2006 /	5:19 AM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	2/7/2006 /	5:19 AM
Chlorobenzene	0.05	100	< 0.05	mg/L	2/7/2006 /	5:19 AM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	2/7/2006 /	5:19 AM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	2/7/2006 /	5:19 AM

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EPAHO111000643

- CERTIFICATE OF RESULTS -

MES Lab#: 6020005
Client Sample ID: Waste Water
Extended ID: PO# UAN1791

Sample Collect Date: 2/1/2006 @ 10:00:00 AM
Sample Receipt Date: 2/1/2006 @ 10:35:00 AM
Sample Type: Comp

TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time	
Pyridine	0.10	5	< 0.10	mg/L	2/8/2006 /	3:11 PM
1,4-Dichlorobenzene	0.10	7.5	< 0.10	mg/L	2/8/2006 /	3:11 PM
o-Cresol	0.10	200	< 0.10	mg/L	2/8/2006 /	3:11 PM
m+p-Cresol	0.10	200	< 0.10	mg/L	2/8/2006 /	3:11 PM
Hexachloroethane	0.10	3	< 0.10	mg/L	2/8/2006 /	3:11 PM
Nitrobenzene	0.10	2	< 0.10	mg/L	2/8/2006 /	3:11 PM
Hexachlorobutadiene	0.10	0.5	< 0.10	mg/L	2/8/2006 /	3:11 PM
2,4,6-Trichlorophenol	0.10	2	< 0.10	mg/L	2/8/2006 /	3:11 PM
2,4,5-Trichlorophenol	0.10	400	< 0.10	mg/L	2/8/2006 /	3:11 PM
2,4-Dinitrotoluene	0.10	0.13	< 0.10	mg/L	2/8/2006 /	3:11 PM
Hexachlorobenzene	0.10	0.13	< 0.10	mg/L	2/8/2006 /	3:11 PM
Pentachlorophenol	1.00	100	< 1.00	mg/L	2/8/2006 /	3:11 PM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: DCW Date / Time	
Arsenic	0.050	5	< 0.050	mg/L	2/7/2006 /	8:01 PM
Barium	0.002	100	**0.133**	**mg/L**	2/7/2006 /	8:01 PM
Cadmium	0.004	1	< 0.004	mg/L	2/7/2006 /	8:01 PM
Chromium	0.007	5	< 0.007	mg/L	2/7/2006 /	8:01 PM
Lead	0.010	5	**0.010**	**mg/L**	2/7/2006 /	8:01 PM
Selenium	0.050	1	< 0.050	mg/L	2/7/2006 /	8:01 PM
Silver	0.002	5	< 0.002	mg/L	2/7/2006 /	8:01 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: DCW Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	2/7/2006 /	7:20 PM

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

Holland D. Gilmore, Laboratory Director

Thursday, February 09, 2006
Date

PAGE 02/02 SNTG TANKWASH 2818606307 10/26/2006 20:11

EPAHQ111000644

Smith International 1899
Prof# 1899

EPAHO11100645

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/7/2006**

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 # 1899

Generator: Smith International
Address: 16740 Hardy Street
Houston, TX 77032

Waste Information

Name of Waste: Kemplate solids
TCEQ Waste Code #: 00396031
Container Type:
Detailed Description of Process Generating Waste:
Metal preheat treating process, residue solids are collected in 55 gallon drums for disposa
Color: brown to grey **Odor:** non **pH:** 3-8
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**

GR
1899

SECTION 1: Generator Information

Company:	Smith International		
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:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD000729426		
State I.D.	30682	**SIC Code:**	N/A

SECTION 2: Billing Information – ☐ Same as Above

Company:	Smith International		
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: Kemplate Solids
Detailed Description of Process Generating Waste: Metal Preheat treating process, residue solids are collected in 55 gallon drums for disposal.

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

Color: brown to grey **Odor:** none

Specific Gravity (water=1): 1.3 **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): 5 **Other:** ____
Texas State Waste Code No: 00396031
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point none	**pH** 3.0-8.0	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 100%
Oil&Grease <1500mg/l	**TOC** <1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 67.1 TCLPmg/l

EPAHO111000647

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Kemplate Solids-mixture of salts	60-100	%
Clay Absorbent	0-40	%
Trash-cans, rags dirt 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.
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: ____
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: Bill Swain **Date:** 11-6-06

Printed Name/Title: Bill Swain, Env. Coord.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: OS

Date: 11-7-06 Approved Rejected

Approval Number: 1899

EPAHO111000648

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

EPAHO111000649

(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.

EPAHO111000650

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: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6100460
Client Sample ID: Kemplate Solids
Extended ID: Smith Int'l

Sample Collect Date: 10/18/2006 @ 1:00:00 PM
Sample Receipt Date: 10/18/2006 @ 2:30:00 PM
Sample Type: Comp

Test Group / Method

TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Antimony	0.032	1	< 0.032	mg/L	10/22/2006 / 8:47 PM
Arsenic	0.014	5	**0.018**	**mg/L**	10/22/2006 / 8:47 PM
Barium	0.0005	100	**0.0314**	**mg/L**	10/22/2006 / 8:47 PM
Beryllium	0.0005	0.08	**0.0022**	**mg/L**	10/22/2006 / 8:47 PM
Cadmium	0.002	1	< 0.002	mg/L	10/22/2006 / 8:47 PM
Chromium	0.002	5	< 0.002	mg/L	10/22/2006 / 8:47 PM
Lead	0.005	5	< 0.005	mg/L	10/22/2006 / 8:47 PM
Nickel	0.003	70	**67.1**	**mg/L**	10/22/2006 / 8:47 PM
Selenium	0.024	1	< 0.024	mg/L	10/22/2006 / 8:47 PM
Silver	0.002	5	**0.012**	**mg/L**	10/22/2006 / 8:47 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	10/20/2006 / 12:34 AM

Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL	Result	Units	Analyst: TFR Date / Time
C6 - C12 Hydrocarbons	4	**260**	**mg/kg**	10/20/2006 / 2:14 AM
>C12 - C28 Hydrocarbons	8	**467**	**mg/kg**	10/20/2006 / 2:14 AM
>C28 - C36 Hydrocarbons	8	< 8	mg/kg	10/20/2006 / 2:14 AM
Total TPH	20	**727**	**mg/kg**	10/20/2006 / 2:14 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	10/19/2006 / 2:00 PM

EPAHO111000651

- CERTIFICATE OF RESULTS -

MES Lab#: 6100460

Client Sample ID: Kemplate Solids
Extended ID: Smith Int'l

Sample Collect Date: 10/18/2006 @ 1:00:00 PM **Sample Type:** Comp
Sample Receipt Date: 10/18/2006 @ 2:30:00 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25	< 0.25	mg/kg	10/19/2006 / 2:30 PM

Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**4.21**		10/19/2006 / 9:15 AM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DB Date / Time
Flashpoint		**>150**	deg F	10/19/2006 / 11:00 AM

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

Tuesday, October 24, 2006

Holland D. Gilmore, Laboratory Director **Date**

EPAHO111000652

6100460

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC
C6-C12		< 4	112.9	86.0	99.2
C12-C28		< 8	113.9	86.2	99.5

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	LOW CCV %REC	CHECK STD	ICS %REC
Antimony	< 0.032	103.8	98.8	4.89	< 0.032	96.5	116.0	96.4
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Beryllium	< 0.002	90.9	95.9	5.36	< 0.002	92.6	93.6	93.5
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Nickel	< 0.001	103.0	104.0	0.97	< 0.001	94.3	95.2	85.3
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	8.26	8.24	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	108

6100460
Page 2

QA/QC REPORT CONTINUED

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature _____ October 24, 2006
Holland D. Gilmore / Laboratory Director

MES - CHAIN OF CUSTODY

1-800-771-4MES
(281) 476-4534
Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
Fax (281)-476-4406

1
COMPANY NAME: (BILL TO:) CES Environmental
COMPANY ADDRESS:
CITY STATE ZIP
CONTACT PERSON'S NAME: Gary Brauchmann
CONTACT PERSON'S PHONE: 713-417-5732 FAX #:

2
YOUR PROJECT NO.: Smith Int'l | YOUR P.O. #: WBL Gary | YOUR PROJECT NAME: Template solids
PROJECT ADDRESS:

YOUR SAMPLE DESCRIPTION	GRAB/COMP	DATE	TIME	MATRIX	4 PARAMETERS FOR ANALYSIS: TCLP(Metals)	TPH	BTEX				NUMBER OF CONTAINERS	PRESERVATIONS	5 REMARKS
Template solids	C	10/18/06	1:00pm	S	✓	✓	✓						
3													26°C

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.): a. Gary Brauchmann b.
RELINQUISHED BY: (Signature) | DATE: 10-18-06 | TIME: 2:30 | RECEIVED BY: (Signature) Mandy Dan

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) Mandy Dan | DATE 10/18 | TIME 1430

8
Sample Remainder Disposal
☐ Return Sample Remainder To Client Via
☒ Request Lab To Dispose Of All Sample Remainders
(Signature) (Date) 10-18-06

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

PAGE 09 MES -2814764406 10/25/2006 08:21 EPAHO11000655

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-1899**

Customer: **Smith International**

Waste Generator: **Smith International**

Waste Stream Name: **Kemplate solids**

Expiration Date: **11/7/2008**

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 Caracci
Customer Name

Signature

Facility HSE Spec. Smith International Inc
Company / Title

03/18/09
Date

Tenaris 1900

EPAHO11100657

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/8/2006**

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 # 1900

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

Waste Information

Name of Waste: Cooling vat sludge
TCEQ Waste Code #: 00022191
Container Type:
Detailed Description of Process Generating Waste:
Removal of sludge from cooling vats
Color: dark **Odor:** slight hydrocarbon **pH:** 6-12.5
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

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

1900

SECTION 1: Generator Information

Company:	Precision Tube Technologies		
Address:	8615 Beltway 8 East		
City, State, Zip:	Houston, TX 77044		
Contact:	Gary Bailey	**Title:**	Plant Maintenance Manager
Phone No:	281-458-2883	**Fax No:**	281-459-2404
24/hr Phone:			
U.S. EPA I.D. No:	TXR000043122		
State I.D.	20623	**SIC Code:**	N/A

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Cooling Vat Sludge
Detailed Description of Process Generating Waste: removal of sludge from cooling vats

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

Color: dark **Odor:** slight hydrocarbon

Specific Gravity (water=1): 1.1-1.3 **Density:** 8-8.5 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type:	☐ Drum	☐ Tote	☒ Truck	☐ Other (explain)
Container Size:	____	____	3500 gal	____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 2 **Other:** ____
Texas State Waste Code No: 00022191
Proper U.S. DOT Shipping Name: Non RCRA/Non DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >200	**pH** 6-12.5	**Reactive Sulfides** nonemg/l	**Reactive Cyanides** nonemg/l	**Solids** 40%
Oil&Grease >100mg/l	**TOC** N/Amg/l	**Zinc** namg/l	**Copper** namg/l	**Nickel** namg/l

EPAHO111000659

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	60-80	%
Sand/Dirt/Silt	20-40	%
Oil	1-5	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analytical 99250.01

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: ____
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: Gary Bailey **Date:** 11-6-06

Printed Name/Title: Gary Bailey

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: [signature]	OSL
Date: 11-7-06 Approved Rejected	
Approval Number: 1900	

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.

ENVIRON EXPRESS LABORATORIES, INC.
401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

Sold To: CES Environmental Srvs., Inc.
4904 Griggs Road
Houston, TX 77021
USA

Invoice Number: 99250

Invoice Date: Oct 28, 2004

Customer PO	Payment Terms	Due Date	Sales Rep ID
	Net 30 Days	11/27/04	JK

Quantity	Item	Description	Unit Price	Extension
1.00		BTEX - 3 Day TAT	63.00	63.00
1.00		TCLP RCRA Metals +Ni and Cu - 3 Day TAT	174.00	174.00
1.00		RCI - 3 Day TAT	94.00	94.00
		.....		
		ENVIRON I.D.: 99250.01		
		Requested By: Matt Bowman		
		Proj: Precision Tube		
		Rec'd: 8/30/04		

POSTED
10.29.04

TOTAL 331.00

Remit to :
Environ Express Laboratories
401 N. 11th Street
La Porte, Texas 77571-3115

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

00022191

CERTIFICATE OF ANALYSIS NO: 99250.01 1of 1

Customer: **CES Environmental**
Project ID: **Precision Tube**
Project Loc: **Beltway 8, Houston, TX**
Charge/P.O.:

Sample ID: **Cooling Vat Sludge**
Matrix: **Sludge**
Type: **Composite**

Environ ID: **99250.01**
Sampled: **08-30-04**
Received: **08-30-04**
Reported: **09-02-04**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BTEX								
Benzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	08-31-04	22:31
Toluene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	08-31-04	22:31
Ethylbenzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	08-31-04	22:31
Xylenes	< 0.003	mg/l	--	0.003	SW846.8021B	DMB	08-31-04	22:31
Total BTEX	< 0.006	mg/l			SW846.8021B	DMB	08-31-04	22:31
RCI								
Reactive Cyanide	< 20	mg/l	250	20	SW846.7.3.3	DB	08-31-04	07:40
Reactive Sulfide	< 20	mg/l	500	20	SW846.7.3.4	DB	08-31-04	07:40
Corrosivity (Ph)	8.55	su	=>2; =<12.5	--	SW846.9045C	MN	08-30-04	16:00
Ignitability	> 200	°F	> 140	--	SW846.1010	DB	08-31-04	08:00
METALS (RCRA) - TCLP					SW846.1311	MN	08-30-04	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	09-01-04	09:50
Barium	1.12	mg/l	100	0.02	SW846.6010B	DB	09-01-04	09:50
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	DB	09-01-04	09:50
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	DB	09-01-04	09:50
Copper	0.05	mg/l	--	0.02	SW846.6010B	DB	09-01-04	09:50
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	DB	09-01-04	09:50
Nickel	0.28	mg/l	70.0	0.05	SW846.6010B	DB	09-01-04	09:50
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	DB	09-01-04	09:50
Silver	< 0.1	mg/l	5.00	0.1	SW846.6010B	DB	09-01-04	09:50
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	09-01-04	07:00

Definitions:
TCLP - Toxcisity Charasteric Leaching Procedure
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
su - Standard Units
VOC - Volatile Organic Compounds
SVOC - Semivolatile Organic Compounds
TPH - Total petroleum Hydrocarbons

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO111000664

Page 1 of 1

1Whs, 4-2-04

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308

Results To: CES Env.	Invoice To: CES Env.
Company: CES Env.	Company: CES Env.
Address:	Address:
City State: Zip:	City: State: Zip:
Phone:	Phone:
Fax:	Fax:
e-Mail:	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #	COC Present? Yes No
Shipment Sealed? Yes No	Samples Sealed? Yes No
Received on Ice? Yes No	Samples Intact? Yes No
Cooler Temp. (°C) 1.0	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: Precision Tube
Project Location: Beltway 8, Houston TX
Project No:
Sampler (Print): Matt Bowman
Sampler (Sign): Matt Bowman

Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	COMP/GRAB	BTEX (8021)	TPH (TX1005)	MTBE	PAH	VOLATILES	SEMI-VOLS	RCRA METALS	TOTAL TCLP SPLP RCI	Nickel	Copper
	[2] Cntr. Type		G											
	Number		1											
	Volume		32oz											
	[3] Preservative		1											
99250.01	1) Cooling Vat Sludge	8-30-04 10:15AM	Sludge	Comp	X						X	X	X	X
	2)													
	3)													
	4)													
	5)													
	6)													
	7)													
	8)													
	9)													
	10)													

Relinquished By: Matt Bowman	Company: CES Env.	Date/Time: 8/30/04 2:45PM	Received By: Ronda Hargrave
Relinquished By:	Company:	Date/Time:	Received By:
Relinquished By:	Company:	Date/Time:	Received By:

[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.

9-2-05

9- 2-04; 2:22PM;Environ

;2814715821

3/3

EPAHO111000665

Page 1 of 1

Thurs, 9-2-04

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308

Results To: CES Env.	Invoice To: CES Env.
Company: CES Env.	Company: CES Env.
Address:	Address:
City State: Zip:	City: State: Zip:
Phone:	Phone:
Fax:	Fax:
e-Mail:	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #

COC Present? (Yes) No

Shipment Sealed? (Yes) No

Samples Sealed? (Yes) No

Received on Ice? (Yes) No

Samples Intact? (Yes) No

Cooler Temp. (°C): 5

Preservative Shown? Yes No (NA)

Hold Time OK? (Yes) No

Res. Cl2 Check OK? Yes No (NA)

pH Check OK? Yes No (NA)

COC & Labels Agree? (Yes) No

Project Name: Precision Tube

Project Location: Beltway 8, Houston TX

Project No:

Sampler (Print): Matt Bowman

Sampler (Sign): Matt Bowman

Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	COMP/GRAB	BTEX (8021)	TPH (TX1005)	MTBE	PAH	VOLATILES (TOTAL / TCLP / SPLP)	SEMI-VOLS (TOTAL / TCLP / SPLP)	RCRA METALS (TOTAL / TCLP / SPLP)	RCI	Nickel	Copper
	[2] Cntr. Type		G											
	Number		1											
	Volume		32oz											
	[3] Preservative		1											
	1) Cooling Vat Sludge	8-30-04 10:15AM	Sludge	Comp	X						X	X	X	X
	2)													
	3)													
	4)													
	5)													
	6)													
	7)													
	8)													
	9)													
	10)													

Remarks & Additional Analyses

Relinquished By: Matt Bowman	Company: CES Env.	Date/Time: 8/30/04 2:45PM	Received By: Ronda Hargrave
Relinquished By:	Company:	Date/Time:	Received By:
Relinquished By:	Company:	Date/Time:	Received By:

[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.

EPAHO111000666

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 # 1900

Expiration Date 11/7/2008

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

Waste Information

Name of Waste: Cooling vat sludge
TCEQ Waste Code #: 00022191
Container Type:
Detailed Description of Process Generating Waste:
Removal of sludge from cooling vats
Color: dark **Odor:** slight hydrocarbon **pH:** 6-12.5
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company :	Tenaris Coiled Tube, LLC.		
Address :	8615 Beltway 8 East 8615 Beltway 8 East		
City, State, Zip :	Houston TX 77044		
Contact :	Gary Bailey	**Title :**	
Phone No :	(281) 458-2883	**Fax :**	(281) 459-2404
24 / HR Phone :			
U.S EPA I.D No :	TXR000049122		
State I.D :	20623	**SIC Code**	na

SECTION 2: Billing Information

Company :	Tenaris Coiled Tube, LLC.		
Address :	8615 Beltway 8 East 8615 Beltway 8 East		
City, State, Zip :	Houston TX 77044		
Contact :	Gary Bailey	**Title :**	
Phone No :	(281) 458-2883	**Fax :**	(281) 459-2404

SECTION 3: General Description of the Waste

Name of Waste : Cooling vat sludge

Detailed Description of the Process Generating Waste:

Removal of sludge from cooling vats

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

Color : dark **Odor :** slight hydrocarbon

Specific Gravity (Water=1) : 1.1-1.3 **Density :** 8-8.5 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 : 3500

Number Of Units : 2

Texas State Waste Code No : 00022191

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

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

EPAHO111000668

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	6-12.5	0 mg/l	0 mg/l	40 %
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	CONCENTRATION	UNITS
The material / product consists of the following materials	Ranges are acceptable	or %
water	60-80	%
sand/dirt/silt	20-40	%
oil	1-5	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
Analytical 99250.01

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 generators 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 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 /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Robert R Taylor

Date : 11/7/06 Status : Approved Rejected

Approval Number : OLD PROFILE # 1900

Process Facility 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 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.

EPAHO111000671

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

US Flowchem 1871
Prof # 1871

χ3
8-4-09
LAO
1-34

EPAHO11100673

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/19/2006**

Dear **Steve Erikson**

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 # 1871

Generator: US Flowchem
Address: 43253 Old Houston Hwy
Waller, TX 77484

Waste Information

Name of Waste: Non-hazardous white latex paint
TCEQ Waste Code #: FGMH2091
Container Type:
Detailed Description of Process Generating Waste:
Unused product
Color: white **Odor:** none **pH:** 4-9
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

#1871

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:	US Flowchem		
Address:	18121 Telge Rd		
City, State, Zip:	Cypress, TX 77429		
Contact:	Steve Erikson	Title:	Owner
Phone No:	713-240-2277	Fax No:	281-357-1853
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:			
State I.D.	XXX12	SIC Code:	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	US Flowchem		
Address:	43253 Old Houston Hwy		
City, State, Zip:	Waller, TX 77484		
Contact:	Steve Erikson	Title:	Owner
Phone No:	713-240-2277	Fax No:	281-357-1853

SECTION 3: General Description of the Waste

Name of Waste: Non Hazardous White Latex Paint
Detailed Description of Process Generating Waste: Unused product

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

Color: White 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: 55 g

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly one time
Number of Units (containers): 2 Other: one time
Texas State Waste Code No: PGM H20a
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Latex Paint
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH 4-9	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 0-5%
Oil&Grease Namg/l	TOC Namg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

EPAHO111000675

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Unused White Latex Paint	100	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

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:** 10/13/06

Printed Name/Title: Jerry Barlow CEO

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: OSL

Date: 10-18-06 (Approved) Rejected

Approval Number: 1871

OCT-18-2006 08:30 FROM: 9363720058 TO:713 676 1676 P.10/20

EPAHO111000676

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

EPAHO111000677

(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

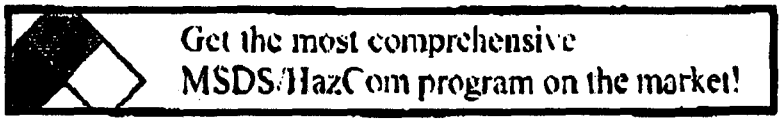
☐ Oils Subcategory

☐ 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.

EPAHO111000678



Material Safety Data Sheet

SECTION I - Material Identity
SECTION II - Manufacturer's Information
SECTION III - Physical/Chemical Characteristics
SECTION IV - Fire and Explosion Hazard Data
SECTION V - Reactivity Data
SECTION VI - Health Hazard Data
SECTION VII - Precautions for Safe Handling and Use
SECTION VIII - Control Measures
SECTION IX - Label Data
SECTION X - Transportation Data
SECTION XI - Site Specific/Reporting Information
SECTION XII - Ingredients/Identity Information

SECTION I - Material Identity

Item Name	
Part Number/Trade Name	1801-01 WHITE LATEX PAINT
National Stock Number	8010P886050F
CAGE Code	6R552
Part Number Indicator	A
MSDS Number	11788
HAZ Code	B

SECTION II - Manufacturer's Information

Manufacturer Name	DEVOE AND RAYMOND CO
City	IRVINE
State	CA
Country	US

MSDS Preparer's Information

Date MSDS Prepared/Revised	051793
Active Indicator	N

Alternate Vendors

OCT-18-2006 08:31 FROM: 9363720058 TO:713 676 1676 P.13/20

SECTION III - Physical/Chemical Characteristics

Specific Gravity	1.1959
Percent Volatiles by Volume	68
Container Pressure Code	1
Temperature Code	4
Product State Code	L

SECTION IV - Fire and Explosion Hazard Data

Flash Point Method	UNK

SECTION V - Reactivity Data

Stability	N/K

SECTION VI - Health Hazard Data

SECTION VII - Precautions for Safe Handling and Use

SECTION VIII - Control Measures

Disposal Code	O

SECTION IX - Label Data

Protect Eye	NO
Protect Skin	NO
Protect Respiratory	NO
Chronic Indicator	UNKNOWN
Contact Code	UNKNOWN
Fire Code	UNKNOWN
Health Code	UNKNOWN
React Code	UNKNOWN

SECTION X - Transportation Data

Container Quantity	1
Unit of Measure	GL

OCT-18-2006 08:31 FROM: 9363728058 TO:713 676 1676 P.14/20

EPAHO111000680

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)	2.87
Volatile Organic Compounds (G/L)	343.9375

SECTION XII - Ingredients/Identity Information

Ingredient #	01
Ingredient Name	WATER
CAS Number	7732185
Proprietary	NO
Percent	45
OSHA PEL	NR
ACGIH TLV	NR
Recommended Limit	NONE SPECIFIED
Ingredient #	02
Ingredient Name	ACRYLIC RESIN
CAS Number	1003
Proprietary	NO
Percent	25
OSHA PEL	NR
ACGIH TLV	NR
Recommended Limit	NONE SPECIFIED
Ingredient #	03
Ingredient Name	TITANIUM DIOXIDE
CAS Number	13463677
Proprietary	NO
Percent	15
OSHA PEL	NR
ACGIH TLV	NR
Recommended Limit	NONE SPECIFIED
Ingredient #	04
Ingredient Name	1,2-PROPANEDIOL
CAS Number	57556
Percent	5
OSHA PEL	NR
ACGIH TLV	NR
Recommended Limit	NONE SPECIFIED
Ingredient #	05
Ingredient Name	PROPANOIC ACID, 2-METHYL-, MONOESTER WITH 2,2,4-TRIMETHYL-1,3-PENTANEDIOL(<5%)
CAS Number	25265774
Proprietary	NO
Percent	5

OCT-18-2006 08:31 FROM: 9363720058 TO:713 676 1676 P.15/20

EPAHO111000681

OSHA PEL	NR
ACGIH TLV	NR
Recommended Limit	NONE SPECIFIED
Ingredient #	06
Ingredient Name	CARBAMIC ACID, BUTYL-, 3-IODO-2-PROPYNYL ESTER(<1%)
CAS Number	55406536
Proprietary	NO
Percent	1
OSHA PEL	NR
ACGIH TLV	NR
Recommended Limit	NONE SPECIFIED

TNRCC

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

ONE-TIME SHIPMENT REQUEST FOR TEXAS WASTE CODE FOR SHIPMENT OF CLASS 1, 2, 3 AND EPA HAZARDOUS WASTE

Pursuant to the generator notification requirements of 30 TAC Section 335.6, the generator of a solid waste is required to submit to the TNRCC detailed written information pertaining to the composition and characteristics of the waste. Please complete all applicable sections. Incomplete forms will delay processing. Assigned waste codes cannot be changed without prior approval from the TNRCC.

US Flowchem
18121 Telge Rd
Cypress, Tx 77429

Please type or print legibly:

GENERATOR CONTACT PERSON
GENERATOR COMPANY NAME
GENERATOR MAILING ADDRESS
CITY, STATE, ZIP CODE
PHONE NO. (713) 854-6150
FAX NO. (713) 676-1676

COMPLETE ONLY IF NOT REGISTERED

Are you industrial? ☒ Yes ☐ No Are you CESQG? ☒ Yes ☐ No

If industrial, have you submitted TNRCC Initial Notification form (TNRCC-0002)? ☐ Yes ☐ No

Date submitted: _____

COMPLETE ONLY IF REGISTERED

XXX 12
Solid Waste Registration No.
TXP490343424
U. S. EPA Identification No.

Generating Site Location (Check if same as above) _____
(STREET ADDRESS OR PHYSICAL DESCRIPTION)

Designated Treatment, Storage, and/or Disposal Facility Name and Address 1-3 CES Environmental Services, Inc. 4904 Griggs Rd. Houston Tx 77021. 4 Pollution Control Industries, 5485 Tay-Fur Drive, Millington TN 38053

DESCRIPTION OF WASTE
(do not use DOT description or trade name)

1. Non Hazardous vegetable oil based drag reducer
2. Non Hazardous water based blue dye
3. Non Hazardous Waste Latex Paint
4. Waste Oil & water w/ possible rubber solids from drag reducer

TNRCC USE ONLY

For TNRCC Assignment of Texas Waste Code Number	① FORM CODE	② CLASS CODE	③ EPA CODE	④ ORIGIN CODE
FGMF4092	409	2	N/A	1
FGMG1191	119	1	N/A	1
FGMH2091	209	1	N/A	1

PROCESSED DATE: 10-16-06
PROCESSED BY: Janet Hazlett
TNRCC REGION: Reg. 12 OFFICE

GENERATOR/REPRESENTATIVE

I certify that the above information is correct to the best of my knowledge.

I, Dan Bowman, am employed by:
(NAME, Please Print)

(COMPANY NAME AND MAILING ADDRESS)

CES Environmental Services, Inc.
4904 Griggs Rd
Houston, Tx 77021

I am authorized to sign this certification for:

CES Environmental Services
(COMPANY NAME)

Dan Bowman
(SIGNATURE)

10/13/06
(DATE)

(713) 854-6150
(PHONE NUMBER)

(713) 676-1676
(FAX NUMBER)

TNRCC-0757 (Rev. 10/99)

TOTAL P.03

Enterprise - Seminole 1872
Prof # 1872

EPAHO11100684

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/19/2006**

Dear **Cornine Anderson**

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 # 1872

Generator: Enterprise Seminole Pipeline (Copeland)
Address: 200 County Road 454
Taylor, TX 76574

Waste Information

Name of Waste: Oil and water mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Removal of oil and water from natural gas compressor stations.
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1872

SECTION 1: Generator Information

Company:	Enterprise Seminole Pipeline (Copeland)		
Address:	200 County Road 454		
City, State, Zip:	Taylor, TX 76574		
Contact:	Ron Richie	**Title:**	
Phone No:	512-461-4885	**Fax No:**	
24/hr Phone:	512-461-4885		
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:	Enterprise Products		
Address:	1125 West Park One Drive		
City, State, Zip:	Sugarland, TX 77478		
Contact:	Corinine Anderson	**Title:**	Office Assistant
Phone No:	281-240-5100	**Fax No:**	281-240-3529

SECTION 3: General Description of the Waste

Name of Waste: Oil and Water Mixture
Detailed Description of Process Generating Waste: Removal of oil and water from natural gas compressor stations.

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

Color: Dark **Odor:** Hydrocarbon

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

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

Container Type:	☐ **Drum**	☐ **Tote**	☒ **Truck**	☐ **Other (explain)**
Container Size:	____	____	1000	____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Non DOT regulated oil and water mixture
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	N/Amg/l	N/Amg/l	0-2%

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

EPAHO111000686

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Compressor Oil	5-15	%
Water	85-95	%
Dirt/Sand	1-2	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 10-18-06

Printed Name/Title: Charlie Markowitz

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: REC

Date: 10-19-06 Approved / Rejected

Approval Number: 1872

EPAHO111000687

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

EPAHO111000688

(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.

EPAHO111000689

Enterprise Products (Long Mountain)
Prof # 1873
1873

EPAHO111000690

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/19/2006**

Dear **Cornine Anderson**

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 # 1873

Generator: Enterprise Seminole Pipeline (Long Mountain)
Address: 5500 County Road 108
Burnet, TX 78611

Waste Information

Name of Waste: Oil and water mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Removal of oil and water from natural gas compressor stations.
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1873

SECTION 1: Generator Information

Company:	Enterprise Seminole Pipeline (Long Mountain)		
Address:	5500 County Road 108		
City, State, Zip:	Burnet, TX 78611		
Contact:	Ron Richie	**Title:**	
Phone No:	512-461-4885	**Fax No:**	
24/hr Phone:	512-461-4885		
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:	Enterprise Products		
Address:	1125 West Park One Drive		
City, State, Zip:	Sugarland, TX 77478		
Contact:	Corinine Anderson	**Title:**	Office Assistant
Phone No:	281-240-5100	**Fax No:**	281-240-3529

SECTION 3: General Description of the Waste

Name of Waste: Oil and Water Mixture
Detailed Description of Process Generating Waste: Removal of oil and water from natural gas compressor stations.

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

Color: Dark **Odor:** Hydrocarbon

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

Layers: ☐ Single-phase ☒ Multi-phase

Container Type:	☐	**Drum**	☐	**Tote**	☒	**Truck**	☐ **Other (explain)**
Container Size:		____		____		1000	____

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

Number of Units (containers): 1 **Other:** ____

Texas State Waste Code No: Recycle

Proper U.S. DOT Shipping Name: Non DOT regulated oil and water mixture

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	N/Amg/l	N/Amg/l	0-2%

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

EPAHO111000692

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Compressor Oil	5-15	%
Water	85-95	%
Dirt/Sand	1-2	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 10/18/06

Printed Name/Title: Charlie Marbaugh

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: REC

Date: 10-19-06 (Approved) Rejected

Approval Number: 1873

EPAHO111000693

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

EPAHO111000694

(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.

EPAHO111000695

Enterprise Products 1874
Prof # 1874

EPAHO11100696

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/19/2006**

Dear **Cornine Anderson**

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 # 1874

Generator: Enterprise Seminole Pipeline (San Saba)
Address: County Road 1030 and South of Hwy 190
San Saba, TX 76877

Waste Information

Name of Waste: Oil and water mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Removal of oil and water from natural gas compressor stations.
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

1874

SECTION 1: Generator Information

Company:	Enterprise Seminole Pipeline (San Saba)		
Address:	CR 1030 and South of Hwy 190		
City, State, Zip:	San Saba, TX 76877		
Contact:	Ron Richie	**Title:**	
Phone No:	512-461-4885	**Fax No:**	
24/hr Phone:	512-461-4885		
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:	Enterprise Products		
Address:	1125 West Park One Drive		
City, State, Zip:	Sugarland, TX 77478		
Contact:	Corinine Anderson	**Title:**	Office Assistant
Phone No:	281-240-5100	**Fax No:**	281-240-3529

SECTION 3: General Description of the Waste

Name of Waste: Oil and Water Mixture
Detailed Description of Process Generating Waste: Removal of oil and water from natural gas compressor stations.

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

Color: Dark **Odor:** Hydrocarbon

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

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

Container Type:	☐ **Drum**	☐ **Tote**	☒ **Truck**	☐ **Other (explain)**
Container Size:	____	____	1000	____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Non DOT regulated oil and water mixture
Class: ____ **UN/NA:** ____ **PG:** ____ **RQ:** ____

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	N/Amg/l	N/Amg/l	0-2%

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

EPAHO111000698

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Compressor Oil	5-15	%
Water	85-95	%
Dirt/Sand	1-2	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Charlie Markwz **Date:** 10-18-06

Printed Name/Title: Charlie Markwz

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rebecca Langston Additional Information: REC

Date: 10-19-06 Approved Rejected

Approval Number: 1874

EPAHO111000699

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

EPAHO111000700

(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.

EPAHO111000701

Amico Klemp 1875
Prof # 1875

EPAHO11100702

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/19/2006**

Dear **Robby Meriovsky**

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

CES Profile # 1875

Generator: Amico-Klemp
Address: CR 606
Dayton, TX 77535

Waste Information

Name of Waste: Water based paint
TCEQ Waste Code #: CESQ1011
Container Type:
Detailed Description of Process Generating Waste:
Used to coat grating and catwakks
Color: clear / black **Odor:** mild **pH:** 5-9
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.

#1875

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:	Amico Klemp		
Address:	CR 606		
City, State, Zip:	Dayton TX 77535		
Contact:	Shawn Fenner	Title:	
Phone No:	936-258-5521	Fax No:	936-257-0980
24/hr Phone:	SAME		
U.S. EPA I.D. No:	NONE		
State I.D.	NONE	SIC Code:	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston, TX. 77029		
Contact:	Robby Mersiovsky	Title:	Sales
Phone No:	713-882-7740	Fax No:	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: ~~Used heating oil and water~~ Rm Water BASED Paint
Detailed Description of Process Generating Waste: ~~Used heating oil and water from underground storage tank~~ Rm USED to coat grating & catwalks

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

Color: clear/black **Odor:** mild

Specific Gravity (water=1): 1.2 **Density:** 10 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☑ Drum ☑ Tote ☒ ~~Truck~~ ☐ Other (explain)
Container Size: 55 275 ~~6000 gal~~

Frequency: ☐ Weekly ☑ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 3 **Other:**
Texas State Waste Code No: CESQ 1011
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	5-9	0 mg/l	0 mg/l	< 5%

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

EPAHO111000704

SECTION 4: Physical and Chemical Data

COMPONENT/STRUCTURE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
~~Rain water~~ water based paint	100	~~%~~
~~Used heating oil~~		~~%~~
water	~~50%~~	
pigment	~~50%~~	

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.

~~HSDS - Matt has HSDS.~~ 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: Steven Taylor **Date:** 10/18/06

Printed Name/Title: STEVEN TAYLOR · SAFETY MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] **Additional Information:** 1L

Date: 10-18-06 Approved Rejected

Approval Number: 1875

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

EPAHO111000706

(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.

EPAHO111000707

Enterprise Products 1876
Ref# 1876

EPAHO11100708

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **12/18/2006**

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 # 1876

Generator: Enterprise Products Operating, L.P.
Address: 316 S. Main St., Attn: Rachel Wheaton
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Catalyst, desiccants, absorbents, water etc.
TCEQ Waste Code #: 00723931
Container Type:
Detailed Description of Process Generating Waste:
Generated from manufacturing process and daily operations
Color: brown **Odor:** hydrocarbon **pH:** 5.8
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

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

MB
#1876

SECTION 1: Generator Information

Company: Enterprise Products Operating L.P.
Address: 316 S. Main St
City, State, Zip: Mont Belvieu, TX, 77580
Contact: Mike Tomerlin Title:
Phone No: 281-385-4310 Fax: 281-385-4532
24 / HR Phone:
U.S EPA I.D No: TXT490013455
State I.D: 31038 SIC Code

SECTION 2: Billing Information

Company: Enterprise Products Operating L.P
Address: P.O. Box 573
City, State, Zip: Mont Belvieu, TX, 77580
Contact: Mike Tomerlin Title:
Phone No: 281-385-4310 Fax: 281-385-4532

SECTION 3: General Description of the Waste

Name of Waste: Catalyst, Dessicants Absorbents, water
Generated from manufacturing process and daily operation.

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

Color: Brown Odor: Hydrocarbon Chemical

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: 40

Texas State Waste Code No. 00723931

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
160	5.83	< 50 mg/l	< 50 mg/l	10-15 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
~~NA~~ >1500 mg/l	>1500 ~~NA~~ mg/l	N/A mg/l	N/A mg/l	N/A mg/l

SECTION 4: Physical and Chemical Data

Spent Catalyst	25 - 40 %
Dessicants	35 - 50 %
Absorbents	25 - 40 %
water	10 - 15 %
Dirt, Silt, Sand	10 - 15 %
Hydraulic oil	1 - 2 %

SECTION 5: Safety Related Data

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

Standard PPE

SECTION 6: Attached Supporting Documents

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

C of A # 61183.01

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 :

TCLP Semi-Volatiles :

Reactivity :

Corrosivity :

Ignitability :

SECTION 9: Generator's Certification

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

Authorized Signature : Mike Tomerlin Date : 12/15/2006

Printed Name / Title : Mike Tomerlin / Field Env. Lead.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Robert Thyrd

Date : 12-18-06 Status : (Approved) Rejected

Approval Number : 1876

Special Pricing / Analytical Info:

15

Recommended Treatment:

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

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO: 61183.01 1of 1

Customer: CES Env. Svcs.
Project ID: Enterprise Products
Project Loc: Mt. Belvieu, TX
Charge/P.O.:

Sample ID: Catalyst, Dessicants, Absorbents, Water
Matrix: Sludge
Type: Composite

Environ ID: 61183.01
Sampled: 11-08-06
Received: 11-08-06
Reported: 11-22-06

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
RCI								
Reactive Cyanide	< 50	mg/l	250	50	SW846.7.3.3	LC	11-09-06	15:40
Reactive Sulfide	< 50	mg/l	500	50	SW846.7.3.4	LC	11-09-06	15:15
Corrosivity (Ph)	5.83	su	=>2; =<12.5	--	SW846.9045C	JA	11-08-06	15:30
Ignitability	> 160	°F	> 140	--	SW846.1010	LC	11-09-06	15:75
METALS (RCRA) - TCLP					SW846.1311	MN	11-08-06	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	11-12-06	17:00
Barium	1.46	mg/l	100	0.02	SW846.6010B	JK	11-12-06	17:00
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	JK	11-12-06	17:00
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	11-12-06	17:00
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	11-12-06	17:00
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	11-12-06	17:00
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	JK	11-12-06	17:00
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	11-10-06	05:00
VOC - TCLP (Dilution Factor: 1.0)					SW846.1311	MN	11-08-06	
Benzene	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	11-20-06	13:10
2-Butanone (MEK)	0.090	mg/l	200.0	0.025	SW846.8260B	HDG	11-20-06	13:10
Carbon tetrachloride	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	11-20-06	13:10
Chlorobenzene	< 0.005	mg/l	100	0.005	SW846.8260B	HDG	11-20-06	13:10
Chloroform (Trichloromethan	< 0.005	mg/l	6.0	0.005	SW846.8260B	HDG	11-20-06	13:10
1,2-Dichloroethane (EDC)	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	11-20-06	13:10
1,1-Dichloroethene	< 0.005	mg/l	0.7	0.005	SW846.8260B	HDG	11-20-06	13:10
Tetrachloroethene	< 0.005	mg/l	0.7	0.005	SW846.8260B	HDG	11-20-06	13:10
Trichloroethene	< 0.005	mg/l	0.5	0.005	SW846.8260B	HDG	11-20-06	13:10
Vinyl chloride	< 0.010	mg/l	0.2	0.010	SW846.8260B	HDG	11-20-06	13:10
SVOC - TCLP(Conc. Factor: 200)					SW846.1311	MN	11-08-06	
1,4-Dichlorobenzene	< 0.10	mg/l	7.5	0.10	SW846.8270C	JAC	11-18-06	02:55
2,4-Dinitrotoluene	< 0.10	mg/l	0.13	0.10	SW846.8270C	JAC	11-18-06	02:55
Hexachlorobenzene	< 0.10	mg/l	0.13	0.10	SW846.8270C	JAC	11-18-06	02:55
Hexachlorobutadiene	< 0.10	mg/l	0.50	0.10	SW846.8270C	JAC	11-18-06	02:55
Hexachloroethane	< 0.10	mg/l	3.0	0.10	SW846.8270C	JAC	11-18-06	02:55
2-Methylphenol (o-Cresol)	< 0.10	mg/l	(200)	0.10	SW846.8270C	JAC	11-18-06	02:55
3&4-Methylphenol (m&p-Cre	< 0.10	mg/l	(o+m+p)	0.10	SW846.8270C	JAC	11-18-06	02:55
Nitrobenzene	< 0.10	mg/l	2.0	0.10	SW846.8270C	JAC	11-18-06	02:55
Pentachlorophenol	< 0.50	mg/l	100	0.50	SW846.8270C	JAC	11-18-06	02:55
Pyridine	< 0.40	mg/l	5.0	0.40	SW846.8270C	JAC	11-18-06	02:55
2,4,5-Trichlorophenol	< 0.10	mg/l	400	0.10	SW846.8270C	JAC	11-18-06	02:55
2,4,6-Trichlorophenol	< 0.10	mg/l	2.0	0.10	SW846.8270C	JAC	11-18-06	02:55

QUALITY CONTROL – TCLP VOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
1,2-Dichloroethane-d4 (SS)	0.058	116	76-114
Toluene-d8 (SS)	0.049	98	80-120
4-Bromofluorobenzene (SS)	0.044	88	80-120

QUALITY CONTROL – TCLP SVOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Nitrobenzene-d5	0.032	64	35-114
2-Fluorobiphenyl	0.038	76	43-116
Terphenyl-d14	0.042	84	33-141
Phenol-d5	0.030	30	21-100
2-Fluorophenol	0.017	17	10-100
2,4,6-Tribromophenol	0.038	38	10-123

Definitions:
TCLP - Toxicity Characteric Leaching Procedu - Standard Units
REG - Regulatory Limit (User Should Confirm VOC - Volatile Organic Compounds
MQL - Method Quantitation 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

Baker Concrete 1877
Prof# 1877

EPAHO1110000714

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/7/2006**

Dear **Melissa**

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 # 1877

Generator: Baker Concrete
Address: 5925 Almeda Road
Houston, TX 77004

Waste Information

Name of Waste: Gasoline and water mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Removal of gasoline that spilled from tank into containment walls
Color: brown **Odor:** hydrocarbon **pH:** 3-11
Physical State:
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: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

#1877

SECTION 1: Generator Information

Company:	Baker Concrete		
Address:	5925 Almeda Road		
City, State, Zip:	Houston, TX 77004		
Contact:	Lewis	**Title:**	
Phone No:	713-864-5695	**Fax No:**	
24/hr Phone:	713-864-5695		
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:	Select Environmental		
Address:	223 McCarty Street		
City, State, Zip:	Houston, TX 77029		
Contact:	Melissa	**Title:**	
Phone No:	713-675-7376	**Fax No:**	713-672-4530

SECTION 3: General Description of the Waste

Name of Waste: Gasoline and Water Mixture
Detailed Description of Process Generating Waste: Removal of gasoline that spilled from tank into containment walls

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

Color: Brown **Odor:** Hydrocarbon

Specific Gravity (water=1): .9 **Density:** 7.3 lbs/gal

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

Container Type:	☐	**Drum**	☐	**Tote**	☒	**Truck**	☐ **Other (explain)**
Container Size:		____		____		500 gal	____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Flammable liquids (gasoline and water), n.o.s.,
Class: 3 **UN/NA:** UN1993 **PG:** II **RQ:** N/A

Flash Point <130	**pH** 3-11	**Reactive Sulfides** N/Amg/l	**Reactive Cyanides** N/Amg/l	**Solids** 0-1%
Oil&Grease >1500mg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO111000716

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Gasoline	75-80	%
Water	20-25	%

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 generator knowledge:

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

SECTION 9: Generator's Certification

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

Authorized Signature: N/A - Per Matt Bowman **Date:** November 6, 2006

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert Amyx Date: 11-7-06 (Approved) Rejected Approval Number: 1877	REC

EPAHO111000717

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

EPAHO111000718

(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.

EPAHO111000719

Gulf Stream Marine
Prof # 1878

1878

EPAHO11000720

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/23/2006**

Dear **Larry Guiterrez**

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 # 1878

Generator: Gulf Stream Marine (Industrial Terminal)
Address: 13901 Industrial Road
Houston, TX 77015

Waste Information

Name of Waste: Oily water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Oily water from various operations (cleaning equipment and machinery)
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
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

1878

SECTION 1: Generator Information

Company:	Gulfstream Marine		
Address:	13901 Industrial Road		
City, State, Zip:	Houston, TX 77015		
Contact:	Larry Gutierez	**Title:**	
Phone No:	(713) 816-3052	**Fax No:**	
24/hr Phone:			
U.S. EPA I.D. No:	N/A		
State I.D.	N/A	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
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 various operations (cleaning equipment and machinery)

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

Color: Dark **Odor:** Hydrocarbon

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

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☒	**Drum**	☒	**Tote**	☐ **Truck**	☐	**Other (explain)**
Container Size:		55		400	____		____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 5 **Other:** ____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Non DOT regulated material
Class: Na **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point >200	**pH** 3-11	**Reactive Sulfides** N/Amg/l	**Reactive Cyanides** N/Amg/l	**Solids** 0-2%
Oil&Grease N/Amg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO111000722

SECTION 4: Physical and Chemical Data

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

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 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: Larry Guiterez **Date:** October 23, 2006

Printed Name/Title: Larry Guiterez

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Taylor Additional Information: _____

Date: 10-23-06 Approved Rejected REC

Approval Number: 1878

EPAHO111000723

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

EPAHO111000724

(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.

EPAHO111000725

Gulf Stream Marine
Prot # 1879

1879

EPAHO111000726

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/23/2006**

Dear **Larry Guiterrez**

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 # 1879

Generator: Gulf Stream Marine (Industrial Terminal)
Address: 13901 Industrial Road
Houston, TX 77015

Waste Information

Name of Waste: Empty containers
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Empty containers which are damaged and cracked (drums and totes)
Color: varies **Odor:** none **pH:** na
Physical State:
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.

#1879

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:	Gulfstream Marine		
Address:	13901 Industrial Road		
City, State, Zip:	Houston, TX 77015		
Contact:	Larry Gutierez	**Title:**	
Phone No:	(713) 816-3052	**Fax No:**	
24/hr Phone:			
U.S. EPA I.D. No:	N/A		
State I.D.	N/A	**SIC Code:**	

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Empty Containers
Detailed Description of Process Generating Waste: Empty containers which are damaged and cracked (drums and totes)

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		400	____		____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 5 **Other:** ____
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Non DOT regulated material
Class: ____ **UN/NA:** ____ **PG:** ____ **RQ:** ____

Flash Point N/A	**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

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty drums and totes	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 Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: Larry Guiterez **Date:** October 23, 2006

Printed Name/Title: Larry Guiterez

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhu R Thyagarajan Additional Information: REC

Date: 10-23-06 (Approved) Rejected

Approval Number: 1879

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

EPAHO111000730

(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.

EPAHO111000731

1880 OXID, L.P.
Prof# 1880

EPAHO1111000732

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **3/20/2007**

Dear **Jeff Ritcheson**

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 # 1880

Generator: Oxid , L.P.
Address: 101 Concrete St.
Houston, TX 77012

Waste Information

Name of Waste: Non-hazardous waste water tank-106
TCEQ Waste Code #: 00011011
Container Type:
Detailed Description of Process Generating Waste:
Rain water collected from plant and plant processing areas.
Color: clear to yellow **Odor:** mild **pH:** 2-6/10.5
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
Level DS 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 : Oxid , L.P.
Address : 101 Concrete St. 101 Concrete St.
City, State, Zip : Houston TX 77012
Contact : Jeff Ritcheson **Title :**
Phone No : (713) 923-9136 **Fax :**
24 / HR Phone :
U.S EPA I.D No : TXD000803411
State I.D : 31613 **SIC Code** 2899

SECTION 2: Billing Information

Company : Oxid , L.P.
Address : 101 Concrete St. 101 Concrete St.
City, State, Zip : Houston TX 77012
Contact : Jeff Ritcheson **Title :**
Phone No : (713) 923-9136 **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Non-hazardous waste water tank-106

Detailed Description of Process Generating Waste:

Rain water collected from plant and plant processing areas.

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

Color : clear to yellow **Odor :** mild

Specific Gravity (Water=1) : 1-1.1 **Density :** 8-9 lbs / gal

Layers : ☑ Single-Phas ☐ Multi-Phase

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

Container Size :

Number Of Units : 20

Texas State Waste Code No : 00011011

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

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	2-~~8~~10.5	0 mg/l	0 mg/l	0-10 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
<50 mg/l	<5000 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO111000734

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	85-99	%
Glycols	0-15	%
sand grit	0-10	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

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

TCLP Metals :

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 :** 10/30/2006

Printed Name / Title : ~~Jeff Ritcheson /~~ HSE

CES USE ONLY (DO NOT WRITE IN THIS SPACE) **Special Pricing / Analytical Info:**

Compliance Officer : Prabhakar Thangudu

Date : 11/2/2006 **Status :** Approved Rejected **Recommended Treatment:**

Approval Number : 1880

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

EPAHO111000736

(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.

EPAHO111000737

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **3/20/2007**

Dear **Jeff Ritcheson**

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 # 1892

Generator: Oxid , L.P.
Address: 101 Concrete St.
Houston, TX 77012

Waste Information

Name of Waste: Non-hazardous waste water tank-19
TCEQ Waste Code #: 00011011
Container Type:
Detailed Description of Process Generating Waste:
Mostly rain water collected from plant and plant processing areas. This water is usually discharged to the city of Houston by Oxid.
Color: clear to yellow **Odor:** mild **pH:** ~~2-6~~ 2-10.5
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 : Oxid , L.P.
Address : 101 Concrete St. 101 Concrete St.
City, State, Zip : Houston TX 77012
Contact : Jeff Ritcheson **Title :**
Phone No : (713) 923-9136 **Fax :**
24 / HR Phone :
U.S EPA I.D No : TXD000803411
State I.D : 31613 **SIC Code** 2899

SECTION 2: Billing Information

Company : Oxid , L.P.
Address : 101 Concrete St. 101 Concrete St.
City, State, Zip : Houston TX 77012
Contact : Jeff Ritcheson **Title :**
Phone No : (713) 923-9136 **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Non-hazardous waste water tank-19

Detailed Description of Process Generating Waste:

Mostly rain water collected from plant and plant processing areas. This water is usually discharged to the city of Houston by Oxid.

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

Color : clear to yellow **Odor :** mild

Specific Gravity (Water=1) : 1-1.1 **Density :** 8-9 lbs / gal

Layers : ☑ Single-Phas ☐ Multi-Phase

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

Container Size :

Number Of Units : 20

Texas State Waste Code No : 00011011

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

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	2-6/8.5	0 mg/l	0 mg/l	0-10 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
<50 mg/l	<5000 mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO111000739

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
rain water	85-99	%
glycols	0-10	%
sand and grit	0-10	%
1-4 Dioxan	0-3	%

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 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 :** ~~11/2/2006~~ 11/22/2006

Printed Name / Title : Jeff Ritcheson / HSE

CES USE ONLY (DO NOT WRITE IN THIS SPACE)				Special Pricing / Analytical Info:
Compliance Officer :	Prabhakar Thangudu			
Date :	11/2/2006	**Status :**	Approved Rejected	**Recommended Treatment:**
Approval Number :	1892			

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

EPAHO111000741

(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.

EPAHO111000742

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **3/20/2007**

Dear **Jeff Ritcheson**

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 # 1789

Generator: Oxid , L.P.
Address: 101 Concrete St.
Houston, TX 77012

Waste Information

Name of Waste: Non-hazardous process wastewater
TCEQ Waste Code #: 00011011
Container Type: Bulk liquid
Detailed Description of Process Generating Waste:
Low TOC, low metals process wastewater. Will contain glycols, methanol and some solids. Water comes from flushing out product columns from processing ployester polyo Methanol comes from the breakdown of the glycols used in the process.
Color: clear to yeloow **Odor:** yesq **pH:** 2-~~8~~10.5 JV
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
Splash protection (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 :	Oxid , L.P.		
Address :	101 Concrete St. 101 Concrete St.		
City, State, Zip :	Houston TX 77012		
Contact :	Jeff Ritcheson	**Title :**	HSE Mgr
Phone No :	(713) 923-9136	**Fax :**	
24 / HR Phone :			
U.S EPA I.D No :	TXD000803411		
State I.D :	31613	**SIC Code**	2899

SECTION 2: Billing Information

Company :	Oxid , L.P.		
Address :	101 Concrete St. 101 Concrete St.		
City, State, Zip :	Houston TX 77012		
Contact :	Jeff Ritcheson	**Title :**	HSE Mgr
Phone No :	(713) 923-9136	**Fax :**	

SECTION 3: General Description of the Waste

Name of Waste : Non-hazardous process wastewater

Detailed Description of Process Generating Waste:

Low TOC, low metals process wastewater. Will contain glycols, methanol and some solids. Water comes from flushing out product columns from processing ployester polyols. Methanol comes from the breakdown of the glycols used in the process.

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

Color : clear to yeloow **Odor :** yesq

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

Layers : ☑ Single-Phas ☐ Multi-Phase

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

Container Size :

Number Of Units : 4

Texas State Waste Code No : 00011011

Proper U.S. State Waste Code No : Non-Regulated, Non-Hazardous Class 1 Wastewater

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
<140	2-10,5	0 mg/l	0 mg/l	0-10 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
<50 mg/l	Varies mg/l	0 mg/l	0 mg/l	0 mg/l

EPAHO111000744

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	85-100	%
Diethylene glycol	0-20	%
Methanol	0-10	%
Solids	0-10	%
1,4-Dioxane	0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Splash protection (PPE)

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

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

TCLP Metals : 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 : [signature] **Date :** 9/1/2006

Printed Name / Title : JAMES WOODARD ~~Jeff Ritcheson~~ / HSE Mgr

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer : Prabhakar Thangudu	
Date : 9/1/2006 **Status :** Approved Rejected	**Recommended Treatment:**
Approval Number : 1789	

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

EPAHO111000746

(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.

EPAHO111000747

LABORATORY ANALYSIS REPORT

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

Report Date: 10/23/2006
Total No. Pages: 6

Client Project ID

Tank 106

Oxid L.P.
Attn: Jeff Ritcheson
101 Concrete St.
Houston, TX 77012

Client PO #: 0602357
Date Received: 10/17/2006 10:23
Collected by: Jeff Ritcheson

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

Your Sample ID	Job ID
Tank 106	85025-01

Thank you for choosing A & B Labs.

Approved By: Jennifer Bishop Date: 10/23/2006

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.

LABORATORY TEST RESULTS

A&B Job ID 85025

Date: 10/23/2006

CUSTOMER: Oxid L.P. | PROJECT: Tank 106 | ATTN: Jeff Ritcheson

Customer Sample ID: Tank 106
Date Collected: 10/17/2006
Time Collected:
Sample Loc./Other Info:

Job Sample ID: 85025-01
Sample Matrix: Water

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date	Time	Analyst
SW-846 7.3	**Reactivity**									
	Reactive Cyanide	BRL	mg/L	1	25			10/20	15:00	KS
	Reactive Sulfide	BRL	mg/L	1	25			10/19	15:30	KS
SW-846 1010	**Ignitability**									
	Ignitability	>150	°F	1				10/20	9:45	KS
SW-846 9040C	**Corrosivity**									
	pH	4.85	pH units	1				10/18	12:30	KS
SW-846 6010B	**TCLP Metals**									
	Arsenic	BRL	mg/L	1	0.1	1.8		10/19	12:15	SEC
	Barium	BRL	mg/L	1	0.1	100		10/19	12:15	SEC
	Cadmium	BRL	mg/L	1	0.1	0.5		10/19	12:15	SEC
	Chromium	BRL	mg/L	1	0.1	5		10/19	12:15	SEC
	Lead	BRL	mg/L	1	0.1	1.5		10/19	12:15	SEC
	Selenium	BRL	mg/L	1	0.5	1		10/19	12:15	SEC
	Silver	BRL	mg/L	1	0.1	5		10/19	12:15	SEC
SW-846 7470A	**TCLP Mercury**									
	Mercury	BRL	mg/L	1	0.002	0.2		10/19	12:50	SEC

** BRL - Below Reporting Limit

EPAHO111000749

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

QUALITY CONTROL CERTIFICATE

Report Date: 10/23/2006

Job ID: 85025

QCType: Duplicate Paramter	Method	QCSapl Result	Dup Result	RPD	RPD CLimits					QCBatchID	QC SampleID	Qual.
Reactive Sulfide	SW-846 7.3	630	640	1.6	<20					Q101906RSulf	85009-01	
Reactive Cyanide	SW-846 7.3	BRL	BRL	0	<20					Q102006RCyn	85010-01	
Ignitability	SW-846 1010	>150	>150	0	<20					Q102006Flash	85025-01	
pH	EPA 150.1	8.14	8.14	0	<20					Q101806pH	85020-01	

QCType: LCS and LCSD Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID		Qual
Reactive Sulfide	SW-846 7.3		1000	920	960	92	96	4.3	<20	40-110	Q101906RSulf		
Reactive Cyanide	SW-846 7.3		0.5	0.25	0.26	50	52	3.9	<20	40-120	Q102006RCyn		
Ignitability	SW-846 1010		83	87	85	105	102	2.3	<20	75-125	Q102006Flash		
pH	EPA 150.1		4	3.97		99.3			<20	80-120	Q101806pH		
Arsenic	SW-846 6010B		1	0.99	0.94	99	94	5.2	<25	80-120	Q101906mt		
Barium	SW-846 6010B		1	0.94	0.89	94	89	5.5	<25	80-120	Q101906mt		
Cadmium	SW-846 6010B		1	1.00	0.95	100	95	5.1	<25	80-120	Q101906mt		
Chromium	SW-846 6010B		1	0.96	0.91	96	91	5.3	<25	80-120	Q101906mt		
Lead	SW-846 6010B		1	0.94	0.89	94	89	5.5	<25	80-120	Q101906mt		
Selenium	SW-846 6010B		1	1.01	0.97	101	97	4.0	<25	80-120	Q101906mt		
Silver	SW-846 6010B		1	0.92	0.87	92	87	5.6	<25	80-120	Q101906mt		
Mercury	SW-846 7470A		0.005	0.0053		106			<35	71-143	Q101906hgt		

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	1.89	1.92	95	96	1.6	<30	45-138	Q101906mt	85016-01	

** BRL-Below Reporting Limit

EPAHO111000750

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

QUALITY CONTROL CERTIFICATE

Report Date: 10/23/2006

Job ID: 85025

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
Barium	SW-846 6010B	0.15	2	1.93	1.94	89	90	0.6	<25	39-135	Q101906mt	85016-01	
Cadmium	SW-846 6010B	BRL	2	1.93	1.94	97	97	0.5	<25	56-125	Q101906mt	85016-01	
Chromium	SW-846 6010B	2.13	2	3.75	3.77	81	82	1.2	<25	52-125	Q101906mt	85016-01	
Lead	SW-846 6010B	BRL	2	1.77	1.78	89	89	0.6	<25	55-125	Q101906mt	85016-01	
Selenium	SW-846 6010B	BRL	2	0.45	0.45	23	23	0.0	<25	18-137	Q101906mt	85016-01	
Silver	SW-846 6010B	BRL	2	1.83	1.82	92	91	0.5	<25	26-148	Q101906mt	85016-01	
Mercury	SW-846 7470A	BRL	0.005	0.0051	0.0052	102	104	1.9	<35	61-175	Q101906hgt	85049-01	

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Reactive Sulfide	SW-846 7.3		BRL	mg/L	1	25	Q101906RSulf	Reactivity	
Reactive Cyanide	SW-846 7.3		BRL	mg/L	1	25	Q102006RCyn	Reactivity	
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1	0.1	Q101906mt	TCLP Metals	
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q101906mt	TCLP Metals	
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q101906mt	TCLP Metals	
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q101906mt	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q101906mt	TCLP Metals	
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q101906mt	TCLP Metals	
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q101906mt	TCLP Metals	
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q101906hgt	TCLP Mercury	

** BRL-Below Reporting Limit

EPAHO111000751

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: 85025

5. Project #:

1. REPORT TO:
Company: Oxid L.P.
Address: 101 Concrete Street
Houston, TX 77012
Contact: Jeff Ritchesun
Phone: 713-924-6446
Fax: ☐
E-mail: ☑ JRitchesun@oxid.net

2. INVOICE TO:
Company:
Address: SAME
Contact:
Phone:
Fax: ☐
E-mail: ☐

3. PO#: 0602357

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

6. Project Name / Location: Tank 106

7. Special Instructions (PLEASE PRINT)
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached

8. Sampler's Name & Company (PLEASE PRINT): Jeff Ritchesun/Oxid L.P.
Sampler's Signature & Date: 10-17-06

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 (RCRA 8 metals)	RCI	17. REMARKS
01	1	Tank 106	10-17-06	4pm		X	X						1	X	X			
	2																	
	3																	
	4																	
	5																	
	6																	
	7																	
	8																	
	9																	
	10																	

18. RELINQUISHED BY	DATE	TIME	19. RECEIVED BY	DATE	TIME
1 Jeff Ritchesun	10-17-06	9:10	Kenson S. Zabak	10/17/06	0910
2 Kenson S. Zabak	10/17/06	1023	Katherine Roessler	10/17/06	1023
3					

20. KNOWN HAZARDS / COMMENTS

*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

EPAHO111000752

Sample Condition Checklist

Date : 10/17/2006

A&B JobID : 85025	Date Received : 10/17/2006	Time Received : 10:23 AM
Client Name : Oxid L.P.		
Temperature : 6°C	Sample pH : N/A	

	Check Points	Yes	No
1.	Cooler seal present and signed.		X
2.	Sample(s) in a cooler.	X	
3.	If yes, ice in cooler.	X	
4.	Sample(s) received with chain-of-custody.	X	
5.	C-O-C signed and dated.	X	
6.	Sample(s) received with signed sample custody seal.		X
7.	Sample containers arrived intact. (If no comment).	X	
8.	Matrix : Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐		
9.	Sample were received in appropriate container(s).	X	
10.	All samples were logged or labeled.	X	
11.	Sample ID labels match C-O-C ID's	X	
12.	Bottle count on C-O-C matches bottles found.	X	
13.	Sample volume is sufficient for analyses requested.	X	
14.	Samples were received within the hold time.	X	
15.	VOA vials completely filled.	N/A	
16.	Sample accepted.	X	

Comments : Include actions taken to resolve discrepancies/problem:

Received by : kroessler

Check in by/date : kroessler / 10/17/2006

Replace in Disposal facility

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **11/2/2006**

Dear **Carol Brubaker**

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 # 1880

Generator: Oxid , L.P.
Address: 101 Concrete St.
Houston, TX 77021

Waste Information

Name of Waste: Non-hazardous waste water tank-106
TCEQ Waste Code #: 00011011
Container Type:
Detailed Description of Process Generating Waste:
Rain water collected from plant and plant processing areas.
Color: clear to yellow **Odor:** mild **pH:** 2-6
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
Level DS 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.

Tank 106 DB

#1880

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:	Oxid L.P.		
Address:	101 Concrete Street		
City, State, Zip:	Houston, TX 77012		
Contact:	Jeff Richeson	**Title:**	HSE Manager
Phone No:	713-924-6446	**Fax No:**	713-924-6418
24/hr Phone:	713-924-6446		
U.S. EPA I.D. No:	TXD000803411		
State I.D.	31613	**SIC Code:**	2899

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 tank 106
Detailed Description of Process Generating Waste: Rain water collected from plant and plant processing areas.

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

Color: Clear to Yellow **Odor:** Mild Organic

Specific Gravity (water=1): 1-1.1 **Density:** 8-9 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): 1-20 loads Week **Other:**
Texas State Waste Code No: 00011011
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Water
Class: NA **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point >140	**pH** 2-6	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0-10%
Oil&Grease <50mg/l	**TOC** <5000mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

EPAHO111000756

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	85-99	%
Glycols	0-15	%
Sand and Grit	0-10	%
1-4 Dioxan	0-3	%

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: ____
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: Jeff Ritcheson **Date:** 10/30/06

Printed Name/Title: Jeff Ritcheson/HSE

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: Robert R Hayes Date: 11-2-06 Approved Rejected Approval Number: 1880	IL

EPAHO111000757

Niacet Corporation 1881
Prof # 1881

EPAHO11100758

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/24/2006**

Dear **Mathew Watt**

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 # 1881

Generator: Niacet Corporation
Address: Niagara Falls Blvd., & 47th St.
Niagara Falls, NY 14304

Waste Information

Name of Waste: Non-hazardous wastewater
TCEQ Waste Code #: OUTS1051
Container Type:
Detailed Description of Process Generating Waste:
Cleaning of trailer previously containing monochloroacetic acid.
Color: varies **Odor:** slight **pH:** 3-11
Physical State:
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 Customer: NGC

CES Environmental Services, Inc.

Attn: Ryan Thomas

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

1881

SECTION 1: Generator Information

Company:	Niacet Corporation		
Address:	Niagara Falls Blvd. & 47th St.		
City, State, Zip:	Niagra Falls, NY 14304		
Contact:	MATHEW WATT	**Title:**	PRODUCTION MGR.
Phone No:	716-285-1474	**Fax No:**	716-285-1497
24/hr Phone:	716-285-1474 x 141		
U.S. EPA I.D. No:	NYD088419890 (Not Applicable)		
State I.D.	~~D0096~~ CES06	**SIC Code:**	2869

SECTION 2: Billing Information – ☒ Same as Above

Company:	~~NGC~~		
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: cleaning of trailer previously containing monochloroacetic acid.

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

Color: Varies **Odor:** Slight

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

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☐ Drum	☐ Tote	☒ Truck	☐ Other (explain)
Container Size:	____	____	5000	____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: OUTS1051
Proper U.S. DOT Shipping Name: Non-RCRA/Non DOT regulated wastewater
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	<20mg/l	<20mg/l	0-1%

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

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	99-99.5	%
Monochloroacetic acid	0.05-0.5	%
Sodium Bicarbonate	0.05-0.5	%

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 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:** 10-19-06

Printed Name/Title: Salvatore J D'Angelo
Manager QA/Regulatory Affairs

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	**Process Facility Information:**
Compliance Officer: _____ Date: 10-24-06 Approved Rejected Approval Number: 1881	IL

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

If 'Yes', complete this section.

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

Metals Subcategory: Subpart A

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

Oils Subcategory: Subpart B

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

Organics Subcategory: Subpart C

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

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

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations i 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, c per, 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 thes concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

1882 Shaw Cdz Pipe Protection
Prof # 1882

EPAHO111000764

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/24/2006**

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 # 1882

Generator: Shawcor Pipe Protection
Address: 4501 Knapp Road
Pearland, TX 77581

Waste Information

Name of Waste: Non-regulated TPH contaminated soil
TCEQ Waste Code #: 00093191
Container Type:
Detailed Description of Process Generating Waste:
TPH contaminated soil from a PCB free transformer oil spill
Color: brown to black **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: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

#1882

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) 458-2657	**Fax No:**	2814852657
24/hr Phone:	(713) 922-5022		
U.S. EPA I.D. No:	TXT490013562		
State I.D.	32925	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Non-Regulated TPH Contaminated Soil
Detailed Description of Process Generating Waste: TPH contaminated soil from a PCB free transformer oil spill

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

Color: Brown to Black **Odor:** None

Specific Gravity (water=1): 1-2 **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): 1-50 **Other:** ____
Texas State Waste Code No: 00093191
Proper U.S. DOT Shipping Name: Non-RCRA Waste TPH Contaminated Soil
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	NA	0mg/l	0mg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
0mg/l	NAmg/l	NAmg/l	NAmg/l	NAmg/l

EPAHO111000766

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Soil	90-100	%
PCB Free Transformer Oil	0-10	%

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: Angela Molis Date: 10/23/06

Printed Name/Title: Angela Molis. HSE Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Hayward Additional Information: 15

Date: 10-24-06 Approved / Rejected

Approval Number: 1882

Oct 23 06 05:31p Carmen Magana 281-485-2657 p.1

EPAHO111000767

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

EPAHO111000768

(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.

EPAHO111000769

LABORATORY ANALYSIS REPORT

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

Report Date: 10/23/2006
Total No. Pages: 6

Client Project ID
PCB-Pearland

E & I H Services
Attn: Dr. Sudhir Desai
911 Epperson Way
Sugarland, TX 77479

Client PO #:
Date Received: 10/20/2006 9:00
Collected by: Sudhir Desai

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

Your Sample ID	Job ID
Sh-Per-101906-Bulk-01/Yard	85148-01

Thank you for choosing A & B Labs.

Approved By: Jennifer Bishop Date: 10/23/2006

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.

LABORATORY TEST RESULTS

A&B Job ID 85148 — Date: 10/23/2006

CUSTOMER: E & I H Services — PROJECT: PCB-Pearland — ATTN: Dr. Sudhir Desai

Customer Sample ID: Sh-Per-101906-Bulk-01/Yard
Date Collected: 10/19/2006
Time Collected:
Sample Loc./Other Info:

Job Sample ID: 85148-01
Sample Matrix: Oil

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8082	**Polychlorinated Biphenyls (PCBs)**								
	Aroclor - 1016	BRL	mg/Kg	1	1			10/23 12:14	ML
	Aroclor - 1221	BRL	mg/Kg	1	2			10/23 12:14	ML
	Aroclor - 1232	BRL	mg/Kg	1	1			10/23 12:14	ML
	Aroclor - 1242	BRL	mg/Kg	1	1			10/23 12:14	ML
	Aroclor - 1248	BRL	mg/Kg	1	1			10/23 12:14	ML
	Aroclor - 1254	BRL	mg/Kg	1	1			10/23 12:14	ML
	Aroclor - 1260	BRL	mg/Kg	1	1			10/23 12:14	ML

** BRL - Below Reporting Limit

EPAHO111000771

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

SAMPLE SURROGATE RECOVERY REPORT

Report Date: 10/23/2006

Job ID: 85148

Parameter	Method	CAS #	Spike Added	Spike Result	D.F.	%Rec	% Rec CLIMIT	Analysis DateTime	Analyst	Lab ID	Q
Tetrachloro-m-xylene (Surrogate)	SW-846 8082	877-09-8	100	71	1	71	12-106	10/23/06 12:14	MLI	85148-01	
Decachlorobiphenyl (Surrogate)	SW-846 8082	2051-24-3	100	83	1	83	27-105			85148-01	

EPAHO111000772

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

QUALITY CONTROL CERTIFICATE

Report Date: 10/23/2006

Job ID: 85148

QCType: LCS and LCSD

Parameter	Method		Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID		Qual
Aroclor - 1016	SW-846 8082		1	1.073	1.052	107	105	2.0	<35	59-113	Q102006PCB		
Aroclor - 1260	SW-846 8082		1	1.115	1.105	112	111	0.9	<35	53-121	Q102006PCB		

QCType: Method Blank

Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Aroclor - 1016	SW-846 8082	12674-11-2	BRL	mg/Kg	1	1	Q102006PCB	Polychlorinated Biphenyls (PCBs)	
Aroclor - 1221	SW-846 8082	11104-28-2	BRL	mg/Kg	1	2	Q102006PCB	Polychlorinated Biphenyls (PCBs)	
Aroclor - 1232	SW-846 8082	11141-16-5	BRL	mg/Kg	1	1	Q102006PCB	Polychlorinated Biphenyls (PCBs)	
Aroclor - 1242	SW-846 8082	53469-21-9	BRL	mg/Kg	1	1	Q102006PCB	Polychlorinated Biphenyls (PCBs)	
Aroclor - 1248	SW-846 8082	12672-29-6	BRL	mg/Kg	1	1	Q102006PCB	Polychlorinated Biphenyls (PCBs)	
Aroclor - 1254	SW-846 8082	11097-69-1	BRL	mg/Kg	1	1	Q102006PCB	Polychlorinated Biphenyls (PCBs)	
Aroclor - 1260	SW-846 8082	11096-82-5	BRL	mg/Kg	1	1	Q102006PCB	Polychlorinated Biphenyls (PCBs)	

** BRL-Below Reporting Limit

EPAHO111000773

85148

Chain of Custody for Industrial Hygiene Samples
Date: 10/19/06

Company Name:	**E & IH Services**
Address:	**911 Epperson Way** **Sugar Land, Texas 77479**
Phone/Fax:	**(281)-491-5458**
Cell:	**(832)-549-9969**
Email:	**sdesai1485@aol.com**
Contact:	**Dr. Sudhir Desai via Cell**
Project Name:	**PCB-Pearland**
Samples Collected by:	**Sudhir Desai**
Date submitted:	**10/19/06**
Received by:	Katherine Rucker 10/20/06 9:00am
Special Instruction:	**None**
Analyzed for:	**See the table**
Report Results:	**Email**
Turn around:	**Standard**

Date	Sample ID	Location	Analysis Information	Note:
10/19/06	Sh-Per-101906-Bulk-01	Yard	Total PCB	RUSH Analysis

01

Note: Please analyze this sample for Total PCB on Rush basis and contact Dr. Sudhir R. Desai via cell and send results by email.

10/19 18:30 R L Vinal

R L Vinal 10/20/06 8:40

Lane Voorhies

From: SDesai1485@aol.com
Sent: Thursday, October 19, 2006 8:24 PM
To: lane@ablabs.com
Subject: Re: COC - Pearland - Total PCB

Lane,

Please analyze the bulk liquid sample for Total PCB on Rush basis and call me at my cell for results.

Sudhir Desai, Ph.D., CIH, CIAQC, RSO
E & IH Services
911 Epperson Way
Sugar Land, Texas 77479
Office (Phone/Fax) 281-491-5458
Cell: 832-549-9969

EPAHO111000775

Sample Condition Checklist

Date : 10/23/2006

A&B JobID : 85148	Date Received : 10/20/2006	Time Received : 09:00 AM
Client Name : E & IH Services		
Temperature : 8°C	Sample pH : N/A	

	Check Points	Yes	No
1.	Cooler seal present and signed.		X
2.	Sample(s) in a cooler.	X	
3.	If yes, ice in cooler.	X	
4.	Sample(s) received with chain-of-custody.	X	
5.	C-O-C signed and dated.	X	
6.	Sample(s) received with signed sample custody seal.		X
7.	Sample containers arrived intact. (If no comment).	X	
8.	Matrix : Water ☐ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☑		
9.	Sample were received in appropriate container(s).	X	
10.	All samples were logged or labeled.	X	
11.	Sample ID labels match C-O-C ID's	X	
12.	Bottle count on C-O-C matches bottles found.	X	
13.	Sample volume is sufficient for analyses requested.	X	
14.	Samples were received within the hold time.	X	
15.	VOA vials completely filled.	N/A	
16.	Sample accepted.	X	

Comments : Include actions taken to resolve discrepancies/problem:

Sample cooling was initiated in the field. Other matrix = Oil

Received by : kroessler

Check in by/date : kroessler / 10/20/2006

Nova molecular 1883
Prof# 1883

EPAHO111000777

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/24/2006**

Dear **Kris Sturgul or Mike Breaux or A**

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 # 1883

Generator: Nova Molecular
Address: 10200 Bay Area Blvd
Pasadena, TX 77507

Waste Information

Name of Waste: NRD bottoms
TCEQ Waste Code #: 82642191
Container Type:
Detailed Description of Process Generating Waste:
By-product from the production of dibutylhexadiamine
Color: brown **Odor:** amine like **pH:** 9-11
Physical State:
Incompatibilities: oxidizers, acids
Safety Related Data/Special Handling:
Level C

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. GM # 1883

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:	Nova Molecular		
Address:	10200 Bay Area Blvd.		
City, State, Zip:	Pasadena, TX 77507		
Contact:	Kris Sturgul	**Title:**	Manager
Phone No:	281-474-5550	**Fax No:**	281-474-1919
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD988028159		
State I.D.	20017	**SIC Code:**	2869

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: NRD Bottoms
Detailed Description of Process Generating Waste: By-Product from the production of dibutylhexanediamene

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

Color: brown **Odor:** amine like

Specific Gravity (water=1): .86 **Density:** 8 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): 20 **Other:**
Texas State Waste Code No: 8a64a191
Proper U.S. DOT Shipping Name: Corrosive liquids, n.o.s., 8, UN 1760, PG-III
Class: 8 **UN/NA:** UN 1760 **PG:** III **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	9.0-11.0	0mg/l	0mg/l	0%

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

EPAHO111000779

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
dibutyl hexanediamine	0-10	%
tributyl hexanediamine	20-60	%
tetrabutyl hexanediamine	30-70	%
Monobutylhexanediamine	0-5	%
Alkyldiamine Oligamers	20-50	%

SECTION 5: Safety Related Data

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

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, CES Evaluation Report

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers, 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: Kris Sturgul **Date:** 10/19/06

Printed Name/Title: Kris Sturgul, Business Services Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Barbara Thompson Additional Information:

Date: 10-20-06 Approved Rejected OL

Approval Number: 1883

EPAHO111000780

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.

EPAHO111000782

CES Environmental Services, Inc.

Sample Evaluation Form

Sample ID # 00043 **Date** 10 / 7 / 06

Please Complete This Section

Generator / Customer Name :	Nova Molecular
Name or Type of Waste :	NRD Bottoms - Alkaline material + DOT corrosive
Process Generating Waste :	By Product
Number of Samples :	1 **Submitted By :** Gary
Analysis To Be Completed :	Treatment / Pricing Evaluation
Turnaround Time :	ASAP
Other :	MSDS Included in Box

(Lab Use Only)

Sample Results : 584 ppm ; PASSED CHLOR-D-TECT PH 10.4

Suggested Method of Treatment : RECYCLABLE DRUMS

* **Suggested Price Range :** $45 /DRUM

Sample Results Reported to GB

Test Completed By : AC **Date :** 10 / 10 / 06 **Time:** 9:00 AM

White - CES Salesperson Copy Pink - Processing Facility Copy

MATERIAL SAFETY DATA SHEET
NOVA MOLECULAR TECHNOLOGIES, INC.

1 Parker Place, Suite 725, Janesville, WI 53545
800-445-6682 FAX 608-754-6878

Section I... PRODUCT IDENTIFICATION & EMERGENCY

INFORMATION

PRODUCT NAME
NRD Bottoms (R&D)

CHEMICAL NAME
Dibutyl, tributyl, and tetrabutyl Hexanediamine

CHEMICAL FAMILY
Aliphatic amine

PRODUCT APPEARANCE
Clear amber-brown liquid at 25°C

Section II HAZARDOUS COMPONENTS OF MIXTURES

Component	CAS NO.	%	TLV
dibutyl hexanediamine	4835-11-4	0-10	
tributyl hexanediamine	1862-15-3	20-60	
tetrabutyl hexanediamine	27090-63-7	30-70	

Section III HEALTH INFORMATION AND PROTECTION

FIRST AID & NATURE OF HAZARD

Eye Contact: Flush immediately under running water. If irritation appears, get prompt medical attention. PHYSICIAN NOTE: Wash with boric acid solution.

Skin Contact: Wash skin with soap and water. Continue flushing with plenty of water. Remove contaminated clothing immediately and launder before re-use. If skin irritation occurs, get prompt medical attention. PHYSICIAN NOTE: Do NOT use creams such as Silver sulfadiazine. Wash with vinegar. Apply cortisone cream.

Ingestion: Do not induce vomiting. See a Physician immediately.

Inhalation: Breathe fresh air. Give artificial respiration if required. Give oxygen if breathing is difficult.

NOTE TO PHYSICIAN:

Toxicological tests of analogous compounds gives results of 300-1200 mg/kg for Rabbit oral LD50, about 100-500 mg/kg for Rabbit Acute Dermal. Analogous compounds are Corrosive in Primary Skin and Eye Irritation testing.

PERSONAL PROTECTION EQUIPMENT

USE SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES FOR EYE PROTECTION WHEN HANDLING NRD Bottoms(R&D). USE BUTYL OR NEOPRENE RUBBER GLOVES, SUITS, COVERALLS, OR BOOTS AS NECESSARY TO PREVENT SKIN CONTACT. USE FULL FACE ORGANIC VAPOR CARTRIDGE RESPIRATOR AS NECESSARY TO PREVENT INHALATION.

EMERGENCY TELEPHONE NUMBERS: 281-474-5550 or 800-445-6682

Section IV FIRE & EXPLOSION HAZARD

General Hazard: Corrosive to skin and eyes.
Flash Point (°F): Not determined, estimated to be over 300°F.
Flammability limits in air: Unknown
Extinguishing media: Water:YES Alcohol Foam:YES CO2: YES Dry Chemical: YES
Special Fire Fighting Procedures: Keep personnel upwind and removed from fire. Wear self-contained breathing apparatus. wear full protective equipment. Hose with water from a distance to prevent splashing on personnel.
Unusual Fire and Explosion Hazards: SKIN AND EYE TOXICITY
Hazardous Combustion Products: Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

Section V SPILL CONTROL PROCEDURE

Steps to be taken in case of spill:
Contain spill. Spills should be collected as liquid or absorbed. Clean up may be accomplished by flushing with water if collectible or by removal of contaminated soils. Neutralization to pH 7 with acetic or other acids should be done. Place in appropriate containers.

Waste disposal information:
Small quantities may be treated in aerobic hazardous wastewater treatment systems, after neutralization to pH 7 with acid. Larger quantities may be incinerated or landfilled after solidification in permitted systems. Do not discharge to treatment plants or waters without proper approval.

RCRA Hazardous waste(40CFR261): YES RCRA # D-002
CERCLA Hazardous Substance (49 CFR CERCLA list): NO
CERCLA Reportable Quantity: NONE

Section VI TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Boiling Point (°C): Range 200-400°C @ 760mm Hg
Vapor Pressure: 1 mm Hg @ 25°C estimated
Vapor Density (Air = 1): Not Available
Solubility in Water: Slightly soluble at 25°C
Appearance and Odor: Clear yellow-brown liquid with amine odor at 25°C
Specific Gravity: 0.86 typical
Percent Volatile (By Weight):
Evaporation Rate: Not Available
pH (1% in Water): 12
Viscosity at 25°C: 80 poise estimated

Section VII REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Strong oxidizing agents, strong acids.
Hazardous Polymerization: Will not occur.
Incompatibility:
Hazardous Decomposition Products: Thermal decomposition may produce NO x.

Section VIII OTHER REGULATORY INFORMATION

TSCA: NRD Bottoms (R&D) is not registered under the regulations of the Toxic Substance Control Act.
SARA TITLE III: This product does not contain any Section 313 reportable ingredients.
CLEAN WATER ACT: This product contains no known priority pollutants at concentrations greater than 0.1%.
FDA/USDA: This product should not be used in FDA/USDA regulated applications.

SECTION IX SHIPPING INFORMATION

DOT REGULATED: Yes
PROPER SHIPPING NAME: Corrosive Liquids, N.O.S. (contains hexanediamine)
DOT/IMO LABELS: Corrosive
UN NUMBER: 1760
HMIS RATINGS: H= 2 F= 2 R= 2 PE=D
DOT/IMO HAZARD CLASS: 8
PACKING GROUP: III
NATIONAL MOTOR FREIGHT CLASS: ITEM# 42915 Class: LTL-65 TL-40

Nova Molecular Technologies requires that users of NRD Bottoms (R&D) inform their employees of the information on this Material Safety Data Sheet. NRD Bottoms (R&D) may be used only for research and development purposes and may be used only under the guidance of trained technical personnel. Additionally, copies of this information should be readily available to employees, the local emergency officials, and fire departments. In most states, these procedures are required.

STOLT NIELSEN 1854
Prof # 1854

T3
8-4-09
LAB
T-34

EPAHO111000787

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/12/2006**

Dear **Juan Almaguer**

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

CES Profile # 1854

Generator: Stolt-Nielsen Transportation
Address: 16300 Dezavala
Houston, TX 77530

Waste Information

Name of Waste: Used steel piping used in aerator device
TCEQ Waste Code #: 00746061
Container Type: roll off box
Detailed Description of Process Generating Waste:
Removal of aerator pipes from tank
Color: varies **Odor:** none **pH:** na
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

CES Environmental Services, Inc.

#1854

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

SECTION 1: Generator Information

Company:	Stolt-Nielsen Transportation Group		
Address:	16300 Dezavala		
City, State, Zip:	Houston , TX 77530		
Contact:	Juan Almaguer	**Title:**	Tank Cleaning Manager
Phone No:	281-860-6309	**Fax No:**	281-860-6307
24/hr Phone:	832-473-3285		
U.S. EPA I.D. No:	TXD000326819		
State I.D.	83712	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Used steel piping used in aerator device
Detailed Description of Process Generating Waste: Removal of aerator pipes from tank

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

Color: varies **Odor:** none

Specific Gravity (water=1): 1-3 **Density:** NA lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: ____ ____ ____ roll off box

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 4 **Other:** ____
Texas State Waste Code No: 00746061
Proper U.S. DOT Shipping Name: Non DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
NA	NA	NAmg/l	NAmg/l	100%

Oil&Grease	TOC	Zinc	Copper	Nickel
NAmg/l	NAmg/l	NAmg/l	NAmg/l	NAmg/l

EPAHO111000789

SECTION 4: Physical and Chemical Data

COMPONENTS LABEL	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Steel Piping	75-100	%
Residue of FLO XL Pipeline Booster (see MSDS)	1-5	%
Rubber Hoses	15-25	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 10-11-06

Printed Name/Title: Juan Almaguer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: 05

Date: 10-12-06 (Approved) Rejected

Approval Number: 1854

Att: Dana Carter

10/11/2006 14:56 2818606307 SNTG TANKWASH PAGE 01/01

EPAHO111000790

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

EPAHO111000791

(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.

EPAHO111000792

BAKER HUGHES

Material Safety Data Sheet

(b) (4)

[redacted]

(b) (4)

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CANRIG 1855
Prof# 1855

EPAHO11100802

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/12/2006**

Dear **Paul Ashford**

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 # 1855

Generator: Canrig
Address: 14703 FM 1488
Magnolia, TX 77354

Waste Information

Name of Waste: Recyclable hydrocarbon and water mixture
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Fuel removed from equipment due to particle and water contamination
Color: brownish **Odor:** diesel like **pH:** na
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

#1855

SECTION 1: Generator Information

Company:	Canrig		
Address:	14703 FM 1488		
City, State, Zip:	Magnolia, TX 77354		
Contact:	Paul Ashford/Regina Johnson	**Title:**	Managers
Phone No:	281-259-3139/281-627-3051	**Fax No:**	281-259-3194
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	CESQG		
State I.D.	CESQG	**SIC Code:**	

SECTION 2: Billing Information – ☐ Same as Above

Company:	Canrig C/O Nabors Shared Service Center A/P Dept (Note invoice to be sent electronicaly on Nabor Gateway) The original invoice needs to be marked copy and sent to Paul Ashford at the above address)		
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: Fuel removed from equipment due to particle and water contamination

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

Color: brownish **Odor:** diesel like

Specific Gravity (water=1): .85 **Density:** 8 lbs/gal

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

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

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

Number of Units (containers): 4 **Other:**

Texas State Waste Code No: NA-Recyclable Material/Product

Proper U.S. DOT Shipping Name: Combustible liquid, n.o.s., combustible liquid, NA 1993, PG-III

Class:	combus tible liquid	**UN/NA:**	NA 1993	**PG:**	III	**RQ:**	NA

EPAHO111000804

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	NA	0mg/l	0mg/l	<1%

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 %
diesel fuel	98-100	%
Water	0-2	%
dirt, algae etc	0-1	%

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: No Signature Required **Date:** 10-12-2006

Printed Name/Title: Gary Brauchman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [signature] Additional Information: _____

Date: 10-12-2006 (Approved) Rejected _____

Approval Number: 1855 _____

EPAHO111000805

VERTEX RECOVERY 1856
Prof # 1856

EPAHO11100806

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/13/2006**

Dear **Baily Kirk**

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 # 1856

Generator: Vertex Recovery, LP
Address: 200 Atlantic Pipeline Road
Baytown, TX 77520

Waste Information

Name of Waste: PCW Water
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
PCW/Contact water from petroleum fuel products
Color: clear to hazy **Odor:** slight petroleum **pH:** 6-8
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. LX

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676 # 1856
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:	Vertex Recovery, LP		
Address:	200 Atlantic Pipeline Road		
City, State, Zip:	Baytown, TX 77520		
Contact:	Bailey Kirk	**Title:**	Director
Phone No:	225-806-2682	**Fax No:**	281-596-4409
24/hr Phone:	Same		
U.S. EPA I.D. No:	n/a		
State I.D.	A85809 – used oil processor #	**SIC Code:**	N/A

SECTION 2: Billing Information – ☐ Same as Above

Company:	Vertex Recovery, LP		
Address:	2323 Clearlake City Blvd, # 180 – 184		
City, State, Zip:	Houston, TX 77062		
Contact:	Brandi Bradley	**Title:**	Accounting
Phone No:	281-538-9802 ext 110	**Fax No:**	281-596-4409

SECTION 3: General Description of the Waste

Name of Waste: PCW Water
Detailed Description of Process Generating Waste: PCW/Contact water from petroleum fuel products

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

Color: clear to hazy **Odor:** slight petroleum

Specific Gravity (water=1): 0.8 - 1.0 **Density:** 7.5 - 8.4

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: 5000 ____ ____ ____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 10 loads **Other:** ____
Texas State Waste Code No: n/a Recyclable
Proper U.S. DOT Shipping Name: ~~n/a~~ Non-RCRA, Non-DOT Regulated
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
varies	6 - 8	0 mg/l	0 mg/l	< 1%%
Oil&Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
71500 mg/l	NA mg/l	<20 mg/l	<20 mg/l	<20 mg/l

EPAHO111000808

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	98-100	%
Fuel Products (Gasoline, diesel, jet fuel, ethanol, biodiesel)	0 - 2	%

SECTION 5: Safety Related Data

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
~~na~~ 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: na
TCLP Volatiles: na
TCLP Semi-Volatiles: na
Reactivity: na
Corrosivity: na
Ignitability: na

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: Bailey D. Kirk **Date:** 10/12/06

Printed Name/Title: Bailey D. Kirk/ Director - Vertex Recovery

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robbie R Hagler

Date: 10-12-06 Approved Rejected

Approval Number: 1856

Additional Information: REC

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

If 'YES', complete this section

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

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

EPAHO111000810

VERTEX RECOVERY

2323 Clearlake City Blvd.
#180-184
Houston, TX 77062
toll free: 877.342.4790
direct line: 225.806.2682
fax: 281..596.4409
e-mail: baileyk@vertexrecovery.com
www.vertexrecovery.com

Fax

To:	Leroy Arce	**From:**	Bailey Kirk
Fax:	713-676-1676	**Pages:**	3
Phone:		**Date:**	10/12/06
Re:	PCW Profile	**CC:**	

Comments:

Leroy, here is the new profile that Matt requested for the shipments starting today. We want to set this up for recycle/recovery of any petroleum hydrocarbons.

Please call with any questions.

1857 REXAM BEVERAGE
Prof # 1857

EPAHO11100812

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/13/2006**

Dear **Mark Roman**

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 # 1857

Generator: Rexam Beverage Can
Address: 8501 East FRWY
Houston, TX 77025

Waste Information

Name of Waste: Non-hazardous soil borings
TCEQ Waste Code #: 00094091
Container Type:
Detailed Description of Process Generating Waste:
Soil borings taken from a former aluminum can manufacturing facility for Phase II environmental work
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.

DB

CES Environmental Services, Inc.

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

#1857

SECTION 1: Generator Information

Company:	Rexam Beverage Can Company		
Address:	8501 East Freeway		
City, State, Zip:	Houston, TX 77029		
Contact:	Mark Roman	**Title:**	Agent
Phone No:	609-208-1885	**Fax No:**	609-208-1889
24/hr Phone:	609-208-1885 or 713-676-1460		
U.S. EPA I.D. No:	TX990797078		
State I.D.	30418	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Envision Environmental Inc		
Address:	11 Sleepy Hollow Ct.		
City, State, Zip:	Allentown, NJ 08501		
Contact:	Mark Roman	**Title:**	Agent
Phone No:	609-208-1885	**Fax No:**	609-208-1889

SECTION 3: General Description of the Waste

Name of Waste: Non Hazardous Soil Borings
Detailed Description of Process Generating Waste: Soil Borings taken from a former aluminum can manufacturing facility for Phase II environmental work

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

Color: varies **Odor:** none

Specific Gravity (water=1): 1-1.5 **Density:** 10 lbs/gal

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

Container Type: ☒ **Drum** ☐ **Tote** ☐ **Truck** ☐ **Other (explain)**
Container Size: 55 g ____ ____ ____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 19 **Other:** ____
Texas State Waste Code No: 00094091
Proper U.S. DOT Shipping Name: Non RCRA Non DOT Regulated Waste Solids
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >200	**pH** NA	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 95-100%
Oil&Grease >100mg/l	**TOC** NAmg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

EPAHO111000814

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Soil Sand and Rock	95-100	%
Groundwater	0-5	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
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: 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:** 09-20-06

Printed Name/Title: Mark Roman/Agent for REXAM

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: 15

Date: 10-12-06 Approved Rejected _____

Approval Number: 1857 _____

EPAHO111000815

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

EPAHO111000816

(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.

EPAHO111000817

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5121

CERTIFICATE OF ANALYSIS NO: 60619.01 1of 1

Customer: CES Env. Svcs. Sample ID: Soil Borings Environ ID: 60619.01
Project ID: Raxam Can Sampled: 06-06-06
Project Loc: Hou., TX Matrix: Soil Received: 06-06-06
Charge/P.O.: Type: Reported: 06-12-06

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
METALS (RCRA) - TCLP					SW846.1311	MN	06-06-06	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	06-07-06	15:00
Barium	2.39	mg/l	100	0.02	SW846.6010B	JK	06-07-06	15:00
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	JK	06-07-06	15:00
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	06-07-06	15:00
Lead	< 0.015	mg/l	5.00	0.015	SW846.6010B	JK	06-07-06	15:00
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	06-07-06	15:00
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	JK	06-07-06	15:00
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	06-07-06	08:30

Definitions:
TCLP - Toxicity Characteristic Leaching Procedure su - Standard Units
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

EPAHO111000818

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS	METHOD:	EPA SW846/6010	MATRIX:	LIQUID

ANALYST:	JK	DATE:	06.07.06	UNITS:	PPM (mg/l)	NO.SAMPLES:	4

SAMPLES:	60617.01	60617.02	60619.01	60621.01				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS — BATCH ID: 60617.01

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	4.37	87	97	11	98	0	75 - 125	20
Barium	0.00	5	4.69	94	88	6	100	0	75 - 125	20
Cadmium	0.00	5	4.36	87	96	9	98	0	75 - 125	20
Chromium	0.00	5	4.48	90	98	9	97	0	75 - 125	20
Lead	0.00	5	4.49	90	98	9	99	0	75 - 125	20
Selenium	0.00	5	4.46	89	96	8	99	0	75 - 125	20
Silver	0.00	5	4.51	90	95	5	104	0	75 - 125	20

John Keller

JOHN KELLER, Ph.D
Laboratory Director

EPAHO111000819

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	MERCURY	METHOD: EPA SW846/7471A	MATRIX:	LIQUID

ANALYSTS:	MN	DATE:	06.07.06	UNITS:	mg/l	NO.SAMPLES:	5

SAMPLES:	60570.02	60617.01	60617.02	60619.01	60621.01			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF.	CONT. CALIB.	METH. BLANK	CORR. COEFF.	QC LIMITS RECOV.	QC LIMITS DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	100	0	1	60 - 120	20

John Keller
JOHN KELLER, Ph.D
Laboratory Director

CHAIN OF CUSTODY

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
101 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: Dan Rawlinson	Invoice To: CES
Company: CES	Company: Same
Address: 4904 Griggs Rd	Address: Same
City: Houston State: TX Zip: 77021	City: Same State: Zip:
Phone: 713-954-6150	Phone: Same
Fax: 713-636-1076	Fax: Same
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: Rexam CES
Project Location: I-10 Houston, TX
Project No:
Sampler (Print): Dan Rawlinson
Sampler (Sign):
Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	Matrix	(C)omp / (G)rab	BTEX (8021)	TPH (TX1005)	RCI	PAH	TOTAL EPA TCLP VOLATILES	SEMI-VOLS	RCRA 8 METALS	Remarks & Additional Analyses
	Cntr. Type		G									
	Number		1									
	Volume		32									
	Preservative		1									
606019.01	1) Soil Borings	8:30 AM 6/6/06									X	
	2)											
	3)											
	4)											
	5)											
	6)											
	7)											
	8)											
	9)											
	10)											

Relinquished By: Dan Rawlinson	Company: CES	Date/Time: 6/6/06 1:30 PM	Received By: Randal Hargrave
Relinquished By:	Company:	Date/Time:	Received By:
Relinquished By:	Company:	Date/Time:	Received By:

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

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

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.

JUN-13-2006 12:16 CES Environmental Svcs. 7137488664 P.13
6-12-06 2:37PM:Environ
EPAHO11000821

Montgomery County 1858
Prof # 1858

EPAHO11100822

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/13/2006**

Dear **Traci Fisher**

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

CES Profile # 1858

Generator: Montgomery County Household Facility
Address: 1130 Pruitt Road
Spring, TX 77380

Waste Information

Name of Waste: Poly jet flushing oil
TCEQ Waste Code #: CESQ2191
Container Type: 5 gal pails
Detailed Description of Process Generating Waste:
Unused out of date
Color: black **Odor:** oil/tar **pH:** 7.5
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Level D PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB 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

#1858

SECTION 1: Generator Information

Company:	Montgomery County House Hold Facility		
Address:	1130 Pruitt Rd		
City, State, Zip:	Spring, TX 77380		
Contact:	Hector Gill	**Title:**	
Phone No:	936-539-7817	**Fax No:**	
24/hr Phone:			
U.S. EPA I.D. No:	N/A		
State I.D.	N/A	**SIC Code:**	N/A

SECTION 2: Billing Information – ☐ Same as Above

Company:	CKG Services, LLC		
Address:	10707 Honea Egypt Rd		
City, State, Zip:	Montgomery, TX 77316		
Contact:	Traci Fisher	**Title:**	Office Manager
Phone No:	936-483-3662	**Fax No:**	936-483-3674

SECTION 3: General Description of the Waste

Name of Waste: Poly Jet Flushing Oil
Detailed Description of Process Generating Waste: unused out of date

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

Color: Black **Odor:** Oil/Tar

Specific Gravity (water=1): .9-1.3 **Density:** 9 lbs/gal

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

Container Type: ☐ **Drum** ☐ **Tote** ☐ **Truck** ☒ **Other (explain)** 5gal pails
Container Size: ____ ____ ____

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☒ **Yearly**
Number of Units (containers): 60 **Other:** ____
Texas State Waste Code No: CESQ2191
Proper U.S. DOT Shipping Name: Non RCRA, Non DOT Regulated Waste Liquid
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>500F	7.5	0mg/l	0mg/l	0%

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

EPAHO111000824

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Coal Tar	95-100	%
Debris	0-5	%

SECTION 5: Safety Related Data

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

Level D PPE

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
~~N/A~~ Oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: _____ **Date:** 9/21/06

Printed Name/Title: Agent for Montgomery County

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: DL

Date: 10-12-06 Approved Rejected _____

Approval Number: 1858 _____

EPAHO111000825

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES x 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

EPAHO111000826

(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.

EPAHO111000827

*** MATERIAL SAFETY DATA SHEET ***

Date of preparation: 07/01/04

4245005

SECTION I

Manufacturer	: W. R. MEADOWS, INC.
Address	: 300 Industrial Drive
	: Hampshire, Illinois 60140
Telephone #	: (847) 683-4500
Emergency #	: 1-800-424-9300 Chemtrec
Product Class	: DIVISION 2
Mfg. code I.D.	: 4245005
Trade Name	: POLY-JET FLUSHING OIL

- H M I S -

Health	: 2
Flammability	: 1
Reactivity	: 0
Personal Protection	:

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,*=Chronic)

SECTION II-A HAZARDOUS COMPONENTS

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Coal Tar	65996-89-6	95-100	YES	0	N/E

Component 1 is listed by NTP as a carcinogen or a possible carcinogen. N/E= Not Established

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313".

SECTION II-B OCCUPATIONAL EXPOSURE LIMITS

No.		OSHA PEL/TWA	PEL/CEILING	PEL/STEL	SKIN	ACGIH TLV/TWA	TLV/CEILING	TLV/STEL	SKIN
1.		0.2 mg/m³	N/E	N/E	N/E	0.2 mg/m³	N/E	N/E	N/E

Skin absorption may contribute to the overall exposure to this material. Take appropriate measures to prevent skin contact.

N/E = Not established * =Coal Tar Pitch Volatiles

SECTION III PHYSICAL DATA

Boiling Point	: 500 degrees F	% Volatile by volume	: Not determined
Evaporation Rate	: < 1 (ether = 1)	% Volatile by weight	: Not determined
Vapor Density	: > 1 (air = 1)	Weight per gallon	: 9.52 (Theoretical)
pH Level	: 7.5 (estimate)		

SECTION IV HEALTH INFORMATION

EYE CONTACT: Overexposure to product vapors can result in irritation. Eye contact with product will result in irritation, which in the absence of recommended first aid can result in minor burns to the eyes.

SKIN CONTACT: Contact with skin can result in irritation which when not washed off or when accentuated by sunlight can result in minor burns.

INHALATION: Overexposure to vapor may result in irritation to the respiratory tract. Prolonged exposure in significant excess of permissible air concentrations can result in acute toxic effects, such as respiratory difficulty, convulsions, and possible cardiovascular collapse.

INGESTION: Irritation of the gastrointestinal tract followed by nausea, vomiting, abdominal discomfort, rapid pulse, etc. Cardiovascular collapse may occur. Fatal dose is about 0.1 g/kg of body weight.

SIGNS AND SYMPTOMS: Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to this product.

OTHER HEALTH EFFECTS: Prolonged and repeated skin exposure over many years in the absence of recommended hygiene practices may lead to changes in skin pigmentation, benign skin growths, and may, in some cases, result in skin cancer. Additionally, inhalation of vapors over a period of several years may present a lung cancer hazard.

SECTION V EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention.

SKIN CONTACT: Remove with waterless hand cleaners or soap and water. Avoid solvents.

INHALATION: Move victim into fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen and call a physician.

INGESTION: If conscious, first induce vomiting, then administer two(2) tablespoons of activated charcoal - USP (Drug grade) in water. Get immediate medical assistance.

(b) (6) [redacted]

SECTION VI FIRE AND EXPLOSION HAZARDS

FLAMMABILITY CLASSIFICATION - NFPA: None
- DOT: Not regulated

FLASH POINT: Greater than 500 degrees F

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical, or Carbon Dioxide

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: Clear fire area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Water/fog is recommended for the control of unconfined tar fires, but water may cause frothing or eruption in a closed tank.

SECTION VII REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS AND MATERIALS TO AVOID: Strong oxidizing agents and water contact when confined and in a molten state.

HAZARDOUS DECOMPOSITION PRODUCTS: When burned, this material may emit Carbon Dioxide, Carbon Monoxide, and lower molecular weight hydrocarbons.

SECTION VIII EMPLOYEE PROTECTION

RESPIRATORY PROTECTION: Use ventilation as required to control vapor concentrations - at least 10 air changes per hour are recommended for good general room ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH approved respirator.

PROTECTIVE CLOTHING: Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.

ADDITIONAL PROTECTIVE MEASURES: Eye wash fountains and safety showers should be available for use in an emergency. For exposed skin use approved barrier creams (by Pro-Tex, Fend A-2, Safeticote Skin Protector #83734).

SECTION IX ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES: LARGE SPILLS>> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>> Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL: Observe all Federal, State and local regulations regarding proper disposal.

SECTION X ADDITIONAL PRECAUTIONS

Containers may contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.

EPAHO111000829

CKG SERVICES, LLC.

OFFICE: 936-483-3662

FAX: 936-483-3674

FACSIMILE TRANSMITTAL SHEET

TO: Dan	FROM: Traci
COMPANY: CES Environmental	DATE: 10/12/06
FAX NUMBER: 713-676-1676	TOTAL NO. OF PAGES INCLUDING COVER: 9
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE: Benzene Testing for Flushing Oil	YOUR REFERENCE NUMBER:

☐ URGENT ☑ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS

Dan,

Per your request we tested for Benzene for the flushing oil. Attached is the analytical for the flushing oil for Montgomery County House Hold. If there are any questions please feel free to contact me.

Thank you,

Traci

10707 HONEA EGYPT ROAD MAGNOLIA, TX 77354

A4 Scientific
www.a4scientific.com

1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281)292-5277
FAX: (281)292-2481

October 10, 2006

ZAC MCKAUGHAN
CKG SERVICES
10707 HONEA EGYPT RD.
MONTGOMERY, TX 77316

REFERENCE:

Project.....: MONTGOMERY COUNTY REUSE
Project Number.....:
Lab Episode Number.....: 7988
Date Received.....: 10/03/2006

Dear ZAC MCKAUGHAN:

Enclosed is the analytical Report for the project referenced above. The following sample(s) are included in the report.

☑1 ☐ ☐ ☐

All the holding times were met for the tests performed on these samples. Enclosed, please find the Quality Control Summary. All quality control results for the QC batch that are applicable to the sample(s) are acceptable except as noted in the QC batch reports.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

Thank you for selecting A4 SCIENTIFIC for your laboratory needs on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

Sincerely,

Reddy Pakanati
Laboratory Manager

A4 Scientific
www.a4scientific.com

1944 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
(Fax): (281) 292-2481

ANALYTICAL REPORT

CLIENT PROJECT....: MONTGOMERY COUNTY REUSE
CLIENT PROJECT NUMBER...: _____

Prepared For:

CKG SERVICES
10707 HONEA EGYPT RD.
MONTGOMERY, TX 77316

ATTENTION: ZAC MCKAUGHAN

Date: 10/10/2006

Reddy Pakanati
Signature

LAB EPISODE NUMBER: 7988
Date Received.....: 10/03/2006
Lab Project ID....: 7988

Reddy Pakanati
Laboratory Manager
(281) 292-5277
pakanati@a4scientific.com

1988

A4 Scientific

Chain of Custody Record

CoC No. _____

Lab Project No. _____

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380
(281) 292-5277 • FAX: (281) 292-2481 • www.a4scientific.com

Client Name / Address:	Project Manager: Zac McLaughlin	Send Report to:
CKG Services	Phone Number: 281-541-4829	

Project Number:	Project Name	P.O. Number	Samplers (Signature)
	Montgomery County Reuse		

Client Sample ID	Date	Time	Station Location	Number of Containers	Matrix	Client Remarks	Lab Sample ID
1	10/3	13:20		1	Liquid	Standard turn	.01

For Lab Use Only

8/3/06

Relinquished by (Signature)	Date / Time	Received by (Signature)	Date / Time	Lab Remarks:
	10/3 13:34			
Relinquished by (Signature)	Date / Time	Received for Laboratory by (Signature)	Date / Time	
		Susan Eddy	10/3/06 3:34	

Method of Shipment:

Distribution: Original accompanies shipment; Copy to coordinator and field files

PAGE: 00002

EPAHO11000833

A4 Scientific

1544 Sawdust Road, Suite 505
The Woodlands, TX 77380

Sample Log-In Report

Logged By: JS
Client Name: CKG SERVICES
Client Project Name: MONTGOMERY COUNTY REUSE
ClientProject #:
P.O. No.:
Courier/No.:

Lab Project ID: 7988
Date Logged: 10/04/06
Date Received: 10/03/06
Time Received: 15:34

Report Date: 10/04/2006 9:20:55
Send Report To..
ZAC MCKAUGHAN
10707 HONEA EGYPT RD.

MONTGOMERY
TX 77316

CASE	SDG	Lab Sample ID	Client Sample ID	No. Cont.	Sample Matrix	Date Sampled	Time Sampled	Chain Of Custody No.	Tests Required	Date Due	Remarks
		7988.001	1	1	SOIL	10/03/06	13:20	7988	BENZENE-8260	10/08/06	

Instructions To Lab:

Lab Approval

Client Approval

PAGE 00003

EPAHO11100834

A4 Scientific

1544 Sawdust Road, Suite 505
The Woodlands, TX 77380

LABORATORY REPORT

VOLATILES BY GC/MS

CLIENT NAME	: CKG SERVICES	CLIENT SAMPLE ID	: 1
PROJECT NAME	: MONTGOMERY COUNTY REUSE	LAB SAMPLE ID	: 7988.001
PROJECT NUMBER	:	METHOD REFERENCE	: SW846-8260B
DATE SAMPLED	: 10/03/2006	DATE RECEIVED	: 10/03/2006
SAMPLE MATRIX	: SOIL	PRINTED ON	: 10/10/2006 17:51

% MOISTURE	:	ANALYST	: PD
DATE ANALYZED	: 10/04/06	INSTRUMENT FILE	: C7697
INSTRUMENT ID	: C-5973	SAMPLE WEIGHT	: 0.01 g
TIME ANALYZED	: 15:49		

PARAMETER	QUANTITATION LIMIT		RESULTS		QUALIFIER
Benzene	2500	UG/KG	ND	UG/KG	

QUALITY CONTROL DATA

SURROGATE COMPOUND	SPIKE ADDED		QC RECOVERY LIMITS	%RECOVERY
Toluene-d8	25000	UG/KG	65 - 135	128
1,2-Dichloroethane-d4	25000	UG/KG	52 - 149	120
4-Bromofluorobenzene	25000	UG/KG	65 - 135	124
Dibromofluoromethane	25000	UG/KG	65 - 135	111

A4 Scientific

1544 Sawdust Road, Suite 505
The Woodlands, TX 77380

LABORATORY REPORT

VOLATILES BY GC/MS

CLIENT NAME	:	CLIENT SAMPLE ID	: Prep Blank
PROJECT NAME	:	LAB SAMPLE ID	: VBLK66
PROJECT NUMBER	:	METHOD REFERENCE	: SW846-8260B
DATE SAMPLED	:	DATE RECEIVED	:
SAMPLE MATRIX	: SOLID	PRINTED ON	: 10/10/2006 17:51

% MOISTURE	:	ANALYST	: PD
DATE ANALYZED	: 10/04/06	INSTRUMENT FILE	: C7694
INSTRUMENT ID	: C-5973	SAMPLE WEIGHT	: 5 g
TIME ANALYZED	: 14:11		

PARAMETER	QUANTITATION LIMIT		RESULTS		QUALIFIER
Benzene	5.0	UG/KG	ND	UG/KG	

QUALITY CONTROL DATA

SURROGATE COMPOUND	SPIKE ADDED	QC RECOVERY LIMITS	%RECOVERY
Toluene-d8	50 UG/KG	65 - 135	108
1,2-Dichloroethane-d4	50 UG/KG	52 - 149	122
4-Bromofluorobenzene	50 UG/KG	65 - 135	105
Dibromofluoromethane	50 UG/KG	65 - 135	120

A4 Scientific

1544 Sawdust Road, Suite 505
The Woodlands, TX 77380

LCS/LCSD SUMMARY REPORT

VOLATILES BY GC/MS

CLIENT NAME :
PROJECT NAME :
PROJECT NUMBER :

DATE RECEIVED :
PRINTED ON :10/10/2006 17:51

SAMPLE MATRIX :SOLID
METHOD REFERENCE :SW846-8260B

LAB CONTROL SAMPLE
LCS SAMPLE ID :VLCS66
CLIENT SAMPLE ID :
DATE ANALYZED :10/04/06
INSTRUMENT FILE :C7695

LAB CONTROL SAMPLE DUPLICATE
LCSD SAMPLE ID :VLCS66D
CLIENT SAMPLE ID :
DATE ANALYZED :10/04/06
INSTRUMENT FILE :C7696

PARAMETER	UNITS	LCS TRUE VALUE	LCSD TRUE VALUE	LCS FOUND VALUE	LCSD FOUND VALUE	LCS RECOVERY (a)	LCSD RECOVERY (b)	RPD	RPD LIMIT	QC LIMITS REC
Benzene	UG/KG	50	50	62	60	124	120	3.3	20	65 - 135

* Indicate values outside of QC limits

RPD : 0 out of 1 outside limits
Spike Recovery : 0 out of 2 outside limits

END OF REPORT

EPAHO111000838

Dresser Flow 1859
Prof # 1859

EPAHO11000839

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/17/2006**

Dear **George Chapman**

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 # 1859

Generator: Dresser
Address: 16240 Port North West Drive
Houston, TX 77041

Waste Information

Name of Waste: Lead acid batteries
TCEQ Waste Code #: UNIV309H
Container Type: on pallets
Detailed Description of Process Generating Waste:
Spent automotive type batteries
Color: various **Odor:** none **pH:** <2.0
Physical State:
Incompatibilities: oxidizers, bases
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

#1859

SECTION 1: Generator Information

Company:	Dresser Flow		
Address:	16240 Port Northwest Drive		
City, State, Zip:	Houston, TX 77041		
Contact:	Seth Woody/Rudy Lopez)	Title:	EH & S Manager
Phone No:	832-590-2390/832-264-2062	Fax No:	832-590-2132
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	NA		
State I.D.	NA	SIC Code:	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Dresser Meters (Attention: George Chapman)		
Address:	16240 Port Northwest Drive. Suite 100		
City, State, Zip:	Houston. TX 77041-2645		
Contact:	George Chapman	Title:	
Phone No:	832-364-7009	Fax No:	832-590-2123

SECTION 3: General Description of the Waste

Name of Waste: Lead Acid Batteries
Detailed Description of Process Generating Waste: Spent automotive type batteries

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) on pallets
Container Size: ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 Other: ____
Texas State Waste Code No: UNIV309H
Proper U.S. DOT Shipping Name: Batteries, wet filled with acid, 8, UN 2794, PG-III
Class: 8 UN/NA: UN 2794 PG: III RQ: NA

Flash Point >200	pH <2.0	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids 80-100%
Oil&Grease <1500mg/l	TOC <1600mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

EPAHO111000841

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Lead Acid Batteries	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):
oxidizers, bases

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: John D Wasly **Date:** 10/13/06

Printed Name/Title: EHS MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rebecca Ohrgaard

Date: 10-16-06 Approved Rejected

Approval Number: 1859

Additional Information: UNIV

TOTAL P.05

Texas Oil Tools 1860
Prof# 1860

EPAHO1110000843

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/17/2006**

Dear **Robert Ybarra**

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 # 1860

Generator: Texas Oil Tools (Brandt NOV)
Address: Same
,

Waste Information

Name of Waste: Empty 55 gallon drums
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Empty drums of which the bulk of the drums last contained oil type products
Color: various **Odor:** none **pH:** neutral
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Level D

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

613

#1860

SECTION 1: Generator Information

Company:	Texas Oil Tools (Brandt NOV)		
Address:	2800 N. Frazier		
City, State, Zip:	Conroe. TX 77303		
Contact:	Robert Ybarra	**Title:**	QA Manager
Phone No:	936-523-2749	**Fax No:**	936-756-4809
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD052040409		
State I.D.	36294	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Empty 55 gallon drums
Detailed Description of Process Generating Waste: Empty drums of which the bulk of the drums last contained oil type products.

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

Color: various **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 g ____ ____ ____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 10 **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 **PC:** NA **RQ:** NA

Flash Point >140	**pH** neutral	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 100%
Oil&Grease >1500mg/l	**TOC** >1500mg/l	**Zinc** 0mg/l	**Copper** 0mg/l	**Nickel** 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty Metal Drums	80-100	%
Empty Poly Drums	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.
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: Robert Ybarra **Date:** 10-13-06

Printed Name/Title: Robert Ybarra QA & HSE Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Ybarra **Additional Information:** REC

Date: 10-16-06 **Approved** **Rejected**

Approval Number: 1860

EPAHO111000846

Texas Oil Tools 1861
Prof# 1861

EPAHO11100847

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/17/2006**

Dear **Robert Oil Tools**

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 # 1861

Generator: Texas Oil Tools (Brandt NOV)
Address: Same
,

Waste Information

Name of Waste: Used oil and coolant
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Coolant and oil from machining operations, incudes motor oil and hydraulic oil from equipment fluid changes
Color: brown with greenish la **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

GZ 1861

SECTION 1: Generator Information

Company:	Texas Oil Tools (Brandt NOV)		
Address:	2800 N. Frazier		
City, State, Zip:	Conroe. TX 77303		
Contact:	Robert Ybarra	Title:	QA Manager
Phone No:	936-523-2749	Fax No:	936-756-4809
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD052040409		
State I.D.	36294	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: Used Oil and Coolant
Detailed Description of Process Generating Waste: Coolent and oil from machining operations, includes motor oil and hydraulic oil from equipment fluid changes

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

Color: Brown with greenish layer Odor: oil like

Specific Gravity (water=1): .90 Density: 8 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type:	☐	Drum	☐	Tote	☒	Truck	☐ Other (explain)
Container Size:		____		____		1500 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 <3%
Oil&Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Used Oil and Cutting Oil	20-80	%
Water	0-20	%
Coolant	20-60	%
Metal shaving, 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.
Chlor-D-Tect

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: Robert Ybarra **Date:** 10-13-06

Printed Name/Title: Robert Ybarra QA & HSE Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robbie R Thompson Additional Information: REC

Date: 10-16-06 Approved Rejected

Approval Number: 1861

Sample Evaluation Form

Sample ID # 0006 **Date** 9/11/06

Please Complete This Section

Generator / Customer Name :	Texas Oil Tool
Name or Type of Waste :	coolant/oil/water
Process Generating Waste :	Machine Grinding
Number of Samples : 1	**Submitted By :** Gary
Analysis To Be Completed :	Chlor-D-Test
Turn Around Time :	ASAP
Other :	Hold sample if Chlor-D-Test fails.

(Lab Use Only)

Sample Results : PASSED CHLOR D TEST

Suggested Method of Treatment : —

Suggested Price Range : ~

Sample Results Reported to GB

Test Completed By : tc **Date :** 9/08/06 **Time:** 1:30pm

1862 Energy Transfer /
Houston Pipeline

EPAHO111000852

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/16/2006**

Dear **Robby Meriovsky**

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

CES Profile # 1862

Generator: Energy Transfer/Houston Pipeline
Address: 3 Mile West of Hwy 105 on FM 1131
Vidor, TX

Waste Information

Name of Waste: Pipeline separator filters (natural gas)
TCEQ Waste Code #: CESQ4891
Container Type: Roll-off
Detailed Description of Process Generating Waste:
From pipeline separator
Color: tan - black **Odor:** none **pH:** 7
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

#1862

SECTION 1: Generator Information

Company:	Energy Transfer/Houston Pipeline 1131		
Address:	3 mile West of Hwy 105 on FM ~~1331~~		
City, State, Zip:	Vidor, TX.		
Contact:	David Wigzell	**Title:**	
Phone No:	281-652-2241	**Fax No:**	281-652-2201
24/hr Phone:			
U.S. EPA I.D. No:	NONE		
State I.D.	NONE	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Select Environmental		
Address:	223 McCarty		
City, State, Zip:	Houston, TX. 77029		
Contact:	Robby Mersiovsky	**Title:**	Sales
Phone No:	713-882-7740	**Fax No:**	713-672-9425

SECTION 3: General Description of the Waste

Name of Waste: Pipeline separator filters (Natural Gas)
Detailed Description of Process Generating Waste: from pipeline separator

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

Color: tan-blk. **Odor:** none

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

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: _____ _____ _____ roll-off

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 **Other:** _____
Texas State Waste Code No: ~~NONE~~ CESQ 4891
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** 7	**Reactive Sulfides** <20 mg/l	**Reactive Cyanides** <20 mg/l	**Solids** 100%
Oil&Grease ~~15000~~ mg/l	**TOC** ~~5000~~ mg/l	**Zinc** <20 mg/l	**Copper** <20 mg/l	**Nickel** <20 mg/l

EPAHO111000854

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Pipeline Separator filters	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.
analytical

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: 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:** 10/12/06

Printed Name/Title: David H. Wilzell EH&S Coor.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 10-16-06 Approved Rejected

Approval Number: 1862

Additional Information: Filters need DS to be shredded, then recycled

EPAHO111000855

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

EPAHO111000856

(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.

EPAHO111000857

EAS

Earth Analytical Sciences, Inc.

Certificate of Analysis

Report Date: 08/09/06
Client : Houston Pipeline Co., LP

P.O. Box 988
Pearland, Texas 77588

EAS Job Number:	07286028
Sample	Solid
Project Name:	Texoma A.S. Filters
Sampled By:	Client
Date Sampled:	7/28/06
Date Received:	7/28/06

Analysis:
BTEX
Corrosivity
Ignitability
Reactive Cyanide
Reactive Sulfide
TCLP Mercury
TCLP Metals
Tx1005 Total Petroleum Hydrocarbons

David B. White
Director of Analytical Services

Earth Analytical Sciences, Inc. (EAS) warrants that work will be performed in accordance with sound laboratory practice and professional standards, but makes no other warranty, expressed or implied. In the event of any error, omission or other professional negligence, the sole and exclusive responsibility of EAS shall be to reperform the work at its own expense, and EAS shall have no other liability whatsoever. In no event shall EAS be liable, whether in contract or tort, including negligence, for any incidental or consequential damages. If this provision is in conflict with other contractual terms, it is understood that this provision will, in all cases, prevail. This report can only be reproduced in full with written consent of EAS.

Earth Analytical Sciences, Inc.
4825 Ward Dr. Beaumont, Tx. 77705 Phone: (409) 842-0658 Fax: (409) 842-9793 Email: dwhite@earthanalytical.com

Laboratory Report

Houston Pipeline Co., LP
Contact: David Wigzell
Project: Texoma A.S. Filters

Job Number: 07286028
Date Received: 7/28/06

EAS Lab Number: 07286028-001
Sample ID: Texoma A.S. Filters - Comp
Date 7/28/06 10:00 Matrix: Solid

		SAMPLE RESULT	UNITS	PQL	REG. LIMIT	METHOD	ANALYST	DATE / TIME ANALYZED	
BTEX									
	Benzene	**< 0.500**	mg/kg	0.500		SW846 8260B	KH/MKT	8/ 2/06	7:20
	Toluene	**< 0.500**	mg/kg	0.500		SW846 8260B	KH/MKT	8/ 2/06	7:20
	Ethyl benzene	**< 0.500**	mg/kg	0.500		SW846 8260B	KH/MKT	8/ 2/06	7:20
	Xylene (Total)	**0.925**	mg/kg	0.500		SW846 8260B	KH/MKT	8/ 2/06	7:20
	Toluene-d8 (S)	**105**	%			SW846 8260B	KH/MKT	8/ 2/06	7:20
Ignitability									
	Ignitability	> 200	Deg. F			SW846 1010	RD	8/ 1/06	12:00
TCLP Metals									
	TCLP Arsenic	**0.06**	mg/L	0.05	5	SW846 6010B	TE	8/ 3/06	8:47
	TCLP Barium	**0.27**	mg/L	0.05	100	SW846 6010B	TE	8/ 3/06	8:47
	TCLP Cadmium	**< 0.05**	mg/L	0.05	1	SW846 6010B	TE	8/ 3/06	8:47
	TCLP Chromium	**< 0.05**	mg/L	0.05	5	SW846 6010B	TE	8/ 3/06	8:47
	TCLP Lead	**< 0.05**	mg/L	0.05	5	SW846 6010B	TE	8/ 3/06	8:47
	TCLP Selenium	**< 0.05**	mg/L	0.05	1	SW846 6010B	TE	8/ 3/06	8:47
	TCLP Silver	**< 0.05**	mg/L	0.05	5	SW846 6010B	TE	8/ 3/06	8:47
TCLP Mercury									
	TCLP Mercury	**0.0044**	mg/L	0.0005	0.2	SW846 7470	TE	8/ 1/06	14:56
Reactive Cyanide									
	Reactive Cyanide	**< 10**	mg/kg	10		SW846_9014	RD	7/31/06	8:00
Reactive Sulfide									
	Reactive Sulfide	**< 8.0**	mg/kg	8.0		SW846_9034	RD	7/31/06	8:00
Corrosivity									
	Corrosivity	**4.58**	pH units			SW846 9045C	RD	7/31/06	12:25
Tx1005 Total Petroleum Hydrocarbons									
	C6-C12 Hydrocarbons	**< 5000**	mg/kg	5000		Tx1005	CS/SB	8/ 2/06	14:55
	>C12-C28 Hydrocarbons	**14036**	mg/kg	5000		Tx1005	CS/SB	8/ 2/06	14:55
	>C28-C35 Hydrocarbons	**13551**	mg/kg	5000		Tx1005	CS/SB	8/ 2/06	14:55

Earth Analytical Sciences, Inc.
4825 Ward Dr. Beaumont, Tx. 77705 Phone (409) 842-0658 Fax (409) 842-9793

EPAHO111000859

Laboratory Report

Houston Pipeline Co., LP
Contact: David Wigzell
Project: Texoma A.S. Filters

Job Number: 07286028
Date Received: 7/28/06

	SAMPLE RESULT	UNITS	PQL	REG. LIMIT	METHOD	ANALYST	DATE / TIME ANALYZED	
Tot C6-C35 Hydrocarbons	**27587**	mg/kg	5000		Tx1005	CS/SB	8/ 2/06	14:55
1-Chlorooctane (S)	**108**	%			Tx1005	CS/SB	8/ 2/06	14:55
1-Chlorooctadecane(S)	**106**	%			Tx1005	CS/SB	8/ 2/06	14:55

Earth Analytical Sciences, Inc.
4825 Ward Dr. Beaumont, Tx. 77705 Phone (409) 842-0658 Fax (409) 842-9793

EPAHO11100860

QA/QC REPORT

Houston Pipeline Co., LP
Job 07286028

	METHOD	ORGINAL SAMPLE	SAMPLE RESULT	QC RESULT	UNIT	TRUE ADDED	RELATED QC CALCULATIONS	
BLK								
Benzene	SW846 8260B			< 0.002	mg/Kg			
Toluene	SW846 8260B			< 0.002	mg/Kg			
Ethyl benzene	SW846 8260B			< 0.002	mg/Kg			
Xylene (Total)	SW846 8260B			< 0.002	mg/Kg			
Toluene-d8 (S)	SW846 8260B			107	%	100		
TCLP Arsenic	SW846 6010B			< 0.05	mg/L			
TCLP Barium	SW846 6010B			< 0.05	mg/L			
TCLP Cadmium	SW846 6010B			< 0.05	mg/L			
TCLP Chromium	SW846 6010B			< 0.05	mg/L			
TCLP Lead	SW846 6010B			< 0.05	mg/L			
TCLP Selenium	SW846 6010B			< 0.05	mg/L			
TCLP Silver	SW846 6010B			< 0.05	mg/L			
TCLP Mercury	SW846 7470			< 0.0005	mg/L			
Reactive Cyanide	SW846_9014			< 10	mg/kg			
Reactive Sulfide	SW846_9034			< 8.0	mg/kg			
C6-C12 Hydrocarbons	Tx1005			< 50.0	mg/kg			
>C12-C28 Hydrocarbons	Tx1005			< 50.0	mg/kg			
>C28-C35 Hydrocarbons	Tx1005			< 50.0	mg/kg			
Tot C6-C35 Hydrocarbons	Tx1005			< 50.0	mg/kg			
1-Chlorooctane (S)	Tx1005			89	%	100		
1-Chlorooctadecane(S)	Tx1005			89	%	100		
BMS								
C6-C12 Hydrocarbons	Tx1005			516	mg/kg	500	%R: 103	
>C12-C28 Hydrocarbons	Tx1005			508	mg/kg	500	%R: 102	
Tot C6-C35 Hydrocarbons	Tx1005			1024	mg/kg	1000	%R: 102	
1-Chlorooctane (S)	Tx1005			93	%	100	%R: 93	
1-Chlorooctadecane(S)	Tx1005			102	%	100	%R: 102	
BMSD								
C6-C12 Hydrocarbons	Tx1005			491	mg/kg	500	%R: 98	RPD: 5.0
>C12-C28 Hydrocarbons	Tx1005			507	mg/kg	500	%R: 101	RPD: 0.2
Tot C6-C35 Hydrocarbons	Tx1005			998	mg/kg	1000	%R: 100	RPD: 2.6
1-Chlorooctane (S)	Tx1005			103	%	100	%R: 103	
1-Chlorooctadecane(S)	Tx1005			110	%	100	%R: 110	
Dup								
Reactive Cyanide	SW846_9014		< 10	< 10	mg/kg		RPD: 0.0	
Reactive Sulfide	SW846_9034		< 8.0	< 8.0	mg/kg		RPD: 0.0	
Corrosivity	SW846 9045C		8.71	8.71	pH units		RPD: 0.0	
Ignitability	SW846 1010		> 200	> 200	Deg. F			

Earth Analytical Sciences, Inc.
4825 Ward Dr. Beaumont, Tx. 77705 Phone (409) 842-0658 Fax (409) 842-9793
www.earthanalytical.com

QA/QC REPORT

Houston Pipeline Co., LP
Job 07286028

	METHOD	ORGINAL SAMPLE	SAMPLE RESULT	QC RESULT	UNIT	TRUE ADDED	RELATED QC CALCULATIONS
LCS							
Benzene	SW846 8260B			0.051	mg/Kg	0.050	%R: 102
Toluene	SW846 8260B			0.050	mg/Kg	0.050	%R: 100
Ethyl benzene	SW846 8260B			0.051	mg/Kg	0.050	%R: 102
Xylene (Total)	SW846 8260B			0.153	mg/Kg	0.150	%R: 102
Toluene-d8 (S)	SW846 8260B			101	%	100	%R: 101
Ignitability	SW846 1010			80	Deg. F	81	%R: 99
TCLP Arsenic	SW846 6010B			1.87	mg/L	2.00	%R: 94
TCLP Barium	SW846 6010B			2.23	mg/L	2.00	%R: 112
TCLP Cadmium	SW846 6010B			2.19	mg/L	2.00	%R: 110
TCLP Chromium	SW846 6010B			2.06	mg/L	2.00	%R: 103
TCLP Lead	SW846 6010B			2.18	mg/L	2.00	%R: 109
TCLP Selenium	SW846 6010B			1.67	mg/L	2.00	%R: 84
TCLP Silver	SW846 6010B			1.66	mg/L	2.00	%R: 83
TCLP Mercury	SW846 7470			0.0042	mg/L	0.0050	%R: 84
Corrosivity	SW846 9045C			5.05	pH units	5	%R: 101
C6-C12 Hydrocarbons	Tx1005			242	mg/kg	250	%R: 97
>C12-C28 Hydrocarbons	Tx1005			253	mg/kg	250	%R: 101
Tot C6-C35 Hydrocarbons	Tx1005			495	mg/kg	500	%R: 99
1-Chlorooctane (S)	Tx1005			97	%	100	%R: 97
1-Chlorooctadecane(S)	Tx1005			100	%	100	%R: 100
LCS2							
Ignitability	SW846 1010			80	Deg. F	81	%R: 99
TCLP Arsenic	SW846 6010B			1.83	mg/L	2.00	%R: 92
TCLP Barium	SW846 6010B			2.19	mg/L	2.00	%R: 110
TCLP Cadmium	SW846 6010B			2.17	mg/L	2.00	%R: 109
TCLP Chromium	SW846 6010B			2.03	mg/L	2.00	%R: 101
TCLP Lead	SW846 6010B			2.15	mg/L	2.00	%R: 108
TCLP Selenium	SW846 6010B			1.64	mg/L	2.00	%R: 82
TCLP Silver	SW846 6010B			1.64	mg/L	2.00	%R: 82
TCLP Mercury	SW846 7470			0.0041	mg/L	0.0050	%R: 82
Corrosivity	SW846 9045C			7.98	pH units	8	%R: 100
MS							
TCLP Mercury	SW846 7470		< 0.0005	0.0039	mg/L	0.0050	%R: 78
TCLP Arsenic	SW846 6010B		< 0.05	1.97	mg/L	2.00	%R: 99
TCLP Barium	SW846 6010B		0.57	2.61	mg/L	2.00	%R: 102
TCLP Cadmium	SW846 6010B		< 0.05	2.05	mg/L	2.00	%R: 102
TCLP Chromium	SW846 6010B		< 0.05	1.93	mg/L	2.00	%R: 97
TCLP Lead	SW846 6010B		< 0.05	2.01	mg/L	2.00	%R: 100
TCLP Selenium	SW846 6010B		< 0.05	1.91	mg/L	2.00	%R: 96
TCLP Silver	SW846 6010B		< 0.05	1.88	mg/L	2.00	%R: 94
Benzene	SW846 8260B		< 0.010	0.254	mg/kg	0.250	%R: 102
Toluene	SW846 8260B		< 0.010	0.255	mg/kg	0.250	%R: 102
Ethyl benzene	SW846 8260B		< 0.010	0.256	mg/kg	0.250	%R: 102
Xylene (Total)	SW846 8260B		< 0.010	0.772	mg/kg	0.750	%R: 103
Toluene-d8 (S)	SW846 8260B			107	%	100	%R: 107

Earth Analytical Sciences, Inc.
4825 Ward Dr. Beaumont, Tx. 77705 Phone (409) 842-0658 Fax (409) 842-9793
www.earthanalytical.com

QA/QC REPORT

Houston Pipeline Co., LP
Job 07286028

	METHOD	ORGINAL SAMPLE	SAMPLE RESULT	QC RESULT	UNIT	TRUE ADDED	RELATED QC CALCULATIONS
MSD							
TCLP Mercury	SW846 7470		< 0.0005	0.0040	mg/L	0.0050	%R: 80 RPD: 2.5
TCLP Arsenic	SW846 6010B		< 0.05	1.91	mg/L	2.00	%R: 96 RPD: 3.1
TCLP Barium	SW846 6010B		0.57	2.55	mg/L	2.00	%R: 99 RPD: 2.3
TCLP Cadmium	SW846 6010B		< 0.05	2.02	mg/L	2.00	%R: 101 RPD: 1.5
TCLP Chromium	SW846 6010B		< 0.05	1.90	mg/L	2.00	%R: 95 RPD: 1.6
TCLP Lead	SW846 6010B		< 0.05	1.96	mg/L	2.00	%R: 98 RPD: 2.5
TCLP Selenium	SW846 6010B		< 0.05	1.90	mg/L	2.00	%R: 95 RPD: 0.5
TCLP Silver	SW846 6010B		< 0.05	1.86	mg/L	2.00	%R: 93 RPD: 1.1
Benzene	SW846 8260B		< 0.010	0.253	mg/kg	0.250	%R: 101 RPD: 0.4
Toluene	SW846 8260B		< 0.010	0.250	mg/kg	0.250	%R: 100 RPD: 2.0
Ethyl benzene	SW846 8260B		< 0.010	0.257	mg/kg	0.250	%R: 103 RPD: 0.4
Xylene (Total)	SW846 8260B		< 0.010	0.783	mg/kg	0.750	%R: 104 RPD: 1.4
Toluene-d8 (S)	SW846 8260B			104	%	100	%R: 104

EPAHO111000863

Matt Bowman

From: Robby Mersiovsky [robbym@orpp.com]
Sent: Monday, October 16, 2006 3:06 PM
To: mbowman@cesenvironmental.com
Subject: Fw: FILTER SEPARATORS

Sent from my BlackBerry Wireless Device

----- Original Message -----
From: Wigzell, David <David.Wigzell@energytransfer.com>
To: Robby Mersiovsky
Sent: Mon Oct 16 15:52:16 2006
Subject: FILTER SEPARATORS

Robby, horizontal pipeline separators are isolated and blown down. Then they are pumped full of fresh water via vac truck, once full, the water is circulated thru separator and filters via pumps and tanks, to break-down solids, water is visually checked and more fresh water can be added if needed, after ciculation is complete water is removed via vac tyruck and separator is opened and filters removed. This process eleminates potentially pyrophoric soilds. Thanks. David

Hydril McCarty
Prof # 1863

1863

EPAHO111000865

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/17/2006**

Dear **Terry Searcy**

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 # 1863

Generator: Hydril McCarty
Address: 302 McCarty Street
Houston, TX 77029

Waste Information

Name of Waste: Non-hazardous grease, pipe dope and debris
TCEQ Waste Code #: 00012051
Container Type:
Detailed Description of Process Generating Waste:
Grease and pipe dope contaminated wood, rags, dirt, concrete, etc.
Color: Brown **Odor:** None **pH:** na
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
None

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company:	Hydril McCarty		
Address:	302 McCarty Street		
City, State, Zip:	Houston, TX 77029		
Contact:	Lacy Rosson	**Title:**	Environmental Manager
Phone No:	281 985-8678	**Fax No:**	281 985-3307
24/hr Phone:	713 302-7588		
U.S. EPA I.D. No:	TXD988059184		
State I.D.	31232	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Grease, Pipe Dope and Debris
Detailed Description of Process Generating Waste: Grease and pipe dope contaminated wood, rags, dirt, concrete, etc.

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

Color: Brown **Odor:** None

Specific Gravity (water=1): 2 **Density:** 15 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: ~~00122051~~ 00012051

Proper U.S. DOT Shipping Name: Non DOT Regulated Grease

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

Flash Point N/A	**pH** N/A	**Reactive Sulfides** < 5mg/l	**Reactive Cyanides** < 5mg/l	**Solids** 100%
Oil&Grease > 1500mg/l	**TOC** N/Amg/l	**Zinc** N/Amg/l	**Copper** N/Amg/l	**Nickel** N/Amg/l

EPAHO111000867

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Soil/Sand/Grass/Rocks/Wood/etc. (Debris)	60-95	%
Grease/Pipe Dope	5-40	%

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.
6100192

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: See Analytical
TCLP Volatiles: See Analytical
TCLP Semi-Volatiles: No semi-volatiles are part of process
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 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:** 10/11/06

Printed Name/Title: Lacy Rosson/Environmental Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 10-17-06 Approved Rejected 05

Approval Number: 1863

EPAHO111000868

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

EPAHO111000869

(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.

EPAHO111000870

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: **Sean Easton**

- CERTIFICATE OF RESULTS -

MES Lab#: 6100192
Client Sample ID: Unknown Drums
Extended ID: Hydril McCarty Facility

Sample Collect Date: 10/9/2006 @ 11:03:00 AM **Sample Type:** Comp
Sample Receipt Date: 10/9/2006 @ 2:12:00 PM

Test Group / Method

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/kg	10/11/2006 / 1:45 PM

Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: L Date / Time
Hydrogen Sulfide	0.25	< 0.25	mg/kg	10/11/2006 / 11:30 AM

CORROSIVITY: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
pH		**8.33**		10/10/2006 / 11:00 AM

IGNITABILITY Method: SW-846 1010	MDL	RL	Result	Units	Analyst: DB Date / Time
Flashpoint		**150**	**>150**	**deg F**	10/10/2006 / 11:00 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	10/12/2006 / 2:17 PM
Barium	0.0005	100	**0.0714**	**mg/L**	10/12/2006 / 2:17 PM
Cadmium	0.002	1	< 0.002	mg/L	10/12/2006 / 2:17 PM
Chromium	0.002	5	**0.008**	**mg/L**	10/12/2006 / 2:17 PM
Lead	0.005	5	< 0.005	mg/L	10/12/2006 / 2:17 PM
Selenium	0.024	1	< 0.024	mg/L	10/12/2006 / 2:17 PM
Silver	0.002	5	< 0.002	mg/L	10/12/2006 / 2:17 PM

TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TFR Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	10/12/2006 / 1:17 AM

EPAHO111000871

- CERTIFICATE OF RESULTS -

MES Lab#: 6100192

Client Sample ID: Unknown Drums
Extended ID: Hydril McCarty Facility

Sample Collect Date: 10/9/2006 @ 11:03:00 AM **Sample Type:** Comp
Sample Receipt Date: 10/9/2006 @ 2:12:00 PM

BTEX Method: SW-846 8021B	MDL	Result	Units	Analyst: HDG Date / Time
Benzene	0.5	< 0.5	mg/kg	10/9/2006 / 6:35 PM
Toluene	0.5	< 0.5	mg/kg	10/9/2006 / 6:35 PM
Ethyl benzene	0.5	< 0.5	mg/kg	10/9/2006 / 6:35 PM
M+P-Xylene	0.5	< 0.5	mg/kg	10/9/2006 / 6:35 PM
o-Xylene	0.5	< 0.5	mg/kg	10/9/2006 / 6:35 PM

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

Holland D. Gilmore, Laboratory Director

Friday, October 13, 2006
Date

EPAHO111000872

6100192

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	CCV %REC
Benzene		< 0.005	87.6	90.3	3.04	107.6
Toluene		< 0.005	78.6	84.1	6.76	105.2
Ethylbenzene		< 0.005	95.4	100.6	5.31	103.6
m+p Xylene		< 0.005	87.6	92.6	5.55	101.8
o-Xylene		< 0.005	90.8	95.8	5.36	101.4

SURROGATE SPIKE RECOVERY FOR BTEX	% REC
4-Bromofluorobenzene	98.1

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	8.33	8.33	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	< 0.25	< 0.25	0.00

6100192
Page 2

QA/QC REPORT CONTINUED

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00

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
CCB=Continuing Calibration Blank
Rec=Percent Recovery

Signature: _____
Holland D. Gilmore / Laboratory Director

October 13, 2006

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 ENV. SVCS
COMPANY ADDRESS: 4904 Caruth Road
CITY Houston STATE TX ZIP 77021
CONTACT PERSON'S NAME: Sean Easton
CONTACT PERSON'S PHONE: (713) 416-4160 FAX #: (713) 676-1676

2

YOUR PROJECT NO.:	YOUR P.O. #:	YOUR PROJECT NAME:
McCarty	Hydril	Unknown Drums

PROJECT ADDRESS: McCarty Facility

3

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	**4** PARAMETERS FOR ANALYSIS: TCLP Metals	PCB	BTEX					NUMBER OF CONTAINERS	PRESERVATIONS	**5** REMARKS
Unknown Drums	Comp	10/9/06	1103 PM	Solid	X	X	X					1	ICE	

5 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.):
a. Sean Easton
b.

7

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
	10/9	2112 PM	

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)

METHOD OF PAYMENT:
SHIPPED BY: (Signature)
COURIER (Signature)
RECEIVED FOR MES BY: (Signature) DATE 10/9/06 TIME 1442

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
MES -2814764406
10/16/2006 14:15
EPAHO111000875

Noveon - Brecksville, OH 1864

Prof # 1864

EPAHO111000876

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/18/2006**

Dear **Jim Svadba**

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 # 1864

Generator: Noveon - Brecksville, OH
Address: 9911 Brecksville Road
Brecksville, OH 44141

Waste Information

Name of Waste: Coating additive
TCEQ Waste Code #: CESQ2092
Container Type:
Detailed Description of Process Generating Waste:
Unused product
Color: brown **Odor:** latex **pH:** 4-10
Physical State:
Incompatibilities: Alkali
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:	Noveon		
Address:	9911 Brecksville Rd		
City, State, Zip:	Cleveland, OH 44141		
Contact:	James Svadba	**Title:**	Supply Chain Mgr
Phone No:	216-447-5966	**Fax No:**	216-447-6315
24/hr Phone:			
U.S. EPA I.D. No:	~~D0039~~ TXCESQG		
State I.D.	CESQG	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Coating Additive
Detailed Description of Process Generating Waste: Unused Product

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

Color: Brown **Odor:** LATEX

Specific Gravity (water=1): 1 **Density:** 8.5 lbs/gal

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

Container Type:	☐	**Drum**	X	**Tote**	☐	**Truck**	☐ **Other (explain)**
Container Size:		____		250gal		____	____

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☒ **Yearly**
Number of Units (containers): 15 **Other:** ____
Texas State Waste Code No: CESQ2092
Proper U.S. DOT Shipping Name: Non DOT Regulated Material (Coating Additive)
Class: N/A **UN/NA:** N/A **PG:** N/A **RQ:** N/A

Flash Point >200F	**pH** 4-10	**Reactive Sulfides** N/A mg/l	**Reactive Cyanides** N/A mg/l	**Solids** <2 %
Oil&Grease <100 mg/l	**TOC** 10000 mg/l	**Zinc** N/A mg/l	**Copper** N/A mg/l	**Nickel** N/A mg/l

EPAHO111000878

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water		75%
Butyl Cellosolve		<2%
Wax Emulsion		23%

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~~ Alkalis

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: ___

} SEE MSDS

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:** 10/16/06

Printed Name/Title: James Stecker Supply Chain Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 10-17-06 (Approved) Rejected _____ OL

Approval Number: 1864 _____

EPAHO111000879

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES x 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

EPAHO111000880

(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.

EPAHO111000881

Material Safety Data Sheet
AQUASLIP (TM) 942

Prepared according to 29CFR 1910.1200.

1	Chemical Product and Company Identification

Lubrizol Limited
Dock Road South
Bromborough
Wirral
Merseyside CH62 4SH
Tel: (00 44) 151 645 8080

Product Trade Name	AQUASLIP (TM) 942
CAS Number	Not applicable for mixtures.
Synonyms	None.
Generic Chemical Name	Mixture.
Product Type	Coatings Additive.
Preparation/Revision Date	16 February 2006
Transportation Emergency Phone No.	(CHEMTREC) 1-800-424-9300, Outside the U.S. (703) 527-3887
MSDS No.	13920842-2013212-0026690-811103

2	Hazards Identification

Appearance	Tan liquid.
Odor	Mild
Principal Hazards	**WARNING.** • **HARMFUL IF INHALED.** • **HARMFUL IF ABSORBED THROUGH SKIN.** • **COMPONENT(S) KNOWN TO CAUSE CHRONIC HUMAN HEALTH EFFECTS.** • **MAY CAUSE EYE IRRITATION.** • **MAY CAUSE SKIN IRRITATION.**
Target Organs:	Blood, Central nervous system, Kidney, Liver

EPAHO111000882

This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

See Section 11 for complete health hazard information.

3	Composition/Information on Ingredients

Hazardous Ingredients

Comp	CAS No.	Percentage (by wt.)	Carcinogen
Butyl cellosolve	111-76-2	From 0.5 to 1.5 percent	N/E

(N/E) - None established

4	First Aid Measures

Eyes	Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.
Skin	Wash immediately with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation	Remove exposed person to fresh air if adverse effects are observed.
Oral	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
Additional Information	Note to physician: Treat symptomatically.

5	Fire Fighting Measures

Flash Point	Not applicable.
Extinguishing Media	Not applicable.
Firefighting Procedures	Not applicable.
Unusual Fire & Explosion Hazards	Material will not burn.

6	Accidental Release Measures

Spill Procedures	Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

7	Handling and Storage

EPAHO111000883

Pumping Temperature	Not determined.
Maximum Handling Temperature	Not determined.
Handling Procedures	Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
Maximum Storage Temperature	Not determined.
Storage Procedures	No special storage precautions required.
Loading Temperature	Not determined.

8	Exposure Controls/Personal Protection

Exposure Limits

	Exposure Guidelines					
	OSHA		ACGIH		Other	
Comp	TWA	STEL	TWA	STEL	TWA	STEL
Butyl cellosolve	50 ppm (s)	N/E	20 ppm	N/E	N/E	N/E

(s) - Skin exposure
(p) - Proposed limit
(c) - Ceiling exposure
(l) - Recommended exposure limit
(u) - Supplier recommended exposure limit
(N/E) - None established

Other Exposure Limits	None known.
Engineering Controls	Use local exhaust ventilation to control mists or vapors.
Gloves Procedures	Use nitrile or neoprene gloves.
Eye Protection	Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.
Respiratory Protection	Use NIOSH/MSHA approved full face respirator with a combination organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded.
Clothing Recommendation	Long sleeve shirt is recommended. Use nitrile rubber boots when necessary to avoid contaminating shoes.

9	Physical and Chemical Properties

Flash Point	Not applicable.
Upper Flammable Limit	Not determined.
Lower Flammable Limit	Not determined.

Autoignition Point	Not determined.
Explosion Data	Material does not have explosive properties.
Vapor Pressure	Not determined.
pH	Not determined.
Specific Gravity	1 (25 °C)
Bulk Density	Not determined.
Water Solubility	Soluble.
Percent Solid	Not determined.
Percent Volatile	Unknown.
Percent VOC	Not determined.
Vapor Density	Not determined.
Evaporation Rate	Not determined.
Odor	Mild
Appearance	Tan liquid.
Viscosity	Unknown.
Odor Threshold	Unknown.
Boiling Point	Not determined.
Pour Point Temperature	Not determined.
Melting / Freezing Point	Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10	**Stability and Reactivity**

Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.
Incompatibility	Alkalis.
Polymerization	Will not occur.
Thermal Decomposition	Thermal decomposition and combustion are not expected to occur except under extreme conditions.
Conditions to Avoid	Not determined.

11	**Toxicological Information**

-- ACUTE EXPOSURE --

Eye Irritation	Weak to moderate eye irritant. Does not meet Canadian D2B or EU R36 criteria. Based on data from components and similar materials.

Skin Irritation	May cause skin irritation, based on data from components or similar materials. Not expected to meet EU R38 criteria. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Respiratory Irritation	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components and similar materials.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials. Skin absorption of components of this material may cause systemic effects; note toxicity from other sections.
Inhalation Toxicity	Not expected to be a toxic inhalation hazard. Based on data available from components or similar materials. High concentrations may cause headaches, dizziness, weakness, irritability and other behavioral changes, nausea, and vomiting.
Oral Toxicity	The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials. Ingestion of this material may cause headache, dizziness, uncoordination, and general weakness. Ingestion may cause red blood cell hemolysis and possible liver and kidney injury.
Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Chronic Toxicity	Repeated overexposure to butyl cellosolve may cause hemolysis of the red blood cells leading to possible liver and kidney damage.
Carcinogenicity	The National Toxicology Program (NTP) completed a two year inhalation chronic toxicity/carcinogenicity study that indicated butyl cellosolve has some evidence of carcinogenic activity in male and female mice, equivocal evidence in female rats and no evidence in male rats. The relevance of this data to human workplace exposure has not been established.
Mutagenicity	Results of in-vivo mutagenicity tests for butyl cellosolve have been negative. Results of in-vitro mutagenicity tests have been inconclusive.
Reproductive Toxicity	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity	In animal teratology studies for butyl cellosolve, maternal and embryo lethality were observed at exposures of 300 ppm, and maternal toxicity and embryo toxicity were observed at exposures of 100-200 ppm. These studies therefore do not establish a risk of birth defects in humans.

-- ADDITIONAL INFORMATION --

Other	No other health hazards known.

12	**Ecological Information**

-- ENVIRONMENTAL TOXICITY --

EPAHO111000886

Freshwater Fish Toxicity	Not determined.
Freshwater Invertebrates Toxicity	Not determined.
Algal Inhibition	Not determined.
Saltwater Fish Toxicity	Not determined.
Saltwater Invertebrates Toxicity	Not determined.
Bacteria Toxicity	Not determined.
Miscellaneous Toxicity	Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation	Adequate data is not available to estimate the biodegradation potential of this material.
Bioaccumulation	25% or greater of the components display no potential to bioconcentrate.
Soil Mobility	Not determined.

13	Disposal Consideration

Waste Disposal	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

14	Transport Information

ICAO/IATA (US)	Not regulated.
ICAO/IATA (International)	Not regulated.
IMDG	Not regulated.
IMDG EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFAG	Not applicable.
IMO Marine Vessel	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
USCG Compatibility	Not determined.
U.S. DOT Bulk	Not regulated.
U.S. DOT Non-Bulk	Not regulated.
DOT NAERG	Not applicable.
TDG Bulk	Not regulated.
TDG Non-Bulk	Not regulated.
Mexico	Not regulated.
Mexico Non-Bulk	Not regulated.
Bulk Quantity	85000 liters, 22457 gal.
Non-Bulk Quantity	207.8 liters, 55 gal.

Review classification requirements before shipping materials at elevated temperatures.

15	Regulatory Information

-- Global Chemical Inventories --

USA All components of this material are on the US TSCA Inventory or are exempt.

Other TSCA Reg. Section 8d (Ethanol, 2-butoxy-).

EU All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.

Japan May require notification in Japan.

Australia This product requires notification before sale in Australia.

Canada All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

Switzerland All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Korea All components are in compliance in Korea.

Philippines This product requires notification before sale in the Philippines.

China All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst. This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

SARA Section 313 1.2 % Glycol ether

SARA 311 Classifications

Acute Hazard	No
Chronic Hazard	Yes
Fire Hazard	No
Reactivity Hazard	No

CERCLA Hazardous Substances None known.

FDA Approval Not applicable.

-- State Regulations --

Cal. Prop. 65 This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: < 1 ppm Ethylene oxide, CAS no. 75-21-8 < 1 ppm Acetaldehyde, CAS no. 75-07-0 < 1 ppm 1, 4 Dioxane, CAS no. 123-91-1 < 1 ppm Formaldehyde, CAS no. 50-00-0

-- Product Registrations --

U.S. Fuel Registration Not applicable.

EPAHO111000888

U.S. Dept of Agriculture	This product has not been filed with the USDA to support H2 approvals.
NSF Nonfood Compounds Registration	Not determined.
Finnish Registration Number	Not Registered
Swedish Registration Number	Not Registered
Norwegian Registration Number	Not Registered
Danish Registration Number	Not Registered
Swiss Registration Number	Not Registered
Italian Registration Number	Not Registered
Korean Registration Number	Not Registered
New Zealand Registration Number	Not Registered

-- Other / International --

TDG Regulated Limit.	None known.
U.S. Tariff Heading Number	3811.29.00.00
Schedule B Number	3811.29.0000

16	Other Information

US NFPA Codes

Health	Fire	Reactivity	Special
1	0	0	N/E

(N/E) - None established

HMIS Codes

Health	Fire	Reactivity
1 *	0	0

Precautionary Labels **WARNING.**

- **HARMFUL IF INHALED.**
- **HARMFUL IF ABSORBED THROUGH SKIN.**
- **COMPONENT(S) KNOWN TO CAUSE CHRONIC HUMAN HEALTH EFFECTS.**
- **MAY CAUSE EYE IRRITATION.**
- **MAY CAUSE SKIN IRRITATION.**

Revision Indicators Section: 15 SARA SECTION 311/312 Changed: 16 February 2006

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of The Lubrizol Corporation's knowledge; however, The Lubrizol Corporation makes no warranty whatsoever, expressed or implied of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from use thereof. The Lubrizol Corporation assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

EPAHO111000890

REXAM BEVERAGE 1865

Prof # 1865

EPAHO111000891

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/18/2006**

Dear **Mark Roman**

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 # 1865

Generator: Rexam Beverage Can
Address: 8501 East FRWY
Houston, TX 77025

Waste Information

Name of Waste: Non-hazardous groundwater
TCEQ Waste Code #: 00151191
Container Type:
Detailed Description of Process Generating Waste:
Groundwater collected from a former aluminum can manufacturing facility for Phase II environmental work.
Color: varies **Odor:** none **pH:** 5-9
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.

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CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company:	Rexam Beverage Can Company		
Address:	8501 East Freeway		
City, State, Zip:	Houston, TX 77029		
Contact:	Mark Roman	**Title:**	Agent
Phone No:	609-208-1885	**Fax No:**	609-208-1889
24/hr Phone:	609-208-1885 or 713-676-1460 CES		
U.S. EPA I.D. No:	TX990797078		
State I.D.	30418	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Envision Environmental Inc		
Address:	11 Sleepy Hollow Ct.		
City, State, Zip:	Allentown, NJ 08501		
Contact:	Mark Roman	**Title:**	Agent
Phone No:	609-208-1885	**Fax No:**	609-208-1889

SECTION 3: General Description of the Waste

Name of Waste: Non Hazardous Groundwater
Detailed Description of Process Generating Waste: Groundwater collected from a former aluminum can manufacturing facility for Phase II environmental work

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

Color: varies **Odor:** none

Specific Gravity (water=1): 1-1.1 **Density:** 8.3 lbs/gal

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

Container Type:	☒	**Drum**	☐ **Tote**	☐	**Truck**	☐	**Other (explain)**
Container Size:		55 g	____		____		____

Frequency: ☐ **Weekly** ☐ **Monthly** ☒ **Quarterly** ☐ **Yearly**
Number of Units (containers): 7 **Other:** ____
Texas State Waste Code No: 00151191
Proper U.S. DOT Shipping Name: Non RCRA Non DOT Regulated Groundwater
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	5-9	0mg/l	0mg/l	0-5%

Oil&Grease	TOC	Zinc	Copper	Nickel
NAmg/l	NAmg/l	0mg/l	0mg/l	0mg/l

EPAHO111000893

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Soil Sand and Rock	0-5	%
Groundwater	95-100	%

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.
Total 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: 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:** 09-20-06

Printed Name/Title: MarkRoman/Agent

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: IL

Date: 10-18-06 Approved Rejected _____

Approval Number: 1865 _____

EPAHO111000894

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

EPAHO111000895

(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.

EPAHO111000896

e-Lab Analytical, Inc.

Date: *April 12, 2006*

CLIENT: MACTEC Engineering & Consulting, Inc. **Client Sample ID:** MW-6
Work Order: 0603292 **Collection Date:** 3/17/2006 10:25:00 AM
Project: 4935040018-02 Former Rexam Facility
Lab ID: 0603292-05 **Matrix:** WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
PCBS			Method: SW8082		Prep: SW3510B / 3/21/06		Analyst: JLJ
Aroclor 1016	U		0.19	0.50	µg/L	1	3/22/2006
Aroclor 1221	U		0.19	0.50	µg/L	1	3/22/2006
Aroclor 1232	U		0.19	0.50	µg/L	1	3/22/2006
Aroclor 1242	U		0.19	0.50	µg/L	1	3/22/2006
Aroclor 1248	U		0.19	0.50	µg/L	1	3/22/2006
Aroclor 1254	U		0.19	0.50	µg/L	1	3/22/2006
Aroclor 1260	U		0.10	0.50	µg/L	1	3/22/2006
Surr: Decachlorobiphenyl	*94.6*			*52.2-138*	*%REC*	1	3/22/2006
Surr: Tetrachloro-m-xylene	*84.1*			*50.5-143*	*%REC*	1	3/22/2006
LOW-LEVEL TEXAS TPH			Method: TX1005		Prep: TX1005PR / 3/20/06		Analyst: JBA
nC6 to nC12	U		0.20	0.50	mg/L	1	3/23/2006
>nC12 to nC28	U		0.20	0.50	mg/L	1	3/23/2006
>nC28 to nC35	U		0.20	0.50	mg/L	1	3/23/2006
Total Petroleum Hydrocarbon	U		0.20	0.50	mg/L	1	3/23/2006
Surr: 2-Fluorobiphenyl	*88.4*			*70-130*	*%REC*	1	3/23/2006
Surr: Trifluoromethyl benzene	*87.7*			*70-130*	*%REC*	1	3/23/2006
MERCURY, TOTAL			Method: SW7470		Prep: SW7470 / 3/27/06		Analyst: JCJ
Mercury	U		0.000042	0.000200	mg/L	1	3/28/2006
MERCURY, DISSOLVED			Method: E245.1		Prep: SW7470 / 3/27/06		Analyst: JCJ
Mercury	U		0.000042	0.000200	mg/L	1	3/28/2006
ICP METALS, DISSOLVED			Method: SW6020		Prep: SW3005A / 3/21/06		Analyst: SA
Arsenic	0.00330	J	0.0018	0.00500	mg/L	1	3/23/2006
Barium	0.101		0.00060	0.00500	mg/L	1	3/23/2006
Cadmium	U		0.00015	0.00100	mg/L	1	3/23/2006
Chromium	0.000692	J	0.00060	0.00200	mg/L	1	3/23/2006
Lead	U		0.00020	0.00500	mg/L	1	3/23/2006
Selenium	U		0.0017	0.00500	mg/L	1	3/23/2006
Silver	U		0.00020	0.00500	mg/L	1	3/23/2006
ICP METALS, TOTAL			Method: SW6020		Prep: SW3010A / 3/21/06		Analyst: ALR
Arsenic	U		0.0018	0.00500	mg/L	1	3/23/2006
Barium	0.0999		0.00060	0.00500	mg/L	1	3/23/2006
Cadmium	U		0.00015	0.00200	mg/L	1	3/23/2006
Chromium	0.000894	J	0.00060	0.00500	mg/L	1	3/23/2006
Lead	0.000475	J	0.00020	0.00500	mg/L	1	3/23/2006
Selenium	U		0.0017	0.00500	mg/L	1	3/23/2006
Silver	U		0.00020	0.00500	mg/L	1	3/23/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

EPAHO111000897

e-Lab Analytical, Inc.

Date: *April 12, 2006*

CLIENT:	MACTEC Engineering & Consulting, Inc.	**Client Sample ID:**	MW-6
Work Order:	0603292	**Collection Date:**	3/17/2006 10:25:00 AM
Project:	4935040018-02 Former Rexam Facility		
Lab ID:	0603292-05	**Matrix:**	WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS		Method: SW8260					Analyst: PC
1,1,1-Trichloroethane	U		0.60	5.0	µg/L	1	3/22/2006
1,1,2,2-Tetrachloroethane	U		1.5	5.0	µg/L	1	3/22/2006
1,1,2-Trichloroethane	5.6		0.50	5.0	µg/L	1	3/22/2006
1,1-Dichloroethane	270		12	120	µg/L	25	3/23/2006
1,1-Dichloroethene	1,000		16	120	µg/L	25	3/23/2006
1,2-Dichloroethane	5.6		0.50	5.0	µg/L	1	3/22/2006
1,2-Dichloropropane	U		0.70	5.0	µg/L	1	3/22/2006
2-Butanone	U		0.80	10	µg/L	1	3/22/2006
2-Hexanone	U		2.5	10	µg/L	1	3/22/2006
4-Methyl-2-pentanone	U		1.6	10	µg/L	1	3/22/2006
Acetone	U		2.5	10	µg/L	1	3/22/2006
Benzene	U		0.60	5.0	µg/L	1	3/22/2006
Bromodichloromethane	U		0.50	5.0	µg/L	1	3/22/2006
Bromoform	U		0.80	5.0	µg/L	1	3/22/2006
Bromomethane	U		0.50	5.0	µg/L	1	3/22/2006
Carbon disulfide	U		0.70	10	µg/L	1	3/22/2006
Carbon tetrachloride	U		0.60	5.0	µg/L	1	3/22/2006
Chlorobenzene	U		0.50	5.0	µg/L	1	3/22/2006
Chloroethane	U		0.60	5.0	µg/L	1	3/22/2006
Chloroform	U		0.50	5.0	µg/L	1	3/22/2006
Chloromethane	U		0.50	5.0	µg/L	1	3/22/2006
cis-1,2-Dichloroethene	25		0.60	5.0	µg/L	1	3/22/2006
cis-1,3-Dichloropropene	U		0.50	5.0	µg/L	1	3/22/2006
Dibromochloromethane	U		0.50	5.0	µg/L	1	3/22/2006
Dichloromethane	U		0.60	10	µg/L	1	3/22/2006
Ethylbenzene	U		0.50	5.0	µg/L	1	3/22/2006
Methyl tert-butyl ether	5.6		0.50	5.0	µg/L	1	3/22/2006
Styrene	U		0.50	5.0	µg/L	1	3/22/2006
Tetrachloroethene	1.8	J	0.50	5.0	µg/L	1	3/22/2006
Toluene	U		0.50	5.0	µg/L	1	3/22/2006
trans-1,2-Dichloroethene	U		0.60	5.0	µg/L	1	3/22/2006
trans-1,3-Dichloropropene	U		0.50	5.0	µg/L	1	3/22/2006
Trichloroethene	25		0.70	5.0	µg/L	1	3/22/2006
Vinyl chloride	140		0.60	2.0	µg/L	1	3/22/2006
Xylenes, Total	U		1.5	15	µg/L	1	3/22/2006
Surr: 1,2-Dichloroethane-d4	*89.6*			*70-125*	*%REC*	1	3/22/2006
Surr: 1,2-Dichloroethene-d4	*91.2*			*70-125*	*%REC*	25	3/23/2006
Surr: 4-Bromofluorobenzene	*107*			*72.4-126*	*%REC*	1	3/22/2006
Surr: 4-Bromofluorobenzene	*87.5*			*72.4-125*	*%REC*	25	3/23/2006

Qualifiers:

U - Analyzed for but Not Detected

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

P - Dual Column results RPD > 40%

E - Value above quantitation range

H - Analyzed outside of Hold Time

EPAHO111000898

e-Lab Analytical, Inc.

Date: *April 12, 2006*

CLIENT:	MACTEC Engineering & Consulting, Inc.	**Client Sample ID:**	MW-6
Work Order:	0603292	**Collection Date:**	3/17/2006 10:25:00 AM
Project:	4935040018-02 Former Rexam Facility		
Lab ID:	0603292-05	**Matrix:**	WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	*103*			*71.2-125*	*%REC*	1	3/22/2006
Surr: Dibromofluoromethane	*84.4*			*71.2-125*	*%REC*	25	3/23/2006
Surr: Toluene-d8	*112*			*75-125*	*%REC*	1	3/22/2006
Surr: Toluene-d8	*96.0*			*75-125*	*%REC*	25	3/23/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: R36286 Instrument ID VOA2 Method: SW8260

MSD Sample ID: 0603328-01AMSD Units: µg/L Analysis Date: 03/23/06 16:08

Client ID: Run ID: VOA2_060323A SeqNo: 828014 Prep Date: DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	44.54	5.0	50	0	89.1	79.6-120	49.26	10.1	20	
1,1,2,2-Tetrachloroethane	47.51	5.0	50	0	95	76.9-121	48.09	1.21	20	
1,1,2-Trichloroethane	48.15	5.0	50	0	96.3	80-120	48.4	0.516	20	
1,1-Dichloroethane	40.44	5.0	50	0	80.9	74.2-122	52.59	26.1	20	R
1,1-Dichloroethene	45.07	5.0	50	0.147	77.8	75.8-122	58.63	26.2	20	R
1,2-Dichloroethane	45.97	5.0	50	0	91.9	78.8-120	46.61	1.38	20	
1,2-Dichloropropane	48.66	5.0	50	0	97.3	80-120	49.27	1.26	20	
Benzene	50.09	5.0	50	0	100	80-120	49.18	1.84	20	
Bromodichloromethane	47.32	5.0	50	0	94.6	80-120	46.78	1.16	20	
Chlorobenzene	47.76	5.0	50	0	95.5	80-120	47.65	0.231	20	
Chloroethane	41.13	5.0	50	0	82.3	74.2-120	53.06	25.4	20	R
Chloroform	39.07	5.0	50	0	78.1	80-120	51.24	26.9	20	SR
Chloromethane	38.3	5.0	50	0	76.6	63.5-133	49.39	25.3	20	R
cis-1,2-Dichloroethene	39.83	5.0	50	1.109	77.4	80-120	51.85	26.2	20	SR
cis-1,3-Dichloropropene	47.8	5.0	50	0	95.6	80-120	47.8	0.00314	20	
Dibromochloromethane	49.05	5.0	50	0	98.1	80-120	48.17	1.81	20	
Dichloromethane	40.35	10	50	0	80.7	74.7-120	54.01	29	20	R
Ethylbenzene	49.15	5.0	50	0	98.3	80-120	48.8	0.723	20	
Tetrachloroethene	48.77	5.0	50	1.304	94.9	80-120	47.6	2.42	20	
Toluene	48.96	5.0	50	0	97.9	80-120	48.33	1.31	20	
trans-1,2-Dichloroethene	40.35	5.0	50	0	80.7	75.9-122	53	27.1	20	R
trans-1,3-Dichloropropene	48.44	5.0	50	0	96.9	80-120	47.85	1.22	20	
Trichloroethene	55.88	5.0	50	6.448	98.9	80-120	55.83	0.0913	20	
Vinyl chloride	39.57	2.0	50	0	79.1	76.2-121	51.23	25.7	20	R
Xylenes, Total	152.4	15	150	0	102	80-120	152.8	0.267	20	
Surr: 1,2-Dichloroethane-d4	*36.82*	5.0	*50*	0	*73.6*	*70-125*	47.61	*25.6*	*20*	*R*
Surr: 4-Bromofluorobenzene	*47.06*	5.0	*50*	0	*94.1*	*72.4-125*	45.16	*4.12*	*20*	
Surr: Dibromofluoromethane	*45.42*	5.0	*50*	0	*90.8*	*71.2-125*	45.83	*0.896*	*20*	
Surr: Toluene-d8	*47.14*	5.0	*50*	0	*94.3*	*75-125*	47.11	*0.0821*	*20*	

The following samples were analyzed in this batch: 0603292-05A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reference analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000900

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17101 Instrument ID Mercury Method: SW7470

MBLK Sample ID: GBLKW3-032706 Units: mg/L Analysis Date: 03/28/06 14:29
Client ID: Run ID: MERCURY_060328C SeqNo: 829801 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

LCS Sample ID: GLCSW3-032706 Units: mg/L Analysis Date: 03/28/06 14:34
Client ID: Run ID: MERCURY_060328C SeqNo: 829802 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00472	0.00020	0.005	0	94.4	83-115		0		

LCSD Sample ID: GLCSDW3-032706 Units: mg/L Analysis Date: 03/28/06 14:36
Client ID: Run ID: MERCURY_060328C SeqNo: 829803 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00464	0.00020	0.005	0	92.8	83-115		0		

MS Sample ID: 0603318-01DMS Units: mg/L Analysis Date: 03/28/06 14:47
Client ID: Run ID: MERCURY_060328C SeqNo: 829806 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00463	0.00020	0.005	0.000012	92.4	83-115		0		

MSD Sample ID: 0603318-01DMSD Units: mg/L Analysis Date: 03/28/06 14:49
Client ID: Run ID: MERCURY_060328C SeqNo: 829807 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00469	0.00020	0.005	0.000012	93.6	83-115	0.00463	1.29	20	

DUP Sample ID: 0603318-01DDUP Units: mg/L Analysis Date: 03/28/06 14:45
Client ID: Run ID: MERCURY_060328C SeqNo: 829805 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020	0	0	0	0-0	0.000012	0	20	

The following samples were analyzed in this batch:

0603292-01D	0603292-02D	0603292-03D
0603292-04D	0603292-05D	0603292-06D
0603292-07D		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reported analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000901

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 493504001 8-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17042 Instrument ID ICP7500 Method: SW6020 (Dissolve)

MBLK Sample ID: MBLKW3-032106 Units: mg/L Analysis Date: 03/22/06 4:22
Client ID: Run ID: ICP7500_060322A SeqNo: 826310 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0050								
Barium	0.0006008	0.0050								J
Cadmium	0.0001732	0.0010								J
Chromium	U	0.0020								
Lead	U	0.0050								
Selenium	U	0.0050								
Silver	U	0.0050								

LCS Sample ID: MLCSW3-032106 Units: mg/L Analysis Date: 03/22/06 4:28
Client ID: Run ID: ICP7500_060322A SeqNo: 826312 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05338	0.0050	0.05	0	107	80-120	0			
Barium	0.0479	0.0050	0.05	0	95.8	80-120	0			
Cadmium	0.05259	0.0010	0.05	0	105	80-120	0			
Chromium	0.04378	0.0020	0.05	0	87.6	80-120	0			
Lead	0.04406	0.0050	0.05	0	88.1	80-120	0			
Selenium	0.05973	0.0050	0.05	0	119	80-120	0			
Silver	0.04845	0.0050	0.05	0	96.9	80-120	0			

MS Sample ID: 0603292-01CMS Units: mg/L Analysis Date: 03/23/06 1:04
Client ID: MW-2 Run ID: ICP7500_060322B SeqNo: 826976 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05754	0.0050	0.05	0.00586	103	75-125	0			
Barium	0.2055	0.0050	0.05	0.1652	80.6	75-125	0			
Cadmium	0.04992	0.0010	0.05	-0.00001435	99.9	75-125	0			
Chromium	0.04485	0.0020	0.05	0.003001	83.3	75-125	0			
Selenium	0.05276	0.0050	0.05	0.00111	103	75-125	0			
Silver	0.03678	0.0050	0.05	0.0001121	77.3	75-125	0			

MS Sample ID: 0603292-01CMS Units: mg/L Analysis Date: 03/23/06 17:01
Client ID: MW-2 Run ID: ICP7500_060323A SeqNo: 827758 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.04767	0.0050	0.05	0.0001106	95.1	75-125	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reference analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000902

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17042 Instrument ID ICP7500 Method: SW6020 (Dissolve)

MSD Sample ID: 0603292-01CMSD Units: mg/L Analysis Date: 03/23/06 1:17
Client ID: MW-2 Run ID: ICP7500_060322B SeqNo: 826977 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05897	0.0050	0.05	0.00586	102	75-125	0.05754	0.996	25	
Barium	0.2125	0.0050	0.05	0.1652	94.6	75-125	0.2055	3.35	25	
Cadmium	0.04928	0.0010	0.05	-0.00001435	98.6	75-125	0.04992	1.29	25	
Chromium	0.04467	0.0020	0.05	0.003001	83.3	75-125	0.04465	0.0448	25	
Selenium	0.05282	0.0050	0.05	0.00111	103	75-125	0.05276	0.114	25	
Silver	0.03807	0.0050	0.05	0.0001121	75.9	75-125	0.03878	1.85	25	

MSD Sample ID: 0603292-01CMSD Units: mg/L Analysis Date: 03/23/06 17:07
Client ID: MW-2 Run ID: ICP7500_060323A SeqNo: 827759 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.04768	0.0050	0.05	0.0001106	95.1	75-125	0.04779	0.23	25	

DUP Sample ID: 0603292-01CDUP Units: mg/L Analysis Date: 03/23/06 0:58
Client ID: MW-2 Run ID: ICP7500_060322B SeqNo: 826975 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.00517	0.0050	0	0	0	0-0	0.00586	12.5	25	
Barium	0.1609	0.0050	0	0	0	0-0	0.1652	2.64	25	
Cadmium	U	0.0010	0	0	0	0-0	-0.00001435	0	25	
Chromium	U	0.0020	0	0	0	0-0	0.003001	0	25	
Selenium	U	0.0050	0	0	0	0-0	0.00111	0	25	
Silver	0.0002374	0.0050	0	0	0	0-0	0.0001121	0	25	J

DUP Sample ID: 0603292-01CDUP Units: mg/L Analysis Date: 03/23/06 16:55
Client ID: MW-2 Run ID: ICP7500_060323A SeqNo: 827757 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.0003626	0.0050	0	0	0	0-0	0.0001106	0	25	J

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reference analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000903

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 493504001 8-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17042 Instrument ID ICP7500 Method: SW6020 (Dissolve)

PDS Sample ID: 0603292-01CBS Units: mg/L Analysis Date: 03/23/06 1:23
Client ID: MW-2 Run ID: ICP7500_060322B SeqNo: 826978 Prep Date: DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1137	0.0050	0.1	0.00586	108	75-125	0			
Barium	0.2653	0.0050	0.1	0.1652	100	75-125	0			
Cadmium	0.1044	0.0010	0.1	-0.00001435	104	75-125	0			
Chromium	0.09287	0.0020	0.1	0.003001	89.7	75-125	0			
Selenium	0.1097	0.0050	0.1	0.00111	109	75-125	0			
Silver	0.06861	0.0050	0.1	0.0001121	68.5	75-125	0			S

PDS Sample ID: 0603292-01CBS Units: mg/L Analysis Date: 03/23/06 17:13
Client ID: MW-2 Run ID: ICP7500_060323A SeqNo: 827760 Prep Date: DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.1026	0.0050	0.1	0.0001106	102	75-125	0			

SD Sample ID: 0603292-01C DIL Units: mg/L Analysis Date: 03/23/06 1:29
Client ID: MW-2 Run ID: ICP7500_060322B SeqNo: 826979 Prep Date: DF: 5

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.025	0	0	0	0-0	0.00586	0	10	
Barium	0.1575	0.025	0	0	0	0-0	0.1652	4.66	10	
Cadmium	U	0.0050	0	0	0	0-0	-0.00001435	0	10	
Chromium	0.003921	0.010	0	0	0	0-0	0.003001	0	10	J
Selenium	0.00939	0.025	0	0	0	0-0	0.00111	0	10	J
Silver	U	0.025	0	0	0	0-0	0.0001121	0	10	

SD Sample ID: 0603292-01C DIL Units: mg/L Analysis Date: 03/23/06 17:19
Client ID: MW-2 Run ID: ICP7500_060323A SeqNo: 827761 Prep Date: DF: 5

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	U	0.025	0	0	0	0-0	0.0001106	0	10	

The following samples were analyzed in this batch:

0603292-01C	0603292-02C	0603292-03C
0603292-04C	0603292-05C	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reference analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000904

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17100 Instrument ID Mercury Method: E245.1 (Dissolve)

MBLK Sample ID: GBLKW2-032706 Units: mg/L Analysis Date: 03/28/06 13:18
Client ID: Run ID: MERCURY_060328B SeqNo: 829780 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

LCS Sample ID: GLCSW2-032706 Units: mg/L Analysis Date: 03/28/06 13:28
Client ID: Run ID: MERCURY_060328B SeqNo: 829781 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00444	0.00020	0.005	0	88.8	75-125	0			

LCSD Sample ID: GLCSDW2-032706 Units: mg/L Analysis Date: 03/28/06 13:44
Client ID: Run ID: MERCURY_060328B SeqNo: 829782 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00481	0.00020	0.005	0	96.2	75-125	0.00444	8	20	

MS Sample ID: 0603292-03CMS Units: mg/L Analysis Date: 03/28/06 13:52
Client ID: MW-4 Run ID: MERCURY_060328B SeqNo: 829785 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00469	0.00020	0.005	0.000031	93.2	75-125	0			

MSD Sample ID: 0603292-03CMSD Units: mg/L Analysis Date: 03/28/06 13:54
Client ID: MW-4 Run ID: MERCURY_060328B SeqNo: 829786 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00476	0.00020	0.005	0.000031	94.6	75-125	0.00469	1.48	20	

DUP Sample ID: 0603292-03CDUP Units: mg/L Analysis Date: 03/28/06 13:51
Client ID: MW-4 Run ID: MERCURY_060328B SeqNo: 829784 Prep Date: 3/27/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020	0	0	0	0-0	0.000031	0	20	

The following samples were analyzed in this batch:

0603292-01C	0603292-02C	0603292-03C
0603292-04C	0603292-05C	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reference analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000905

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17041 Instrument ID ICPMS02 Method: SW6020

MBLK Sample ID: MBLKW2-032106 Units: mg/L Analysis Date: 03/23/06 2:09
Client ID: Run ID: ICPMS02_060322A SeqNo: 826890 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0050								
Barium	U	0.0050								
Cadmium	U	0.0020								
Chromium	U	0.0050								
Lead	U	0.0050								
Selenium	U	0.0050								
Silver	U	0.0050								

LCS Sample ID: MLCSW2-032106 Units: mg/L Analysis Date: 03/23/06 2:15
Client ID: Run ID: ICPMS02_060322A SeqNo: 826892 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05075	0.0050	0.05	0	102	80-121	0			
Barium	0.05307	0.0050	0.05	0	106	79.8-119	0			
Cadmium	0.05077	0.0020	0.05	0	102	79.1-119	0			
Chromium	0.04603	0.0050	0.05	0	92.1	79.3-121	0			
Lead	0.0499	0.0050	0.05	0	99.8	80-118	0			
Selenium	0.05186	0.0050	0.05	0	104	79.2-118	0			
Silver	0.05142	0.0050	0.05	0	103	80-117	0			

MS Sample ID: 0603274-20CMS Units: mg/L Analysis Date: 03/23/06 3:21
Client ID: Run ID: ICPMS02_060322A SeqNo: 826910 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05274	0.0050	0.05	-0.00002467	106	80-121	0			
Barium	0.05398	0.0050	0.05	0.0000415	108	79.8-119	0			
Cadmium	0.0516	0.0020	0.05	-0.00005749	103	79.1-119	0			
Chromium	0.04757	0.0050	0.05	0.0004843	94.2	79.3-121	0			
Lead	0.05088	0.0050	0.05	0.00005789	102	80-118	0			
Selenium	0.05092	0.0050	0.05	0.00002389	102	79.2-118	0			
Silver	0.05407	0.0050	0.05	-0.0002435	109	80-117	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000906

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17041 Instrument ID ICPMS02 Method: SW6020

MSD Sample ID: 0603274-20CMSD Units: mg/L Analysis Date: 03/23/06 3:27
Client ID: Run ID: ICPMS02_060322A SeqNo: 826912 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05096	0.0050	0.05	-0.00002467	102	80-121	0.05274	3.43	15	
Barium	0.05133	0.0050	0.05	0.0000415	103	79.8-119	0.05398	5.03	15	
Cadmium	0.04973	0.0020	0.05	-0.00005749	99.6	79.1-119	0.0516	3.69	15	
Chromium	0.04597	0.0050	0.05	0.0004843	91	79.3-121	0.04757	3.42	15	
Lead	0.04944	0.0050	0.05	0.00005789	98.8	80-118	0.05088	2.87	15	
Selenium	0.05072	0.0050	0.05	0.00002389	101	79.2-118	0.05092	0.394	15	
Silver	0.05183	0.0050	0.05	-0.0002435	104	80-117	0.05407	4.23	15	

DUP Sample ID: 0603274-20CDUP Units: mg/L Analysis Date: 03/23/06 3:15
Client ID: Run ID: ICPMS02_060322A SeqNo: 826909 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0050	0	0	0	0-0	-0.00002467	0	25	
Barium	U	0.0050	0	0	0	0-0	0.0000415	0	25	
Cadmium	U	0.0020	0	0	0	0-0	-0.00005749	0	25	
Chromium	U	0.0050	0	0	0	0-0	0.0004843	0	25	
Lead	U	0.0050	0	0	0	0-0	0.00005789	0	25	
Selenium	U	0.0050	0	0	0	0-0	0.00002389	0	25	
Silver	U	0.0050	0	0	0	0-0	-0.0002435	0	25	

PDS Sample ID: 0603274-20CBS Units: mg/L Analysis Date: 03/23/06 3:33
Client ID: Run ID: ICPMS02_060322A SeqNo: 826914 Prep Date: DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1012	0.0050	0.1	0	101	75-125	0			
Barium	0.1023	0.0050	0.1	0	102	75-125	0			
Cadmium	0.1016	0.0020	0.1	0	102	75-125	0			
Chromium	0.09047	0.0050	0.1	0	90.5	75-125	0			
Lead	0.09735	0.0050	0.1	0	97.4	75-125	0			
Selenium	0.1	0.0050	0.1	0	100	75-125	0			
Silver	0.08694	0.0050	0.1	0	86.9	75-125	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000907

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17041 Instrument ID ICPMS02 Method: SW6020

SD Sample ID: 0603274-20C DIL Units: mg/L Analysis Date: 03/23/06 4:03

Client ID: Run ID: ICPMS02_060322A SeqNo: 826919 Prep Date: DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0050	0	0	0	0-0	-0.00002467	0	10	
Barium	U	0.0050	0	0	0	0-0	0.0000415	0	10	
Cadmium	U	0.0020	0	0	0	0-0	-0.00005749	0	10	
Chromium	U	0.0050	0	0	0	0-0	0.0004843	0	10	
Lead	U	0.0050	0	0	0	0-0	0.00005789	0	10	
Selenium	U	0.0050	0	0	0	0-0	0.00002389	0	10	
Silver	U	0.0050	0	0	0	0-0	-0.0002435	0	10	

The following samples were analyzed in this batch:

0603292-01D 0603292-02D 0603292-03D
0603292-04D 0603292-05D 0603292-06D
0603292-07D

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reference analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000908

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: 17038 Instrument ID FID-2 Method: TX1005

MBLK Sample ID: FBLKW2-060320 Units: mg/L Analysis Date: 03/22/06 8:15
Client ID: Run ID: FID-2_060320A SeqNo: 826258 Prep Date: 3/20/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	0.50								
>nC12 to nC28	U	0.50								
>nC28 to nC35	U	0.50								
Total Petroleum Hydrocarbon	U	0.50								
Surr: 2-Fluorobiphenyl	*3.561*	0	*5*	0	*71.2*	*70-130*		0		
Surr: Trifluoromethyl benzene	*3.737*	0	*5*	0	*74.7*	*70-130*		0		

LCS Sample ID: FLCSW2-060320 Units: mg/L Analysis Date: 03/22/06 9:54
Client ID: Run ID: FID-2_060320A SeqNo: 826259 Prep Date: 3/20/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	27.18	0.50	33.3	0	81.6	75-125		0		
>nC12 to nC28	25.88	0.50	33.3	0	77.7	75-125		0		
Surr: 2-Fluorobiphenyl	*3.505*	0	*5*	0	*70.1*	*70-130*		0		
Surr: Trifluoromethyl benzene	*4.877*	0	*5*	0	*97.5*	*70-130*		0		

LCSD Sample ID: FLCSDW2-060320 Units: mg/L Analysis Date: 03/22/06 9:33
Client ID: Run ID: FID-2_060320A SeqNo: 826260 Prep Date: 3/20/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	30.71	0.50	33.3	0	92.2	75-125	27.18	12.2	30	
>nC12 to nC28	28.35	0.50	33.3	0	85.1	75-125	25.88	9.14	30	
Surr: 2-Fluorobiphenyl	*4.733*	0	*5*	0	*94.7*	*70-130*	3.505	*29.8*	*30*	
Surr: Trifluoromethyl benzene	*5.473*	0	*5*	0	*109*	*70-130*	4.877	*11.5*	*30*	

MS Sample ID: 0603285-02BMS Units: mg/L Analysis Date: 03/22/06 10:51
Client ID: Run ID: FID-2_060320A SeqNo: 826262 Prep Date: 3/20/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	183.1	0.50	33.3	194.1	-33.1	75-125		0		SO
>nC12 to nC28	31.75	0.50	33.3	14.97	50.4	75-125		0		S
Surr: 2-Fluorobiphenyl	*3.807*	0	*5*	0	*76.1*	*70-130*		0		
Surr: Trifluoromethyl benzene	*4.717*	0	*5*	0	*94.3*	*70-130*		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reference analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000909

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

QC BATCH REPORT

Batch ID: **17038** Instrument ID **FID-2** Method: **TX1005**

MSD Sample ID: **0603285-02BMSD** Units: mg/L Analysis Date: **03/22/06 11:29**

Client ID: Run ID: **FID-2_060320A** SeqNo: **826263** Prep Date: **3/20/2006** DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	234	0.50	33.3	194.1	120	75-125	183.1	24.4	30	EO
>nC12 to nC28	34.75	0.50	33.3	14.97	59.4	75-125	31.75	9	30	S
Surr: 2-Fluorobiphenyl	*3.946*	0	*5*	0	*78.9*	*70-130*	3.807	*3.59*	*30*	
Surr: Trifluoromethyl benzene	*4.425*	0	*5*	0	*88.5*	*70-130*	4.717	*6.41*	*30*	

The following samples were analyzed in this batch: 0603292-01B 0603292-02B 0603292-03B 0603292-04B 0603292-05B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000910

e-Lab Analytical, Inc.

CLIENT: MACTEC Engineering & Consulting, Inc.
Work Order: 0603292
Project: 4935040018-02 Former Rexam Facility

Date: *Apr 12 2006*

QC BATCH REPORT

Batch ID: 17047 **Instrument ID** ECD_7 **Method:** SW8082

MBLK Sample ID: PBLKW1-060321 Units: µg/L Analysis Date: 03/22/06 1:17
Client ID: Run ID: ECD_7_060321B SeqNo: 826810 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	0.50								
Aroclor 1221	U	0.50								
Aroclor 1232	U	0.50								
Aroclor 1242	U	0.50								
Aroclor 1248	U	0.50								
Aroclor 1254	U	0.50								
Aroclor 1260	U	0.50								
Surr: Decachlorobiphenyl	0.2343	0.050	0.2	0	*117*	*52.2-138*	0			
Surr: Tetrachloro-m-xylene	*0.2274*	0.050	*0.2*	0	*114*	*50.5-143*	0			

LCS Sample ID: PLCSW1-060321 Units: µg/L Analysis Date: 03/22/06 1:51
Client ID: Run ID: ECD_7_060321B SeqNo: 826812 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	4.406	0.50	5	0	88.1	52.4-135	0			
Aroclor 1260	5.055	0.50	5	0	101	52-129	0			
Surr: Decachlorobiphenyl	*0.234*	0.050	*0.2*	0	*117*	*52.2-138*	0			
Surr: Tetrachloro-m-xylene	*0.2192*	0.050	*0.2*	0	*110*	*50.5-143*	0			

LCSD Sample ID: PLCSDW1-060321 Units: µg/L Analysis Date: 03/22/06 2:25
Client ID: Run ID: ECD_7_060321B SeqNo: 826814 Prep Date: 3/21/2006 DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	4.379	0.50	5	0	87.6	52.4-135	4.406	0.593	20	
Aroclor 1260	4.96	0.50	5	0	99.2	52-129	5.055	1.89	20	
Surr: Decachlorobiphenyl	*0.236*	0.050	*0.2*	0	*118*	*52.2-138*	0.234	*0.826*	*20*	
Surr: Tetrachloro-m-xylene	*0.2202*	0.050	*0.2*	0	*110*	*50.5-143*	0.2192	*0.423*	*20*	

The following samples were analyzed in this batch:

0603292-01F	0603292-02F	0603292-03F
0603292-04F	0603292-05F	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Reference analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

EPAHO111000911

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Chain of Custody Form

Page 1 of 1

The Chain of Custody is a Legal Document. All information must be completed accurately.

3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

e-Lab Project Manager | e-Lab Work Order #

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frmr REXAM	A	VOCs (8260)
Work Order		Project Number	4935040018-02	B	TPH (TX 1005)
Company Name	MARTEC	Bill To Company	same	C	8 RCRA metals (total)
Send Report To	M H Niemann	Invoice Attn		D	" " (dissolved)
Address	5500 Gohn Rd	Address		E	PAHs (8270)
				F	TPH (TX1006)
City/State/Zip	Houston TX	City/State/Zip		G	PCBs
Phone	713-744-5834	Phone		H	TDS
Fax	713-462-1653	Fax		I	
e-Mail Address	mhniemann@martec	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Type	# Bottles	A	B	C	D	E	F	G	H	I	J	K
1	~~MW-1~~ MW 3/17/06																
2	MW-2	3/17/06	11:45	Water	ice 1,2	18	✓	✓	✓	✓	✓	✓	✓				
3	MW-3		17:30			10	✓	✓	✓	✓	✓	✓	✓				
4	MW-4		15:50			10	✓	✓	✓	✓	✓	✓	✓				
5	MW-5		14:15			10	✓	✓	✓	✓	✓	✓	✓				
6	MW-6		10:25			10	✓	✓	✓	✓	✓	✓	✓				
7	DUP	3/17/06				10	✓	✓	✓								
8	Field Blank					7	✓	✓	✓								
9	Trip Blank						✓										
10																	

PAH + TPH (TX1006 ✗ Contingent on TPH (TX 1005 results)

Sampler(s) Please Print & Sign: Robert L Miller / Robert L Miller

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 1 Wk Days

Rescan Only Data

Relinquished by:	Date:	Time:	Received by:	Notes:
Robert L Miller	3-18-6	9:30		
Relinquished by:	Date:	Time:	Received by (Laboratory): [signature] 3-18-06 / 0930	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

e-Lab Analytical Cooler ID | Trip Blank Number

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.
2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

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ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO: 61075.01 1of 1

Customer: **CES Env. Svcs.** Sample ID: **Rexam Sample Well** Environ ID: **61075.01**
Project ID: **Rexam Beverage Can** Sampled: **10-17-06**
Project Loc: **Hou., TX** Matrix: **Water** Received: **10-17-06**
Charge/P.O.: Type: Reported: **10-18-06**
RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
VOC - TCLP (Dilution Factor: 1.0)					SW846.1311	MN	10-17-06	
Benzene	< 0.005	mg/l	0.5	0.005	SW846.8260B	TFR	10-17-06	19:07
2-Butanone (MEK)	< 0.025	mg/l	200.0	0.025	SW846.8260B	TFR	10-17-06	19:07
Carbon tetrachloride	< 0.005	mg/l	0.5	0.005	SW846.8260B	TFR	10-17-06	19:07
Chlorobenzene	< 0.005	mg/l	100	0.005	SW846.8260B	TFR	10-17-06	19:07
Chloroform (Trichlorometha	< 0.005	mg/l	6.0	0.005	SW846.8260B	TFR	10-17-06	19:07
1,2-Dichloroethane (EDC)	< 0.005	mg/l	0.5	0.005	SW846.8260B	TFR	10-17-06	19:07
1,1-Dichloroethene	0.034	mg/l	0.7	0.005	SW846.8260B	TFR	10-17-06	19:07
Tetrachloroethene	< 0.005	mg/l	0.7	0.005	SW846.8260B	TFR	10-17-06	19:07
Trichloroethene	< 0.005	mg/l	0.5	0.005	SW846.8260B	TFR	10-17-06	19:07
Vinyl chloride	< 0.010	mg/l	0.2	0.010	SW846.8260B	TFR	10-17-06	19:07

TCLP VOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Dibromofluoromethane (SS)	0.051	102	76-114
Toluene-d8 (SS)	0.051	102	80-120
4-Bromofluorobenzene (SS)	0.045	90	80-120

Definitions:
TCLP - Toxcisity Charasteric Leaching Procedure
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
su - Standard Units
VOC - Volatile Organic Compounds
SVOC - Semivolatile Organic Compounds

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO111000913

CHAIN OF CUSTODY

1 Day

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: Dan Bowman	Invoice To: Same
Company: CES	Company:
Address: 4904 Griggs Rd	Address:
City: Houston State: TX Zip: 77021	City: State: Zip:
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

Project Name: Rexam Beverage Can
Project Location: Houston Tx
Project No:
Sampler (Print): Dan Bowman
Sampler (Sign):

Sampler Remarks:

Remarks & Additional Analyses: By 4:00 P.M

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL EPA TCLP: VOLATILES	SEMI-VOLS	RCRA 8 METALS
	[2] Cntr. Type		G								
	Number		1								
	Volume		32oz								
	[3] Preservative		1								
61075.01	1) Rexam Sample Well	10/12/06 9:30 Am							X		
	2)										
	3)										
	4)										
	5)										
	6)										
	7)										
	8)										
	9)										
	10)										

Relinquished By:	Company: CES	Date/Time: 10/12/06 4:30 PM	Received By:	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

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

10-18-06; 8:46AM;Environ ;2814715821 # 3/ 3

EPAHO111000914

IFTA FUEL TAX REPORT SUPPLEMENT

a. T Code 56100
b.
c. Texas taxpayer number 17605929854
d. IFTA number TX76059298514
e. Filing period 07/01/2006-09/30/2006
f. 054
g. Taxpayer name CES ENVIRONMENTAL SERVICES INC
h. Due date 10/31/2006
1. Incicate the appropriate fuel type for this supplement DIESEL
A. Total IFTA Miles (Whole miles)
B. Total Non-IFTA miles (Whole miles)
C. Total miles
D. Total Gallons consumed
E. Average fleet MPG

F. Juris ID	G.	H. Total IFTA	I. Taxable mi	J.	K. Taxable G	L. Tax Paid G	M. Net Taxal	N. Tax Rate	O. Tax/<Cred	P. Interest D	Q. Total Due
AL		135	135		103.01			0.1900			
AR		5405	5405		1,061.60			0.2250			
AZ		0	0		0.00			0.2600			
CA		0	0		0.00			0.3300			
CO		0	0		0.00			0.2050			
CT		0	0		0.00			0.2600			
DE		0	0		0.00			0.2200			
FL		521	521		177.93			0.2997			
GA		83	83		144.46			0.1420			
IA		0	0		0.00			0.2250			
ID		0	0		0.00			0.2500			
IL		0	0		0.00			0.3500			
IN		0	0		0.00			0.1600			
KS		448	448		198.04			0.2600			
KY		482	482		72.39			0.1410			
LA		19513	19513		6,152.63						
MA		0	0		0.00						
MD		0	0		0.00						
ME		0	0		0.00						
MI		0	0		0.00						
MN		0	0		0.00						
MO		0	0		0.00						
MS		12644	12644		2,452.96						
MT		0	0		0.00						
NC		0	0		0.00						
ND		0	0		0.00						
NE		0	0		0.00						
NH		0	0		0.00						
NJ		0	0		0.00						
NM		0	0		0.00						
NV		0	0		0.00						
NY		0	0		163.57						
OH		625	625		53.71						
OK		4174	4174		186.12						
OR		0	0		0.00						
PA		0	0		0.00						
RI		0	0		0.00						
SC		0	0		0.00						
SD		0	0		0.00						
TN		819	819		213.20						
TX		0	0		0.00						
UT		0	0		0.00						
VA		0	0		133.17			Totals	0	0	0
VT		0	0		0.00						
WA		0	0		0.00						
WI		0	0		0.00						
WV		0	0		0.00						
WY		0	0		0.00						

INTERNATIONAL FUEL TAX AGREEMENT (IFTA) FUEL TAX REPORT	
1. Diesel total due, if applicable	
2. Gasoline total due, if applicalbe	
3. Ethanol total due, if applicable	
4. Propane (LPG) total due, if applicable	
5. Other fuel type(s) total due, if applicalbe	
6. Subtotal of amount due (Add items 1, 2, 3, 4, and 5)	
6a. Amount subject to penalty, if report is filed late	
7. Penalty, if due	
8. Total balance due (Add Item 6 and Item 7)	
9a. Credits available	
9b. Credits applied	
10. Total amount due/overpayment (Subtract Item 9b fro Item 8)	
11. AMOUNT TO BE REFUNDED	
12. TOTAL AMOUNT OF REMITTANCE	

Praxair 1866
Prof # 1866

EPAHO11100916

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/18/2006**

Dear **Rick Hemminger**

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 # 1866

Generator: Praxair (Texas City-Sterling Chemical Plant)
Address: 703 6th St. South
Texas City, TX 77590

Waste Information

Name of Waste: Non-contact ethylene glycol
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Removal of non-contact ethylene glycol from chiller system
Color: clear to green **Odor:** none **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
Standard

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DC

#1866

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

SECTION 1: Generator Information

Company:	Praxair (Texas City - Sterling Chemical Plant)		
Address:	703 6th Street South		
City, State, Zip:	Texas City, TX 77590		
Contact:	Rick Hemminger	**Title:**	HSE Manager
Phone No:	281-782-6706	**Fax No:**	281-478-7834
24/hr Phone:			
U.S. EPA I.D. No:	TXD988062808		
State I.D.	23432	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Non-Contact Ethylene Glycol
Detailed Description of Process Generating Waste: Removal of non-contact ethylene glycol from chiller system

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

Color: clear to green **Odor:** none

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

Layers: ☒ Single-phase ☐ Multi-phase

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

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 5 **Other:**
Texas State Waste Code No: Recyclable
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Material
Class: NA **UN/NA:** NA **PG:** NA **RQ:** NA

Flash Point >200	**pH** 3-11	**Reactive Sulfides** NAmg/l	**Reactive Cyanides** NAmg/l	**Solids** 0-2%
Oil&Grease 0mg/l	**TOC** NAmg/l	**Zinc** NAmg/l	**Copper** NAmg/l	**Nickel** NAmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Ethylene Glycol	50-75	%
Water	25-50	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

TCLP Metals:	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 neutral
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: Rick Hemminger **Date:** Environmental Manager

Printed Name/Title: Rick Hemminger

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Prabhakar R Thangudu Additional Information: _____

Date: 10-18-06 Approved Rejected _____

Approval Number: 1866 _____

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

Waste Profile Re-Certification Form

CES Waste Approval #: **1866**

Customer: **Praxair (Texas City-Sterling Chemical Plant)**

Waste Generator: **Praxair (Texas City-Sterling Chemical Plant)**

Waste Stream Name: **Non-contact ethylene glycol**

Expiration Date: **10/18/2008**

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.

Praxair, Inc.
Customer Name

Bruce K Webb
Signature

Praxair, Inc. Safety Specialist
Company / Title

9-23-08
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

Heat Transfer 1867
Prof # 1867

EPAHO111000923

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/18/2006**

Dear **Ervin Weiman, Charlie Stanport**

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 # 1867

Generator: Heat Transfer Research, Inc.
Address: Box 1297 Nuclear Road
College Station, TX 77845

Waste Information

Name of Waste: Propylene glycol
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Unused/off-spec material
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
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: 30948
U.S. EPA ID No: TXD008950461 **ISWR No: 30900**

#1867

SECTION 1: Generator Information

Company:	Heat Transfer Research, Inc.		
Address:	Box 1297 Nuclear Road		
City, State, Zip:	College Station, TX 77845		
Contact:	Ervin Weinman	**Title:**	
Phone No:	800-332-5085	**Fax No:**	
24/hr Phone:	979-481-4818		
U.S. EPA I.D. No:	N/A		
State I.D.	N/A	**SIC Code:**	na

SECTION 2: Billing Information – ☐ Same as Above

Company:	Alamo		
Address:	2495 S. Hwy 77		
City, State, Zip:	Giddings, TX 78942		
Contact:	Ervin Weinman	**Title:**	
Phone No:	800-332-5085	**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Propylene Glycol
Detailed Description of Process Generating Waste: Unused/off-spec material

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

Color: Dark **Odor:** Hydrocarbon

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

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

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

Frequency: ☐ **Weekly** ☒ **Monthly** ☐ **Quarterly** ☐ **Yearly**
Number of Units (containers): 1 **Other:** ____
Texas State Waste Code No: Recycle (product)
Proper U.S. DOT Shipping Name: Non DOT regulated material
Class: na **UN/NA:** na **PG:** na **RQ:** na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	N/Amg/l	N/Amg/l	0%

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

EPAHO111000925

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Propylene glycol	50-100	%
Water	50-100	%

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 generator knowledge:

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

SECTION 9: Generator's Certification

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

Authorized Signature: N/A **Date:** October 18, 2006

Printed Name/Title: N/A-per Matt Bowman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robert Thayer Date: 10-18-06 (Approved) Rejected Approval Number: 1867	**Process Facility Information:** Take composite of drums and make sure content is greater than 50%. RECYCLE

EPAHO111000926

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

EPAHO111000927

(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.

EPAHO111000928

US Flowchem 1868
Prof # 1868

EPAHO111000929

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/19/2006**

Dear **Steve Erikson**

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 # 1868

Generator: US Flowchem (Cypress)
Address: 18121 Telge Rd
Cypress, TX 77429

Waste Information

Name of Waste: Recyclable red diesel and water mixture
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Unused red diesel and rainwater
Color: red **Odor:** none **pH:** 4-9
Physical State:
Incompatibilities: oxidizers
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

Green K

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

#1868

SECTION 1: Generator Information

Company:	US Flowchem		
Address:	18121 Telge Rd		
City, State, Zip:	Cypress, TX 77429		
Contact:	Steve Erikson	Title:	Owner
Phone No:	713-240-2277	Fax No:	281-357-1853
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:			
State I.D.	XXX12	SIC Code:	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	US Flowchem		
Address:	43253 Old Houston Hwy		
City, State, Zip:	Waller, TX 77484		
Contact:	Steve Erikson	Title:	Owner
Phone No:	713-240-2277	Fax No:	281-357-1853

SECTION 3: General Description of the Waste

Name of Waste: Recyclable Red Diesel and Water Mixture
Detailed Description of Process Generating Waste: Unused red diesel and rain water

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

Color: Red Odor: None

Specific Gravity (water=1): .9-1 Density: 7.58 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☒	Drum	☒	Tote	☐	Truck	☐ Other (explain)
Container Size:		55 g		300			

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 1 dm 1 tote Other: ✓
Texas State Waste Code No: Recycled
Proper U.S. DOT Shipping Name: Recyclable Diesel and Water Mixture
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	4-9	0mg/l	0mg/l	0-5%

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

1

OCT-18-2006 08:31 FROM: 9363720058 TO:713 676 1676 P.17/20

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Red Diesel	50-90	%
Water	10-50	%

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.
Generator Knowledge

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
~~None~~ 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: X _____ **Date:** 10/13/06

Printed Name/Title: Jerry Borland CFO

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____ Additional Information: _____

Date: 10-18-06 Approved Rejected REC

Approval Number: 1868

OCT-18-2006 08:31 FROM: 9363720058 TO:713 676 1676 P.18/20

EPAHO111000932

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

EPAHO111000933

(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.

EPAHO111000934

1869 Enterprise Pipeline Co. - Tx City
Prof# 1869

EPAHO11100935

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/19/2006**

Dear **Dee Bond**

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 # 1869

Generator: Enterprise Pipeline Company - Texas City
Address: 1/4 Mile N. of Loop 197 fr 519&197
Texas City, TX 77590

Waste Information

Name of Waste: Pigging Waste
TCEQ Waste Code #: FGJ44091
Container Type:
Detailed Description of Process Generating Waste:
Pigs used to push cleaning agent through pipelines also includes pads to absorb diesel fue spills and rags to wipe down equipment and dirty PPE
Color: various **Odor:** diesel **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

#1869

SECTION 1: Generator Information

Company:	Enterprise Pipeline Company		
Address:	1/4 mile North of intersection of 519 and loop 197 on Loop 197		
City, State, Zip:	Texas City, TX 77590		
Contact:	Jennifer Mollhagen	**Title:**	Sr. Environmental Scientist
Phone No:	713-880-6569 Cell: 713-444-6528	**Fax No:**	713-880-6660
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXP490343101		
State I.D.	XXX12	**SIC Code:**	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	Baker Hughes PMG		
Address:	6755 B Willowbrook Park Drive		
City, State, Zip:	Houston, TX 77066		
Contact:	Dee Bond	**Title:**	Manager
Phone No:	281-580-1469	**Fax No:**	281-893-2732

SECTION 3: General Description of the Waste

Name of Waste: Pigging Waste
Detailed Description of Process Generating Waste: Pigs used to push cleaning agent through pipelines also includes pads to absor diesel fuel spills and rags to wipe down equipment and dirty PPE

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

Color: various **Odor:** diesel fuel like

Specific Gravity (water=1): 1.3 **Density:** 10 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type:	☐ Drum	☒ Tote	☐ Truck	☐ Other (explain)
Container Size:	____	1 yd	____	____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
Number of Units (containers): 2-3 **Other:** ✓
Texas State Waste Code No: FGJ44091
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 %
Poly Pigs with inner foam	50-100	%
PPE	0-20	%
Absorbent Pads	0-20	%
Rags	0-20	%
Misc. Trash	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.
Ananlysis

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: ___ (ON sludge) - worstcase
TCLP Volatiles: ___ (Benzene)
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 an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willfi omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materia tested are representative of all materials described by this document.

Authorized Signature: Jennifer Mallhagen **Date:** 10/17/06

Printed Name/Title: Jennifer Mallhagen, Sr. Env. Scientist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Flanagan

Date: 10-17-06 (Approved) Rejected

Approval Number: 1869

Additional Information: OS

No free liquids

EPAHO111000938

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

RECEIVED
SEP 23 2006
BY:

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: 7136761676

Attn: **Gary Brauckman**

- CERTIFICATE OF RESULTS -

MES Lab#: 6090242

Client Sample ID: Pigging Waste
Extended ID: Baker Hughes / Enterprise - Texas City

Sample Collect Date: 9/14/2006 @ 10:00:00 AM **Sample Type:** Grab
Sample Receipt Date: 9/14/2006 @ 12:45:00 PM

Test Group / Method

TCLP Benzene Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: TFR Date / Time
Benzene	0.05	0.5	< 0.05	mg/L	9/18/2006 / 12:25 AM

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

Holland D. Gilmore, Laboratory Director

Tuesday, September 19, 2006
Date

EPAHO111000941

6090242 - 6090243

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

6090242

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	91.1
Toluene-d8	95.4
4-Bromofluorobenzene	104.1

6090243

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	91.4
Toluene-d8	87.9
4-Bromofluorobenzene	89.5

ANALYTE	STD
Flashpoint	82°F

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: _____ September 19, 2006
Holland D. Gilmore / Laboratory Director

MES - CHAIN OF CUSTODY

MES
Mercury Environmental Services
6913 Hwy. 225 • Deer Park, TX 77536
1-800-771-4MES
(281) 476-4534
Fax (281)-476-4406

1
COMPANY NAME: (BILL TO:) CES Enterprise
COMPANY ADDRESS:
CITY STATE ZIP
CONTACT PERSON'S NAME: Gary Brauchman
CONTACT PERSON'S PHONE: 713-467-5737 FAX #:

2
YOUR PROJECT NO.: Denver Harbor / Enterprise - Texas City
YOUR P.O. #:
YOUR PROJECT NAME:
PROJECT ADDRESS:

3

4 PARAMETERS FOR ANALYSIS

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	TCLP Benzene	Flash Point	NUMBER OF CONTAINERS	PRESERVATIONS
Pigging waste	G	9/4	10:00 Am	Solid	✓		1	None
Pipeline sludge	G	9/4	10:00 Am	Sludge	✓	✓	1	None

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.

On ice
20 C

6

PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)
a. Gary Brauchman b.		9-14	12:45	

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
				9/14	12:45

8
Sample Remainder Disposal
☐ Return Sample Remainder To Client Via
☑ Request Lab To Dispose Of All Sample Remainders
(Signature) (Date) 9-14-00

Form # MES - CCRI

WHITE & CANARY – Shipped with Sample PINK – Retained by Customer WHITE – Returned with Report

EPAHO11100943

US Flowchem 1870
Prof # 1870

EPAHO11100944

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **10/19/2006**

Dear **Steve Erikson**

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 # 1870

Generator: US Flowchem (Cypress)
Address: 18121 Telge Rd
Cypress, TX 77429

Waste Information

Name of Waste: Non-hazardous water based blue dye
TCEQ Waste Code #: FGMG1191
Container Type:
Detailed Description of Process Generating Waste:
Unused product
Color: blue **Odor:** none **pH:** 4-9
Physical State:
Incompatibilities: None
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB Stream DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

#1870

SECTION 1: Generator Information

Company:	US Flowchem		
Address:	18121 Telge Rd		
City, State, Zip:	Cypress, TX 77429		
Contact:	Steve Erikson	Title:	Owner
Phone No:	713-240-2277	Fax No:	281-357-1853
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:			
State I.D.	XXX12	SIC Code:	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	US Flowchem		
Address:	43253 Old Houston Hwy		
City, State, Zip:	Waller, TX 77484		
Contact:	Steve Erikson	Title:	Owner
Phone No:	713-240-2277	Fax No:	281-357-1853

SECTION 3: General Description of the Waste

Name of Waste: Non Hazardous Water Based Blue Dye
Detailed Description of Process Generating Waste: Unused product

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

Color: Blue 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: 350

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly one time
Number of Units (containers): 1 Other: ____
Texas State Waste Code No: FGMG1191
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Blue Dye
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>200	4-9	0mg/l	0mg/l	0-5%

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 %
Unused Blue Dye	100	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None

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:** 10/13/06

Printed Name/Title: Terry Boylan CEO

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Patricia Chapman

Date: 10-18-06 Approved Rejected

Approval Number: 1870

Additional Information: IL

OCT-18-2006 08:29 FROM: 9363720058 TO:713 676 1676 P.3/20

EPAHO111000947

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

EPAHO111000948

(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.

EPAHO111000949

CN12400

U. S. SPECIALTY COLOR CORPORATION

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION OF PRODUCT

TRADE NAME AND SYNONYMS: Specialty Blue A.

CHEMICAL FAMILY: Anthaquinone dyestuff.

CHEMICAL FORMULA: Proprietary.

FORMULA: Proprietary.

MANUFACTURER/DISTRIBUTOR: U.S. Specialty Color Corporation
542 North Perry Street
Johnstown, NY 12095

EMERGENCY TELEPHONE NUMBER: 518/762-8031 - Regular
800/424-9300 - Chemtrec

DATE PREPARED: 10/31/87

SECTION II - HAZARDOUS COMPONENTS OF MIXTURES

No known hazardous components.

SECTION III - PHYSICAL DATA

APPEARANCE: Blue Powder.

ODOR: No odor.

SOLUBILITY IN WATER: Good.

APPARENT DENSITY: Not available.

SECTION IV - PHYSICAL, FIRE AND EXPLOSION HAZARDS AND INFORMATION

EXTINGUISHING MEDIA: Water, CO_2 Dry Chemical.

SECTION V - REACTIVITY HAZARDS AND INFORMATION

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI: HEALTH HAZARDS AND INFORMATION

THRESHOLD LIMIT VALUES: NOT APPLICABLE

No specific acute hazards are known to us. However, any material that gets into the eyes or on the skin may be irritating

SECTION VII: PRECAUTIONS FOR SAFE HANDLING, USE AND DISPOSAL

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up bulk of spill and flush remainder with water. Follow all precautions for handling this product when dealing with spills.

WASTE DISPOSAL METHOD: Waste material may be dumped or incinerated under conditions which meet all federal, state and local environmental control regulations.

SECTION VIII: CONTROL AND PROTECTIVE MEASURES - SPECIAL USE PRECAUTIONS

RESPIRATORY PROTECTION: An appropriate NIOSH approved respirator for dust should be worn if needed.

VENTILATION: Use of local ventilation is suggested when using this product. However, use of good general ventilation is acceptable.

EYE PROTECTION: Wear safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Wear impermeable rubber or plastic gloves. Wear a rubber or plastic apron. Wear normal work clothes - long sleeved shirt and pants - clean every shift.

OTHER PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store with container closed in a dry place away from excessive heat and open flames. Avoid unnecessary personal contact.

SECTION IX - EMERGENCY FIRST AID INFORMATION

INHALATION: Remove to fresh air. Get medical attention.

INGESTION: Get immediate medical attention.

SKIN: Wash skin contact with soap and water. If irritation develops, get medical attention.

EYES: Immediately flush eye contact with large amounts of water for at least 15 minutes and then get medical attention

EPAHO111000951

SECTION X - TRANSPORTATION INFORMATION

DOT HAZARD CLASSIFICATION: Not regulated by DOT.

SECTION XI - LABEL INFORMATION

WARNING: May cause skin and eye irritation. Do not get on skin or in eyes.

RESPIRATORY PROTECTION: An appropriate NIOSH approved respirator for dust should be worn if needed.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Get medical attention.

INGESTION: Get immediate medical attention.

SKIN: Wash skin contact with soap and water. If irritation develops, get medical attention.

EYES: Immediately flush eye contact with large amounts of water for at least 15 minutes and then get medical attention.

GOOD INDUSTRIAL PRACTICE: In accordance with good industrial practice, avoid all personal contact. Wear work clothes with long sleeves, clean every shift. Wear goggles or side shield safety glasses, impermeable gloves and apron. For good hygiene a shower at the end of every shift is recommended. Wash well before eating.

DISPOSAL: Dispose of spilled product, empty containers and unused product in compliance with all local, state, and federal regulations. Consult Material Safety Data Sheet (MSDS) for any specific instructions for disposal.

EMPTY CONTAINERS: Residues of this product may remain in emptied containers. Containers should not be reused without professional cleaning and reconditioning. Empty containers should be rinsed before disposal. Follow all precautions on label when dealing with empty containers.

ATTENTION: For Manufacturing Use only. Refer to our Material Safety Data Sheet (MSDS) for complete details regarding Health and Safety Information, Hazards, Precautions, Emergency First Aid, Protective Equipment and Disposal. Label is valid for container as shipped. Any alteration of contents requires replacement of the label.

SECTION XII - ENVIRONMENTAL EFFECTS INFORMATION

No significant harmful environmental effects are known.

SECTION XIII - REFERENCES

No pertinent references were found for this product during our literature search.

We believe all the data and information given is accurate as of the date of preparation and is offered in good faith, but without warranty or representation. Since conditions of use are beyond our control we disclaim all liability for reliance thereon. This is offered solely for your consideration, investigation and verification.

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TNRCC

ONE-TIME SHIPMENT REQUEST FOR TEXAS WASTE CODE FOR SHIPMENT OF CLASS 1, 2, 3 AND EPA HAZARDOUS WASTE

Pursuant to the generator notification requirements of 30 TAC Section 335.6, the generator of a solid waste is required to submit to the TNRCC detailed written information pertaining to the composition and characteristics of the waste. Please complete all applicable sections. Incomplete forms will delay processing. Assigned waste codes cannot be changed without prior approval from the TNRCC.

Please type or print legibly:

DS Flowchem
19121 Telge Rd
Cypress, Tx 77429

GENERATOR CONTACT PERSON
GENERATOR COMPANY NAME
GENERATOR MAILING ADDRESS
CITY, STATE, ZIP CODE
PHONE NO. (713) 854-6150
FAX NO. (713) 676-1626

COMPLETE ONLY IF NOT REGISTERED

Are you Industrial? ☒ Yes ☐ No *Are you CESQG? ☒ Yes ☐ No

If industrial, have you submitted TNRCC Initial Notification form (TNRCC-0002)? ☐ Yes ☐ No

Date submitted: _____

COMPLETE ONLY IF REGISTERED

XXX12
Solid Waste Registration No.
TXP490343424
U. S. EPA Identification No.

Generating Site Location (Check if same as above) _____
(STREET ADDRESS OR PHYSICAL DESCRIPTION)

Designated Treatment, Storage, and/or Disposal Facility Name and Address Pollution Control Industries
5485 Tay-For Drive, Millington, TN 38053

DESCRIPTION OF WASTE
(do not use DOT description or trade name)

1. Flammable Sludge from out of date product
2. Non Hazardous waste water from washing down drag reducer tanks
3. Flammable liquids containing organic solvents mixed w/ drag reducer
4. Waste Propylene Glycol
5. Waste Flammable oil w/ organic Solvents

TNRCC USE ONLY

For TNRCC Assignment of Texas Waste Code Number

FGM8609H
FGM91191
FGM8609H
FGMC2191
FGMD2194

① FORM CODE	② CLASS CODE	③ EPA CODE	④ ORIGIN CODE
609	H	D001	1
119	1	N/A	1
609	H	D001	1
219	1	N/A	1
819	H	D001	1

PROCESSED DATE: 10-16-06
PROCESSED BY: Janet Laylett
TNRCC REGION: Reg. 12 OFFICE

6280
JH
OTS
10-16-

GENERATOR/REPRESENTATIVE

I certify that the above information is correct to the best of my knowledge.

Dan Bowman, *am employed by:*
(NAME, Please Print)

(COMPANY NAME AND MAILING ADDRESS)

CES Environmental Services, Inc.
7904 Griggs Rd
Houston, Tx 77021

I am authorized to sign this certification for:

CES Environmental Services
(COMPANY NAME)
Dan Bowman
(SIGNATURE)
10/13/06
(DATE)
(713) 854-6150
(PHONE NUMBER)
(713) 676-1676
(FAX NUMBER)

Received
OCT 18 2006
Hazardous Waste Reporting Section

TNRCC-0757 (Rev. 10/99)

Brenntag
PROF # 1826

1826

7 3
8-4-05
LAB
T-34

EPAHO111000954

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/26/2006**

Dear **Dave Allen**

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 # 1826

Generator: Brenntag
Address: 14826 Hooper Road
Houston, TX 77047

Waste Information

Name of Waste: Off-Spec N-Butyl Alcohol
TCEQ Waste Code #: Product
Container Type:
Detailed Description of Process Generating Waste:
Spill of product tank
Color: clear **Odor:** alcohol **pH:** na
Physical State:
Incompatibilities: Oxidizers
Safety Related Data/Special Handling:
Level D. Proper grounding is mandatory

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.

1826

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:	Brenntag Southwest, Inc.		
Address:	14826 Hooper Road		
City, State, Zip:	Houston, TX 77047		
Contact:	Dave Allen	**Title:**	Facility Manager
Phone No:	713-433-6771	**Fax No:**	713-433-8572
24/hr Phone:	CES-713-676-1460		
U.S. EPA I.D. No:	TXD062128004		
State I.D.	30205	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

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

SECTION 3: General Description of the Waste

Name of Waste: Off-Spec N-Butyl Alcohol
Detailed Description of Process Generating Waste: Spill of Product Tank

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

Color: Clear **Odor:** alcohol

Specific Gravity (water=1): .70-.80 **Density:** 8 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): 1 **Other:** ____
Texas State Waste Code No: NA-Product
Proper U.S. DOT Shipping Name: Butanols, 3, UN1120, PG-III
Class: 3 **UN/NA:** UN1120 **PG:** PG-III **RQ:** NA

Flash Point <140	**pH** NA	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** <1%
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 %
n-Butyl Alcohol	90-100	%
Water	0-10	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D Proper Grounding is Mandatory

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Oxidizers

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

The information contained herein is based on ☒ 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:** 9/26/06

Printed Name/Title: DAVID ALLEN / OPERATIONS MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 9-26-06 Approved Rejected

Approval Number: 1826

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.

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.

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product: n-Butanol
MSDS number: 18
Material number: 51500001

Synonyms: 1-Butanol; Butanol-1; Normal butanol; n-Propyl carbinol; Butyric alcohol; 1-Hydroxybutane; Butyl alcohol.

Celanese Ltd.
1601 W. LBJ Freeway
P.O. Box 819005
Dallas, TX 75381-9005
United States
972 443 4000

Celanese Canada, Inc.
P.O. Box 99 Station Main
Edmonton, Alberta,
Canada T5J 2H7
780 471 0425

Transportation emergency phone numbers:
In USA, call 800 424 9300
Outside USA, call 703 527 3887, collect calls accepted
In Canada, call 780 477 8339.

2. Composition / Information on Ingredients

Component & CAS Number	Weight %	OSHA hazard category:
N-BUTANOL 71-36-3	99.8	Hazardous

3. Hazards Identification

Transportation emergency:	800 424 9300	CHEMTREC, 24 hrs/day
	703 527 3887	Outside USA, collect calls accepted. 24 hrs/day
Product emergency:	800 833 5235	Celanese, 24 hrs/day

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

Emergency Overview:

WARNING!

- Flammable liquid and vapor.
- Causes eye irritation.
- May cause respiratory tract and skin irritation.
- May be harmful if swallowed.
- Vapor is heavier than air and can travel considerable distance to a source of ignition and flashback.

Product Description

Appearance: Clear, colorless mobile liquid.
Odor: Mild alcohol odor.

Potential health effects

Routes of exposure: Skin, eyes, inhalation, ingestion.

Immediate effects:

Skin: May cause skin irritation. Symptoms of exposure may include: Crusting, scaling, weeping and itching of skin.

Eyes: Exposure to vapors and liquid Causes eye irritation. Symptoms of exposure may include: Eye irritation, burning sensation, pain, watering, and/or change of vision.

Inhalation: May cause respiratory tract irritation. Harmful if inhaled. Symptoms of exposure may include: Nasal discharge, hoarseness, coughing, chest pain and breathing difficulty, Nausea, headache and/or dizziness

Ingestion: May be harmful if swallowed. Symptoms of exposure may include: Nausea, vomiting, loss of appetite, gastrointestinal irritation and/or diarrhea. Central nervous system depression with nausea, headache and mental sluggishness.

Mutagenic: Does not show mutagenic potential in most in vitro tests.

Teratogenic: May cause birth defects based on animal data.

Target Organ Effects:

- Overexposure (prolonged or repeated exposure) may cause: Central nervous system depression

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

Injury to the eyes
Irritation of the respiratory tract
Irritation of the digestive tract
Drying of the skin

Medical Conditions which may be Aggravated by Exposure:

Significant exposure to this chemical may adversely affect people with acute or chronic disease of the:
Respiratory Tract
Skin
Eyes
Central nervous system

For further information, see:

Section 4 - First Aid Measures
Section 5 - Fire Fighting Measures
Section 6 - Accidental Release Measures
Section 8 - Exposure Controls/Personal Protection
Section 9 - Physical and Chemical Properties
Section 10 - Stability and Reactivity

4. First Aid Measures

Skin:
Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Call a physician if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eyes:
Immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:
If large quantities of this material are swallowed, call a physician immediately. Induce vomiting immediately, as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

5. Fire Fighting Measures

EPAHO111000962

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

NFPA: Health: 1 Flammability: 3 Reactivity: 0

Flammable properties
Flash point (test method): 37 C (98.6 F) (Closed Cup)

Flammable limits in air, % by volume:

Upper: 11.25%
Lower: 1.45%

Autoignition temperature: 365 C (689 F)

Products of combustion: Carbon Monoxide.

Extinguishing Media: Use CO_2 or dry chemical for small fires. Use aqueous film forming foam for large fires.

Fire Fighting Environmental Concerns Thoroughly decontaminate bunker gear and other fire-fighting equipment before re-use.

Fire Fighting Instructions Water may be ineffective but should be used to cool fire-exposed structures and vessels. Use water spray for large fires. Keep personnel removed from and upwind of fire. If potential for exposure to vapors or products of combustion exists, wear full fire fighting turnout gear and NIOSH approved self-contained breathing apparatus. Oxidizing chemicals may accelerate the burning rate in a fire situation. Vapor is heavier than air and can travel considerable distance to a source of ignition and flashback.

6. *Accidental Release Measures*

Spill or Leak Instructions
Eliminate ignition sources. See Section 8 for appropriate personal protective equipment. Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. If fire potential exists, blanket spill with alcohol type aqueous film-forming foam or use water fog stream to disperse vapors. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Within the United States, call the National Response Center (800-424-8802) and appropriate state and local authorities if the quantity released over 24 hours is equal to or greater than the reportable quantity listed below:
5,000 lbs. of the material as is, based on a Reportable Quantity of 5,000 lbs. for n-butanol.

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 800 motors or 0.5 miles in all directions if tank, rail car, or tank truck in involved in fire. Material creates a special hazard because it floats on water. Evacuate downwind areas as conditions warrant to prevent exposure and to allow vapors or fumes to dissipate. Spills may expose downwind areas to toxic or flammable concentrations over considerable distances in some cases.

7. Handling and Storage

Handling:

Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

This product may generate a static charge. Ground/bond equipment when transferring material to prevent static accumulation. Electrical equipment and circuits in all storage and handling must conform to requirements of National Electric Code (Article 500 and 501) for hazardous location.

Storage:

Keep all containers tightly closed when not in use. Store out of direct sunlight and on an impermeable floor.
Do not store with incompatible materials. See Section 10. Stability and Reactivity.

8. Exposure Controls / Personal Protection

Engineering Controls:

General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

Protective Equipment

A safety shower and eyebath should be readily available.

Skin Protection:

Wear impervious clothing and gloves to prevent contact. Neoprene is recommended. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be

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Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

based on protection for all chemicals present.

Eye/face protection:

Wear chemical goggles when there is a reasonable chance of eye contact.

Respiratory Protection:

Based on workplace contaminant level and working limits of the respirator, use a respirator approved by NIOSH. The following is the minimum recommended equipment for an occupational exposure level. To estimate an occupational exposure level see Section 3, Section 8 and Section 11.

For concentrations > 1 and < 10 times the occupational exposure level: Use air-purifying respirator with full facepiece and organic vapor cartridge(s) or air-purifying full facepiece respirator with an organic vapor canister or a full facepiece powered air-purifying respirator fitted with organic vapor cartridge(s). The air purifying element must have an end of service life indicator, or a documented change out schedule must be established. Otherwise, use supplied air.

For concentrations more than 10 times the occupational exposure level and less than the lower of either 100 times the occupational exposure level or the IDLH: Use Type C full facepiece supplied-air respirator operated in positive-pressure or continuous-flow mode.

For concentrations > 100 times the occupational exposure level or greater than the IDLH level or unknown concentrations (such as in emergencies): Use self-contained breathing apparatus with full facepiece in positive-pressure mode or Type C positive-pressure full facepiece supplied-air respirator with an auxiliary positive-pressure self-contained breathing apparatus escape system.

For escape: Use self-contained breathing apparatus with full facepiece or any respirator specifically approved for escape.

Exposure guidelines

Component & CAS Number	Weight %	ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA TWA	OSHA STEL	OSHA CEILING
N-BUTANOL 71-36-3	99.8	20 PPM	-	50 PPM	100 PPM	-	50 PPM

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

Component & CAS Number	Weight %	1990 NIOSH IDLH (Recognized by OSHA)	1994 NIOSH IDLH
N-BUTANOL 71-36-3	99.8	8000 ppm	1400 PPM

Comments:

Celanese has adopted the ACGIH TLVs

9. Physical and Chemical Properties

Appearance: Clear, colorless mobile liquid.

Odor: Mild alcohol odor.
Vapor Pressure: 5.5 mm Hg at 25 deg C
Vapor Density (Air=1 @ 20 C): 2.57
Boiling Point (760 mmHgA): 117.2 C (243 F)
Freezing Point: -89.5 C (-129.1 F)
Specific Gravity: 0.8098 at 20 deg C
Molecular Weight: 74.12
Evaporation Rate (n-Butyl acetate = 1): 0.46

10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: Avoid heat , flames, sparks, and other sources of ignition.

Incompatibility: Keep away from sulfuric and other strong inorganic acids, aluminum or lead (including equipment made of these metals), and oxidizing agents such as peroxides, nitric acid, perchloric acid or chromium trioxide.

Hazardous combustion or decomposition products: Thermal decomposition products may include oxides of carbon.

Hazardous Polymerization: Hazardous polymerization will not occur.

11. Toxicological Information

Transportation emergency: 800 424 9300 CHEMTREC, 24 hrs/day
703 527 3887 Outside USA, collect calls accepted, 24 hrs/day

Product emergency: 800 635 5235 Celanese, 24 hrs/day

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Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

Component & CAS Number	Weight %	Component Toxicological Information:
N-BUTANOL 71-36-3	99.8	**Acute Exposure:** **Oral LD50:** 0.79-4.36 g/kg (rats); slightly toxic to animals. **Inhalation LC50:** > 8000 ppm (rats, 4 hours); practically nontoxic to animals. **Skin:** Moderately irritating to rabbit skin; slightly toxic to animals (LD50, rabbits: 3.4 - 5.3 g/kg). **Eyes:** Severely irritating to rabbit eyes. **Mutagenicity:** Not mutagenic in most *in vitro* assays (e.g.,Ames test, SCE & micronuclous assays with Chinese hamster cells). **Carcinogenicity:** No information. **Reproductive/Developmental Effects:** In an inhalation developmental toxicity study, rats were exposed 7 hrs/day to 0, 3500, 6000 or 8000 ppm. Maternal toxicity and fetotoxicity were observed at 6000 and 8000 ppm. A slight increase in skeletal abnormalities was observed at 8000 ppm, a dose which caused 10% maternal mortality. The no effect concentration for developmental toxicity was 3500 ppm. In a behavioral teratology study, rats were exposed 7 hrs/day to 0, 3000 or 6000 ppm butanol. Significant effects were not observed. **Repeated Exposure:** Rats were exposed orally via gavage to doses of 0, 30, 125, and 500 mg/kg/day for 13 weeks. CNS effects were observed in the high dose animals during the final 6 weeks of dosing. The no observed adverse effect level was 125 mg/kg/day. In a research study, oral exposure of rats to 6.9% butanol in drinking water for 3 months affected liver mitochondria.

12. Ecological Information

Component & CAS Number	Weight %	Component Ecological Information:

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

N-BUTANOL 71-36-3	99.8	**Ecotoxicity:** n-Butanol exhibits low acute toxicity to aquatic species. The 24-, 48- and 96-hour LC50 values for various fish species (Medaka, Golden Orfe, creek chub, fathead minnow, goldfish and bleak) range from 500 to 2300 ppm. The 48-hour EC50 for the water flea (daphnid) is 1983 ppm; for brine shrimp the LC50 is 2950 ppm. The 48-hour EC50 for protozoa is 2466 ppm. The toxicity thresholds for the alga Scenedesmus quadricauda and for cyanobacteria are 95-875 ppm and 100-312 ppm, respectively. Cell multiplication was inhibited for Entosiphon sulcatum (euglenoid) at 55 ppm after 72 hours. The 48-hour LC50 for Xenopus laevis (clawed toad) is 1200 ppm. **Environmental Fate:** **Degradation:** Under aerobic conditions butanol is readily biodegradable. The BOD (5-day)/COD ratio ranges from 0.42 - 0.74. In the Zahn-Wellens Test, 93-95% biodegradation was reported in 5 days. Atmospheric photochemical degradation is expected to range from 5 hours (in a sunlit urban atmosphere) to 2.3 days. Volatilization half-lives in water are estimated to be 2.4 hours, 3.9 hours, and 125.9 days in model streams, rivers and lakes, respectively. **Bioaccumulation:** The calculated bioconcentration factor for goldfish is 0.62-0.67. The log n-octanol/water partition coefficient for n-butanol is 0.88. This suggests that butanol has low potential to bioaccumulate.

13. Disposal Considerations

Dispose of spilled material in accordance with state and local regulations for hazardous waste. Recommended methods are incineration or biological treatment at a federally or state-permitted disposal facility. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

EPA Hazardous Waste Code(s): U031

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

14. Transport Information

US Department of Transportation

Shipping name:	BUTANOLS
Hazard class:	3 (Flammable Liquid)
UN/NA Number:	UN 1120
Packing Group:	III
DOT Reportable Quantity (RQ):	5000 lbs/2270 kb (1-Butanol)
Emergency Response Guide:	129

ICAO/IATA:

Proper Shipping Name:	BUTANOLS
Hazard Classification:	3 (Flammable Liquid)
IATA UN Number:	UN 1120
Packing group:	III
Label:	(Flammable Liquid)

IMDG:

Proper Shipping Name:	BUTANOLS
Hazard Class:	3 (Flammable Liquid)
International Marine UN Number:	UN 1120
Packing Group:	III
Flash point (test method):	37 C (98.6 F) (Closed Cup)

Transport Canada

Proper Shipping Name:	Butanols
Packing Group:	III

Trade Information

Schedule B Code (export):	2905.13.0000

15. Regulatory Information

U.S. Federal Regulations

Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

Chemicals associated with the product which are subject to the state right-to-know regulations are listed along with the applicable state(s):

N-BUTANOL 99.8 **71-36-3**

Pennsylvania	Listed
New York	Listed
New Jersey	Listed
Massachusetts	Listed
Rhode Island	Listed

U.S. REGULATORY RULES

TSCA Inventory:
We certify that all components are either on the TSCA inventory or qualify for an exemption.

N-BUTANOL 99.8 **71-36-3**
EPCRA (SARA Title III) Section 313 Listed

Environmental Regulations

N-BUTANOL 99.8 **71-36-3**
CERCLA Hazardous Substances Data- Listed

SARA 311:

Acute health:	Yes
Chronic health:	Yes
Fire:	Yes
Sudden release of pressure:	No
Reactive:	No

INTERNATIONAL REGULATIONS

International chemical inventories:

Listed on the chemical inventories of the following countries or qualifies for an exemption:
AUSTRALIA,CHINA,CANADA,EUROPE,KOREA,PHILIPPINES, JAPAN

Canadian Regulations:

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Celanese

Product name:	n-Butanol
MSDS number:	18
Material number:	51500001
Published date:	10/31/2002

WHMIS Classification: Class B, Division 2. Class D, Division 2, Subdivision B.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. Other Information

Prepared by: Product Stewardship Department
Celanese Ltd.

Hazard ratings This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

NFPA: Health: 1 Flammability: 3 Reactivity: 0

HMIS: Health: 2 Flammability: 3 Reactivity: 0

Revisions: The following sections have been revised since the last issue of this MSDS.

8. Exposure Controls / Personal Protection

Note: **For industrial use only.** The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Celanese Ltd. makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Material safety data sheets are provided on the Internet by Celanese, Ltd. as a service to its customers. Possession of an Internet MSDS does not indicate that the possessor of the MSDS was a purchaser or user of the subject product.

KMTEX 1827
Prof # 1827

EPAHO11100972

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/28/2006**

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 # 1827

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

Waste Information

Name of Waste: Gassy water from Tank 220
TCEQ Waste Code #: Recycle
Container Type:
Detailed Description of Process Generating Waste:
Light ends from distillation
Color: dark amber **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

1827

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		
City, State, Zip:	Port Arthur, TX 77641		
Contact:	David	**Title:**	Environmental Manager
Phone No:	409-985-4200	**Fax No:**	
24/hr Phone:	409-985-4200		
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: Gassy Water from Tank 220
Detailed Description of Process Generating Waste: Light ends from distillation

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

Color: Dark Amber **Odor:** Hydrocarbon

Specific Gravity (water=1): .95 **Density:** 7.3 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): 3 **Other:**
Texas State Waste Code No: Recycle
Proper U.S. DOT Shipping Name: Flammable liquids, n.o.s. (xylene, toluene)
Class: 3 **UN/NA:** UN1993 **PG:** II **RQ:** N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>100	3-11	N/Amg/l	N/Amg/l	0-1%

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

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
water	5-10	%
xylene	20-25	%
toluene	20-25	%
black oil	20-25	%
aliphatic hydrocarbons	20-25	%

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: N/A **Date:** September 27, 2006

Printed Name/Title: N/A-per Matt Bowman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robbie Rhagrah	**Special Pricing:** REC
Date: 9-28-06 Approved Rejected	**Recommended Treatment:**
Approval Number: 1827	

SECTION 10: Waste Receipt Classification Under 40 CFR 437

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

If 'Yes', complete this section.

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

Metals Subcategory: Subpart A

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

Oils Subcategory: Subpart B

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

Organics Subcategory: Subpart C

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

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

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

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

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

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

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

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1828

Kinder Morgan
Prof # 1828

CES Environmental Services, Inc.

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

Waste Pre-Acceptance/Approval Letter

Date **9/28/2006**

Dear **Lance Wiley**

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 # 1828

Generator: Kinder Morgan (Pasadena Facility)
Address: 530 Witter St.
Pasadena, TX 77506

Waste Information

Name of Waste: Tank bottoms
TCEQ Waste Code #: 94026091
Container Type: roll-off
Detailed Description of Process Generating Waste:
Removal of tank bottoms from a gasoline and diesel tank
Color: dark **Odor:** hydrocarbon **pH:** 3-11
Physical State:
Incompatibilities: none known
Safety Related Data/Special Handling:
Standard PPE

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

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#1828

CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company:	Kinder Morgan		
Address:	502 Witter St.		
City, State, Zip:	Pasadena, TX 77506		
Contact:	Lance Wiley	Title:	Environmental Manager
Phone No:	(713) 724-4912	Fax No:	
24/hr Phone:	(713) 724-4912		
U.S. EPA I.D. No:	TXD007013716		
State I.D.	30722	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: Tank Bottoms
Detailed Description of Process Generating Waste: Removal of tank bottoms from a gasoline and diesel tank

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

Color: Dark Odor: Hydrocarbon

Specific Gravity (water=1): 1.5 Density: 12 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain)
Container Size: ____ ____ ____ R/OFF

Frequency: ☐ Weekly ☐ Monthly ☑ Quarterly ☐ Yearly
Number of Units (containers): 2 Other: ____

Texas State Waste Code No: 94026091
Proper U.S. DOT Shipping Name: Non DOT regulated material
Class: NA UN/NA: NA PG: NA RQ: ____

Flash Point >150	pH 3-11	Reactive Sulfides <20mg/l	Reactive Cyanides <20mg/l	Solids 95%
Oil&Grease 1500mg/l	TOC N/Amg/l	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Rust	85-90	%
Dirt, Sand	15-20	%
Water	2-8	%
Absorbent	2-8	%
Hydrocarbon	Trace	

SECTION 5: Safety Related Data

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

SECTION 6: Attached Supporting Documents

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

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None Known

SECTION 8: Generator's Knowledge Documentation

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

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

SECTION 9: Generator's Certification

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

Authorized Signature: [signature] **Date:** 9.27.06

Printed Name/Title: Lance Wiley / Env. Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: [signature] Date: 9-27-06 (Approved) Rejected Approval Number: 1828	**Special Pricing:** OSL **Recommended Treatment:**

SEP-26-2006 16:22 CES Environmental Svcs. 7137488664 P.03

EPAHO111000981

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

EPAHO111000982

(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.

EPAHO111000983

MB
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-1828**

Customer: **Kinder Morgan (Pasadena Facility)**

Waste Generator: **Kinder Morgan (Pasadena Facility)**

Waste Stream Name: **Tank bottoms**

Expiration Date: **9/27/2008**

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.

Kinder Morgan
Customer Name

Signature

KM EHS Specialist
Company / Title

4/22/09
Date

Analysis is NOT required for recertification.

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

~~TCLP Metals~~ RCRA 8
TCLP Volatiles
TCLP Semi-volatiles
~~Reactivity~~
~~Corrosivity~~
Ignitability

Rest from Lance 4/22

CES Environmental Services, Inc.

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

SECTION 1: Generator Information

Company :	Kinder Morgan (Pasadena Facility)		
Address :	916N Witter St. 530 Witter St.		
City, State, Zip :	Pasadena TX 77506		
Contact :	Lance Wiley	**Title :**	
Phone No :	(713) 724-4912	**Fax :**	(713) 472-7660
24 / HR Phone :			
U.S EPA I.D No :	TXD070137161		
State I.D :	30772	**SIC Code**	na

SECTION 2: Billing Information

Company :	Kinder Morgan (Pasadena Facility)		
Address :	916N Witter St. 530 Witter St.		
City, State, Zip :	Pasadena TX 77506		
Contact :	Lance Wiley	**Title :**	
Phone No :	(713) 724-4912	**Fax :**	(713) 472-7660

SECTION 3: General Description of the Waste

Name of Waste : Tank bottoms

Detailed Description of the Process Generating Waste:

Removal of tank bottoms from a gasoline, diesel & fuel oil tank

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

Color : dark **Odor :** hydrocarbon

Specific Gravity (Water=1) : 1.5 **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	2896	2899	2911	3312	4953	4959	9511

Layers : ☑ Single-Phas ☒ Multi-Phase

Container Type : ☒ Drum ☒ Tote ☒ Truck ☑ Other (explain) roll-off

Container Size : 15 yds

Number Of Units : 2

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

EPAHO111000985

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 : 94026091

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material (tank bottoms)

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

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>150	3-11	<20 mg/l	<20 mg/l	95 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500 mg/l	na mg/l	na mg/l	na mg/l	na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentrations	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Rust	85-90	%
dirt/sand	15-20	%
water	5-20	%
absorbent	2-8	%
hydrocarbon	trace	%
Fuel Oil	5-15	%
Fuel Oil tank bottoms	15-80	%

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.
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 : X

EPAHO111000986

TCLP Volatiles : 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

Matals Subcategory: ***Subpart A***

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

Oils Subcategory: ***Subpart B***

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

Organics Subcategory ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol

- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

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

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

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

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

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

SECTION 10: Additional Instruction

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

SECTION 11: Generator's Certification

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

Authorized Signature : **Date :** 4/22/09

Printed Name / Title : Lance Wiley / EHS Specialist

CES USE ONLY (DO NOT WRITE IN THIS SPACE) **Process Facility Information :**

Compliance Officer : Prabhakar Thangudu

Date : 9/27/2006 **Status :** Approved Rejected

Approval Number : HOU-1828

CXI

P.O. Box 67
900 CLINTON
GALENA PARK,TX 77547
(713) 455-1206

MSDS

Material Safety Data Sheet

HAZARD INDEX

FLAMMABILITY	1
HEALTH	1
REACTIVITY	1

FUEL OIL A

SECTION 1: IDENTIFICATION

CHEMICAL NAME:	Fatty Acid Methyl Ester and Non-esterified alkyl fatty acids
CHEMICAL FAMILY:	Fatty Acid Methyl Ester and Non-esterified alkyl fatty acids
TRADE NAME:	FUEL OIL A
SYNONYMS:	Biodiesel and Non-esterified alkyl fatty acids
FORMULA:	Mixture
CAS NUMBER:	Mixture, see Section 2
MANUFACTURER:	Chemical Exchange Industries, Inc. 900 Clinton Drive Galena Park, TX 77547

TELEPHONE NUMBERS

EMERGENCY:	CXI	(713) 455-1206
	CHEMTREC	(800) 424-9300
PRODUCT SAFETY:		(713) 455-1206

SECTION 2: COMPOSITION

COMPONENT NAME	CAS No.	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL	WT%
Biodiesel as a mixture of the following:		None Known	None Known	None Known	None Known	60-95
Fatty acid vegetable oil methyl ester	68990-52-3	None Known	None Known	None Known	None Known	
Fatty acid tallow methyl ester	61788-61-2	None Known	None Known	None Known	None Known	
Soybean oil methyl ester	67784-80-9	None Known	None Known	None Known	None Known	
Palm oil methyl ester	91051-32-0	None Known	None Known	None Known	None Known	
Non-esterified alkyl fatty acids as a mixture of the following:	67254-79-9	None Known	None Known	None Known	None Known	5-40
Palmitic Acid	57-10-3	None Known	None Known	None Known	None Known	
Stearic Acid	57-11-4	as stearates: 10 mg/m3	None Known	None Known	None Known	
Oleic Acid	112-80-1	None Known	None Known	None Known	None Known	
Linoleic Acid	60-33-3	None Known	None Known	None Known	None Known	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **Combustible. Keep away from electric motors, heaters, open flames, high intensity heat sources or other ignition sources. Do not grind, weld, cut, or drill on or near containers or pipes. Causes eye, skin, and respiratory tract irritation.**

SIGNAL WORD: WARNING!

PHYSICAL & HEALTH HAZARDS: COMBUSTIBLE LIQUID. Vapors can travel to a source of ignition and flash back. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, or inhalation. Prolonged and repeated exposure to vapors may cause damage to the CNS (central nervous system), lungs and kidneys. Aspiration into the lungs may cause chemical pneumonia.

PHYSICAL STATE:	Liquid
COLOR:	Dark brown, Amber
ODOR:	Negligible
ODOR THRESHOLD:	20 ppm (stearic acid)
ROUTES OF EXPOSURE:	Inhalation, Skin contact, Eye contact, Ingestion
SIGNS & SYMPTOMS OF ACUTE EXPOSURE:	Headache, sneezing and cough may occur. FUEL OIL A is an eye, skin, and respiratory tract irritant. High concentrations may cause CNS depression. Ingestion of FUEL OIL A would likely cause gastrointestinal tract irritation. Can be fatal if large amounts are inhaled or ingested.
SKIN CONTACT:	Causes skin irritation. May be harmful if absorbed through the skin. Prolonged or repeated contact may dry/defat the skin and cause irritation.
INHALATION:	Coughing and upper respiratory tract irritation may occur.
EYE CONTACT:	Irritating to the eyes.
INGESTION:	Ingestion would likely cause gastrointestinal tract irritation. Aspiration into the lungs may cause chemical pneumonia.
CHRONIC HEALTH EFFECTS:	Prolonged and repeated exposure to vapors may cause damage to the CNS, lungs and kidneys. Prolonged or repeated skin contact may cause defatting and dermatitis.
CONDITIONS AGGRAVATED BY EXPOSURE:	None Known.
CARCINOGENICITY:	FUEL OIL A is not listed as a human carcinogen by NTP, IARC, or OSHA.

SECTION 4: FIRST AID MEASURES

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.
For specific information refer to the EMERGENCY OVERVIEW in Section 3 of this MSDS.

EYE CONTACT:	Check for and remove any contact lenses. Irrigate with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.
SKIN CONTACT:	Remove contaminated clothing. Flush skin for at least 15 minutes. Cover irritated skin with emollient. For serious skin exposure wash with disinfectant soap and cover contaminated skin with an antibacterial cream. Seek immediate medical attention. Thoroughly clean contaminated clothing before reuse; discard contaminated leather goods (gloves, shoes, wallets, belts, etc.).
INHALATION:	Remove subject to fresh air. If breathing has stopped, perform artificial respiration. When breathing is difficult, properly trained personnel may assist the affected person by administering oxygen. Keep the affected person warm and at rest. Seek medical attention immediately.
INGESTION:	DO NOT induce vomiting. If vomiting does occur, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to an unconscious person. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical attention immediately.

SECTION 5: FIRE FIGHTING

FLAMMABILITY CLASSIFICATION:	IIIB Combustible Liquid
FLASH POINT:	>200°F (93°C) (PMCC)
AUTO-IGNITION TEMPERATURE:	685°F (363°C) (oleic acid); 743°F (395°C) (stearic acid)
FLAMMABLE LIMITS:	None Known
NFPA RATING:	HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1 SPECIAL: NA
HAZARDOUS COMBUSTION PRODUCTS:	Carbon oxides (CO, CO2)
SPECIAL CONDITIONS TO AVOID:	High temperatures, incompatible materials, light, exposure to air, excess heat. Oil soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap and water and dry in well ventilated area.
NORMAL EXTINGUISHING MEDIA:	Alcohol-resistant foam, carbon dioxide, dry chemical.
FIRE FIGHTING INSTRUCTIONS:	PPE: Wear a NIOSH-approved positive pressure self-contained breathing apparatus and firefighter's turnout gear. Containers exposed to intense heat should be cooled with water to prevent pressure build up; clear area of unprotected personnel. Fight from a maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discoloration of vessel. ALWAYS stay away from the ends of 'bullet' tanks.

SECTION 6: ACCIDENTAL RELEASE MEASURES

RELEASE RESPONSE:	Eliminate all sources of ignition. Stop leak if without risk. Use water spray curtain to divert vapor drift. Prevent entry into waterways, sewers, basements, or confined areas; dike if needed. Pick up small spills with inert absorbent materials. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface. Depending on the size and nature of the release, all responders may need to be HAZWOPER trained and local, state, and federal authorities may need to be notified.

SECTION 7: HANDLING AND STORAGE

HANDLING:	Do not handle near heat, sparks, or open flame. Avoid contact with incompatible agents. Use only with adequate ventilation or personal protection. Avoid breathing vapors and contact with eyes, skin and clothing. Metal containers involved in the transfer of this material should be grounded and bonded. Do not puncture, drag, or slide container. Drum is not a pressure vessel; never use pressure to empty.
STORAGE:	Keep containers tightly closed in a cool, well-ventilated place, at temperatures between 50°F and 120°F, and keep away from excessive heat, and ignition sources. Store out of the sun and away from oxidizers and other combustible material by a distance of at least 20 feet. Ground all equipment containing this material.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommend exposure limits. If user operations generate fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

PERSONAL PROTECTION

INHALATION:	A respiratory protection program that meets OSHA's 29CFR1910.134 or ANSI Z88.2 requirements must be followed, whenever workplace conditions warrant respirator use.
SKIN:	Appropriate protective clothing should be worn to prevent skin contact. Avoid using rubber compounds such as buna-N, nitrile, and natural rubber which will degrade and leak. PVC-coated gloves recommended to prevent skin contact (biodiesel).
EYES:	Safety glasses for normal use. Goggles and face shield should be used if there is the chance of liquid splash or spray.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY (H20 = 1) :	0.8871 - 0.8762	BOILING POINT:	>380°F (193°C)
VAPOR DENSITY (AIR = 1) :	>1 (biodiesel)	VAPOR PRESSURE, mmHg:	<2 (biodiesel)
MELTING PT:	NA	WATER SOLUBILITY:	Insoluble in cold water
pH:	5.0-7.0	VISCOSITY:	4.815 cSt at 50°C (D445)
EVAPORATION RATE (butyl acetate=1):	<1 (biodiesel)	CLOUD POINT:	63°F (17°C)

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	The product is stable when handled as prescribed.
CONDITIONS TO AVOID:	High temperature. All sources of ignition. Incompatible materials, light, exposure to air.
INCOMPATIBILITY WITH:	Strong oxidizing agents, alkalis, reducing agents, bases. {Palmitic Acid: Reactive with oxidizing agents, reducing agents, alkalis.} {Oleic Acid: Strong oxidizing agents, perchloric acid, powdered aluminum.} {Biodiesel: May soften and degrade certain types of rubber compounds used for hoses and gaskets (buna-N, nitrile, natural rubber) and may cause them to leak and degrade to the point where they crumble and become useless. Will degrade and form high sediment levels if contacted for long periods by copper or copper containing metals (brass, bronze) or with lead, tin, or zinc (galvanized surfaces).}
HAZARDOUS PRODUCTS OF DECOMPOSITION:	When heated to decomposition it emits acrid smoke and irritating fumes.
HAZARDOUS POLYMERIZATION:	Is not expected to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

PALMITIC ACID	Toxicity to Animals: Acute oral toxicity (LD50): >10000 mg/kg [Rat]
STEARIC ACID	Toxicity to Animals: Acute oral toxicity (LD50): 4640 mg/kg [Rat]. Acute dermal toxicity (LD50): >5000 mg/kg [Rabbit]. Special Remarks on Chronic Effects on Humans: May cause cancer based on animal test data
OLEIC ACID	LD50/LC50: Draize test, rabbit, eye: 100 mg Mild; Oral, mouse: LD50 = 28 gm/kg; Oral, rat: LD50 = 25 gm/kg; Human Skin Draize 15 mg/3D intermittent; REACTION: Moderate.
LINOLEIC ACID	Oral, mouse: LD50 = >50 gm/kg; Teratogenicity: Teratogenic effects have been observed in experimental animals.

SECTION 12: ECOLOGICAL INFORMATION

PALMITIC & STEARIC ACIDS	Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
OLEIC ACID	Ecotoxicity: Fish: Fathead Minnow: LC50 = 205 mg/L; 96 Hr.; Static condition
LINOLEIC ACID	Ecotoxicity: No data available. Invertebrate toxicity:EC50 (duration unspecified) purple sea urchin 0.28-1.07 mg/kg inhibited fertilisation (Cherr,G.N. et al Environ.Toxicol.Chem. 1987, 6(7), 561-569). Environmental: Anaerobic effects: Readily biodegradable in batch bioassay inoculated with anaerobic granular sludge at 30°C and 35-200 mg/l linoleic acid (Sierra-Alvarrez,R. et al Environ.Technol.1990, 11(10), 891-898).Degradation studies: The correlation between BOD and COD for fatty acids was studied. COD values were 1.2-29.6% ThOD averaging 8.38%. BOD values were 12.7-98.8% ThOD averaging 71% BOD/COD ratio 2.76-52.9% (Matsuoka,C. et al Kenkyu =kiyo-Tokushima Bunri Daigaku 1987, 34, 193-199 (Japan.)).

SECTION 13: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:	Fatty Acid Ester		
DOT HAZARD CLASS:	Not Applicable		
UN ID:	Not Applicable		
PACKING GROUP:	Not Applicable	MARINE POLLUTANT:	Not Applicable
REPORTABLE QUANTITY:	Not Applicable	NAER GUIDEBOOK:	Not Applicable
LABEL/PLACARD:	Not Applicable	DOT STATUS:	Not a Regulated Material

SECTION 14: REGULATORY INFORMATION

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 SARA TITLE III AND 40 CFR 372: NONE

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS's THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, CXI MAKES NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE COMPLETENESS OR ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. CXI ASSUMES NO RESPONSIBILITY FOR, AND EXPRESSLY DISCLAIMS LIABILITY FOR, LOSS OR INJURY ARISING OUT OF CONTACT WITH OR USE OF THE PRODUCT DESCRIBED HEREIN.

REVISED: February 16, 2009, # 0

Laboratory Analysis Report

Total Number of Pages: 12

Job ID : 09040335

1

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

Client Project Name :
0409-12 Kinder Morgan-Witter (Fuel Oil)

Report To :

Client Name:	CES Environmental
Attn:	Matt Bowman
Client Address:	4904 Griggs Rd
City, State, Zip:	Houston, Texas, 77021

P.O.#.: 0409-12
Sample Collected By: Shannon Ward
Date Collected: 04/14/09

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

Client Sample ID	Matrix	A&B Sample ID
0409-12 Fuel Oil	Sludge	09040335.01

Shantall Carpenter

Released By: Shantall Carpenter
Title: Project Manager
Date: 4/21/2009

This Laboratory is NELAP (T104704213-08B-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 : 04/16/2009 10:10

EPAHO111000994

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 09040335

Date: 4/21/2009

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

EPAHO111000995

LABORATORY TEST RESULTS

Job ID : 09040335

Date 4/21/2009

Client Name: CES Environmental
Attn: Matt Bowman
Project Name: 0409-12 Kinder Morgan-Witter (Fuel Oil)

Client Sample ID: 0409-12 Fuel Oil
Date Collected: 04/14/09
Time Collected: 08:00
Other Information:

Job Sample ID: 09040335.01
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				04/20/09 08:20	SG
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.04	5.0		04/17/09 15:15	TK
	Barium	0.103	mg/L	1	0.04	100.0		04/17/09 15:15	TK
	Cadmium	BRL	mg/L	1	0.04	1.0		04/17/09 15:15	TK
	Chromium	BRL	mg/L	1	0.04	5.0		04/17/09 15:15	TK
	Lead	BRL	mg/L	1	0.04	5.0		04/17/09 15:15	TK
	Selenium	BRL	mg/L	1	0.1	1.0		04/17/09 15:15	TK
	Silver	BRL	mg/L	1	0.04	5.0		04/17/09 15:15	TK
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/Kg	1	25			04/17/09 08:26	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	BRL	mg/Kg	0.5	12.5			04/17/09 08:26	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.0005	0.2		04/17/09 13:44	TK
SW-846 8021B	TCLP BTEX & MTBE								
	Benzene	0.019	mg/L	5	0.01	0.5		04/17/09 15:11	HK
	Trifluorotoluene(surr)	91	%	5	75-125			04/17/09 15:11	HK
SW-846 9045D	Corrosivity, pH								
	pH	6.50	s.u.					04/17/09 14:25	RK

1828

EPAHO111000996

QUALITY CONTROL CERTIFICATE

Job ID : 09040335 **Date :** 4/21/2009

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

QC Batch ID : Qb09041715 **Created Date :** 04/17/09 **Created By :** Tkhuc

Samples in This QC Batch : 09040335.01

Digestion :	PB09041712	**Prep Method :**	SW-846 3010A	**Prep Date :**	04/17/09 10:00	**Prep By :**	Tkhuc
TCLP Prep :	PB09041709	**Prep Method :**	SW-846 1311	**Prep Date :**	04/16/09 16:05	**Prep By :**	Sgarcia

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	1.93	96.5	2	2.00	100	3.6	20	80-120	
Barium	2	1.80	90	2	1.85	92.5	2.7	20	80-120	
Cadmium	2	1.80	90	2	1.85	92.5	2.7	20	80-120	
Chromium	2	1.84	92	2	1.89	94.5	2.7	20	80-120	
Lead	2	1.91	95.5	2	1.94	97	1.6	20	80-120	
Selenium	2	1.93	96.5	2	2.01	101	4.1	20	80-120	
Silver	2	1.95	97.5	2	2.01	101	3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 09040335.01

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	1.92	96						45-138	
Barium	0.103	2	1.83	86.4						39-135	
Cadmium	BRL	2	1.77	88.4						56-125	
Chromium	BRL	2	1.82	90.4						52-125	
Lead	BRL	2	1.86	93						55-125	
Selenium	BRL	2	1.92	95.9						18-137	
Silver	BRL	2	1.93	96.5						26-148	

Refer to the Definition page for terms.

EPAHO111000997

QUALITY CONTROL CERTIFICATE

Job ID : 09040335 **Date :** 4/21/2009

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

QC Batch ID : Qb09041716 **Created Date :** 04/17/09 **Created By :** Sathish

Samples in This QC Batch : 09040335.01

Digestion :	PB09041714	**Prep Method :**	SW-846 7470A	**Prep Date :**	04/17/09 10:00	**Prep By :**	Sathish
TCLP Prep :	PB09041709	**Prep Method :**	SW-846 1311	**Prep Date :**	04/16/09 16:05	**Prep By :**	Sgarcia

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	0.0049	97.2	0.005	0.0050	100	2.8	35	71-143	

QC Type: MS and MSD
QC Sample ID: 09040217.06

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	0.0053	105	0.005	0.0052	104	1.3	35	61-175	

Refer to the Definition page for terms.

EPAHO111000998

QUALITY CONTROL CERTIFICATE

Job ID : 09040335 **Date :** 4/21/2009

Analysis : Corrosivity, pH **Method :** SW-846 9045D **Reporting Units :** s.u.

QC Batch ID : Qb09041718 **Created Date :** 04/17/09 **Created By :** Rkurup

Samples in This QC Batch : 09040335.01

QC Type: Duplicate

QC Sample ID: 09040321.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	7.48	7.52	s.u.	0.5	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.00	3.98							3.95-4.05	

Refer to the Definition page for terms.

EPAHO111000999

QUALITY CONTROL CERTIFICATE

Job ID : 09040335 **Date :** 4/21/2009

Analysis : Reactive Sulfide **Method :** SW-846 7.3 **Reporting Units :** mg/Kg

QC Batch ID : Qb09041727 **Created Date :** 04/17/09 **Created By :** Ksudha

Samples in This QC Batch : 09040335.01

Sample Preparation : PB09041722 **Prep Method :** SW-846 7.3 **Prep Date :** 04/17/09 08:25 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Sulfide		BRL	mg/Kg	0.5	12.5		

QC Type: Duplicate

QC Sample ID: 09040257.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	BRL	BRL	mg/Kg		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	800	80	1000	840	84	4.9	20	40-120	

Refer to the Definition page for terms.

EPAHO111001000

QUALITY CONTROL CERTIFICATE

Job ID : 09040335 **Date :** 4/21/2009

Analysis : **Reactive Cyanide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb09041728 **Created Date :** 04/17/09 **Created By :** Ksudha

Samples in This QC Batch : 09040335.01

Sample Preparation : PB09041723 **Prep Method :** SW-846 7.3 **Prep Date :** 04/17/09 08:25 **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: 09040217.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	0.2	BRL	mg/Kg	10.4	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	2.3	45	5.0	2.2	43.5	3.5	20	40-120	

Refer to the Definition page for terms.

EPAHO111001001

QUALITY CONTROL CERTIFICATE

Job ID : 09040335 **Date :** 4/21/2009

Analysis : TCLP BTEX & MTBE **Method :** SW-846 8021B **Reporting Units :** mg/L

QC Batch ID : Qb09042009 **Created Date :** 04/20/09 **Created By :** Hkhuc

Samples in This QC Batch : 09040335.01

Sample Preparation : PB09042007 **Prep Method :** SW-846 5030C **Prep Date :** 04/17/09 11:10 **Prep By :** Hkhuc

TCLP Prep : PB09041709 **Prep Method :** SW-846 1311 **Prep Date :** 04/16/09 16:05 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Benzene	71-43-2	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
Benzene	0.02	0.022	110	0.02	0.021	105	4.7	30	79.1-123	

QC Type: MS and MSD
QC Sample ID: 09040359.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Benzene	BRL	0.02	0.02	99.8						65-143	

Refer to the Definition page for terms.

EPAHO111001002

QUALITY CONTROL CERTIFICATE

Job ID : 09040335 **Date :** 4/21/2009

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

QC Batch ID : Qb09042029 **Created Date :** 04/20/09 **Created By :** Sgarcia

Samples in This QC Batch : 09040335.01

QC Type: Duplicate

QC Sample ID: 09040257.01

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	85	102	1.2	20	75-125	

Refer to the Definition page for terms.

EPAHO111001003

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 #: 0904 0335

5. Project #:

1. REPORT TO:		2. INVOICE TO:	
Company:	CES Environmental	Company:	
Address:	4904 Griggs Houston, TX 77021	Address:	
Contact:	Matt Bowman	Contact:	SAME
Phone:	713-676-1460	Phone:	
Fax: ☐	713-748-8664	Fax: ☐	
E-mail: ☐	mbowman@cesenvironmental.com	E-mail: ☐	

3. PO #:

4. Turnaround Time (Business Days)
- ☐ 1 Day* ☐ Other
- ☐ 2 Days*
- ☒ 3 Days* *Surcharge applies
- ☐ 7 Days - Standard

6. Project Name/Location: Kinder Morgan-Witter (Fuel Oil)

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Shannon Ward, CES Environmental — Sampler's Signature & Date: 4/14/09

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Air	Other	No. of Containers	Analyses/Methods: TCLP Benzene	TCLP Metals 8	RCI	18. REMARKS
Page 1 of 1	~~0409-12 Fuel Oil~~															
AA	0409-12 Fuel Oil	4/14/09	8:00	X				X				3	X	X	X	

13. 14. Containers* 15. Preservatives** 16. PH-Lab Only 17.

19. RELINQUISHED BY

		DATE	TIME
1	Shannon Ward	4/16/09	10:19 am
2			
3			

20. RECEIVED BY

	DATE	TIME

21. RECEIVED BY LABORATORY: [signature] — 4/16/09 — 10:40

22. KNOWN HAZARDS/COMMENTS

Temperature: 21.0 °C

Intact: Y or N — Initials: SW

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 #:

PM

EPAHO111001004

Sample Condition Checklist

Date : **04/21/09**

A&B JobID : **09040335**	Date Received : **04/16/2009**	Time Received : **10:10AM**
Client Name : **CES Environmental**		
Temperature : **21.0°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**	N/A	
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:

Client was notified by D.Wright when she dropped off the samples that the temperature requirements were not met and she said it was ok to run the analysis.

Received by : Dwright

Check in by/date : Dwarner / 04/16/2009