

GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK OR TYPE (Eltte, 12-pitch).

SUBMITTED TO WASTE TECH SERVICES

DATE: June 16, 1989

WTS 005.3

Waste Profile Sheet Code

A. GENERAL INFORMATION

1. Generator Name: PPG Industries, Inc. 2. Generator USEPA ID: LAD 008086506
3. Facility Address: P. O. Box 1000 4. Generator State ID: Same
Lake Charles, LA
(Columbia Southern Road) 5. Zip Code: 70602
6. Technical Contact: 7. Title: 8. Phone: () -

B. MAIL WASTE TECH SERVICES

INVOICES TO 1. ☒ Generating Facility (A, above), or

2. Company Name: 3. Phone: () -

4. Address: 5. Zip Code:

C. 1. NAME OF WASTE Trench Clean-out

2. PROCESS GENERATING WASTE Chlorinated hydrocarbon production, WTU

3. Is this waste a Dioxin listed waste as defined in 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028)?

☐ Yes ☒ No If yes, DO NOT COMPLETE this form.

D. PHYSICAL CHARACTERISTICS OF WASTE

Color: Black	2. Does the waste have a strong incidental odor? ☐ No ☒ Yes If known, describe: Acrid	3. Physical State @ 70°F: ☐ Solid ☒ Semi-Solid ☐ Liquid ☐ Powder Other:	4. Layers: ☐ Multilayered ☒ Bi-layered ☐ Single Phased	5. Specific Gravity: Range: 1.20 - 1.25	6. Free Liquids: ☒ Yes ☐ No Volume: 30-50 %
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7 pH: ☐ ≤ 2 ☒ > 2-4 ☐ 4-7 ☐ 7 ☐ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☐ Range ☐ NA

8. Liquid Flash Point: ☐ < 73°F ☐ 73-99°F ☒ 100-139°F ☐ 140-199°F ☐ ≥ 200°F ☐ None ☐ Closed Cup ☐ Open Cup

E. CHEMICAL COMPOSITION

	RANGE MIN. - MAX.	%
Chloroethane	6 - 8.5	%
Trichloromethane	0.06 - 0.11	%
1,2-Dichloroethane	2 - 4	%
Tetrachloromethane	0.05 - 0.09	%
Trichloroethene	0.07 - 0.11	%
1,1,2-Trichloroethane	3 - 5	%
1,1,1,2-Tetrachloroethane	0.5 - 1.25	%
1,1,2,2-Tetrachloroethane	1.5 - 3.5	%
Tetrachloroethene	1.7 - 2.1	%
Pentachloroethane	1.5 - 3.0	%
Hexachloroethane	2.5 - 4.0	%
Hexachlorobutadiene	10 - 13	%
Para-dichlorobenzene	105 - 10%	%
Unknown chlorinated hydrocarbons	38-47%	%
TOTAL:		%

Indicate if this waste contains any of the following:

	NONE or LESS THAN or ACTUAL	
PCB's	☐ ☒ < 50 ppm	42 ppm
Cyanides	☐ < 50 ppm	ppm
Phenolics	☐ < 50 ppm	ppm
Sulfides	☐ < 50 ppm	ppm

F. METALS Indicate if this waste contains any of the following:

METAL	1. ☐ EP TOX/TCLP	or	2. ☐ Total	LESS THAN or ACTUAL
				(Parts Per Million)
Arsenic	☐ < 5	☐ < 500	UNK	
Barium	☐ < 100		unk	
Cadmium	☐ < 1	☐ < 100	UNK	
Chromium	☐ < 5		UNK	
Lead	☐ < 5	☐ < 500	UNK	
Mercury	☐ < 0.2	☐ < 20	UNK	
Selenium	☐ < 1	☐ < 100	UNK	
Silver	☐ < 5		UNK	
Chromium-Hex	☐ < 5	☐ < 500	UNK	
Copper	☐ < 5		UNK	
Nickel	☐ < 5	☐ < 134	UNK	
Thallium	☐ < 5	☐ < 130	UNK	
Zinc	☐ < 5		UNK	

SL 021591

1-701

WASTE ANALYSIS REPORT
Environmental Laboratory
PPG Industries, Inc., Lake Charles, La.

Sample: Still line trench cleanout at Per Tri.
(WTS-005.4)

Location of Sample: Being drummed at Per Tri.

Sample Collector: W. H. Cooper

Sample Method/Device: Random grab - dipper

Date/Time of Sampling: 8-10-90 11:35 am

Date All Analyses Completed: 8-31-90 Report Submitted By: Garv Prejean
Date: 9-14-90

ANALYSIS RESULTS

Test Parameters		Standard					Lab Log Sample No 1373			
Ignitability	✓) N/A	140°F								
Corrosivity	pH	2-12.5								
	✓) N/A inch/yr	0.250 max								
Reactivity										
	✓) N/A									
TCLP Toxicity (mg/L)	As	5.0 max	ND							
	Ba	100.0 max	2.20							
	Cd	1.0 max	0.09							
	Cr	5.0 max	ND							
	Pb	5.0 max	0.66							
	Hg	0.2 max	ND							
	Se	1.0 max	0.04							
	Ag	5.0 max	0.05							
N/A										

CHLORINATED HYDROCARBONS (ppm)		PCBs	
Chloroethene	(VC)		ppm
Chloroethane	(EC)		
Dichloromethane	(MeCl ₂)		
1,1-Dichloroethene	(VDC)	0.31	Heat
1,1-Dichloroethane	(DCE)		Value
1,2-Dichloroethene	(cis/trans)		BTC/lb
Trichloromethane	(CHCl ₃)	0.11	Chlorine
1,2-Dichloroethane	(EDC)	0.98	%
(if needed) 1,1,1-Trichloroethane	(MC)		Water
() N/A Tetrachloromethane	(CCl ₄)	0.26	wt%
	(Trichlor)	19.20	Density
	(TCE)	10.10	g/ml
	(Perchlor)	523.00	Ash
	(unsym)		wt%
	(sym)		Sodium
1,1,1,2-Tetrachloroethane	(Penta)		wt%
1,1,2,2-Tetrachloroethane	(p-DCB)		
Pentachloroethane	(HEXA)		
para-Dichlorobenzene	(HCB ₂)		
Hexachloroethane			
Hexachlorobutadiene			
Unknown ClHC			
Total ClHC	(ppm)	663.96	- SL 021606

Disposal Method: Incineration Profile No: WTS - 005.4
Waste Tech

TEST PROCEDURE

LAB LOG NO. 1373

PARAMETER	METHOD USED																																										
Ignitability ☒ N/A	☐ Pensky-Martens Closed Cup Tester ASTM Standard D-93-79	☐ Setflash Closed Cup Tester ASTM Standard D-3278-78	☐ Other (Specify)																																								
Corrosivity (pH) ☒ N/A	☐ SW-846 Method 9040 pH measurement	☐ Other (Specify)																																									
Corrosivity (inches/year) ☒ N/A	☐ National Association of Corrosion Engineers Standard TM-01-69	☐ Other (Specify)																																									
Reactivity ☒ N/A (One affirmative answer will classify waste reactive)	1. Normally unstable without detonating? 2. Reacts violently with water? 3. Forms potentially explosive mixture with water? 4. Cyanide or sulfide bearing waste which can generate toxic gases, vapor or fumes under pH conditions between 2 and 12.5? 5. Capable of detonation or explosive reaction if subjected to strong initiating source or if heated under confinement? 6. Readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure? 7. Forbidden Class A, or Class B explosive as defined in 49CFR 173.51, 173.53, and/or 173.88?																																										
EP Toxicity SW-846 Method 1319 ☒ N/A	<table border="1"> <thead> <tr> <th>Parameter</th> <th>SW 846 Method</th> </tr> </thead> <tbody> <tr><td>As</td><td>6010</td></tr> <tr><td>Ba</td><td>6010</td></tr> <tr><td>Cd</td><td>6010</td></tr> <tr><td>Cr</td><td>6010</td></tr> <tr><td>Pb</td><td>6010</td></tr> <tr><td>Hg</td><td>7470</td></tr> <tr><td>Se</td><td>6010</td></tr> </tbody> </table>	Parameter	SW 846 Method	As	6010	Ba	6010	Cd	6010	Cr	6010	Pb	6010	Hg	7470	Se	6010	<table border="1"> <thead> <tr> <th>Parameter</th> <th>SW 846 Method</th> </tr> </thead> <tbody> <tr><td>Ag</td><td>6010</td></tr> <tr><td>CHC</td><td>5030</td></tr> <tr><td>Sodium</td><td>3050, 6010</td></tr> <tr><td>PH</td><td>3045</td></tr> </tbody> </table>	Parameter	SW 846 Method	Ag	6010	CHC	5030	Sodium	3050, 6010	PH	3045	<table border="1"> <thead> <tr> <th>Parameter</th> <th>SW 846 Method</th> </tr> </thead> <tbody> <tr><td>PCE</td><td>LD-2571</td></tr> <tr><td>CHC</td><td>LD-2562A</td></tr> <tr><td>Heat Value</td><td>LD-2562B</td></tr> <tr><td>Chlorine</td><td>LD-2562D</td></tr> <tr><td>Water</td><td>LD-2566</td></tr> <tr><td>Asn</td><td>LD-2561</td></tr> </tbody> </table>	Parameter	SW 846 Method	PCE	LD-2571	CHC	LD-2562A	Heat Value	LD-2562B	Chlorine	LD-2562D	Water	LD-2566	Asn	LD-2561
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TCLP* ☒ N/A																																											

*Toxicity Characteristic Leaching Procedure

LABORATORY IDENTIFICATION

Laboratory:	Test Parameters Analyzed and Date
PPG Lake Charles	CHC 8-15-90
Analyst(s): W. Hebert	TCLP metals, volatiles, semi-volatiles 8-31-90
American Labs	

CC:

SL 021607

From: American Laboratories and
Research Services, Inc.
P.O. Box 15609
Hattiesburg, MS 39402-5609
601-264-9320

Date: August 31, 1990

To: Mr. W. H. Cooper
PPG Industries
Chemicals Division
P.O. Box 1000
Lake Charles, LA 70602

The following analytical results have been obtained for the
indicated sample which was submitted to this laboratory:

Sample I.D. AA04599

Sample location: PPGMW

Lab log 1373

Collected by: W H COOPER

Collection date: 08/10/90 Time: 11:35

Laboratory submittal date: 08/16/90 Time: 20:00

Received by: RLH

Validated by: RLH

Parameter: TCLP Extraction
Method reference: SW846-1311
Result: done
Date started: 08/20/90
Time started: 17:25

Date finished: 08/21/90
Analyst: MJF

Parameter: TCLP Metals
Method reference: SW846 3rd Ed
Result: see appended report
Date started: 08/27/90
Time started: 13:45

Date finished: 08/31/90
Analyst: JSC

Parameter: TCLP Volatile Organics
Method reference: EPA 624
Result: see appended report
Date started: 08/23/90
Time started: 14:31

Date finished: 08/23/90
Analyst: BB

SL 021608

Mr. W. H. Cooper
Page: 2
August 31, 1990

Sample I.D. AA04559 (continued)

Parameter: TCLP Semi-Volatiles
Method reference: EPA 625
Result: see appended report
Date started: 08/31/90
Time started: 02:42

Date finished: 08/31/90
Analyst: BB

LL-1373

Data for TCLP Metals mg/L

Component Name	Concentration	Component MDL
Arsenic, TCLP	Not Det	.005
Barium, TCLP	2.2	.1
Cadmium, TCLP	.09	.01
Chromium, TCLP	Not Det	.03
Lead, TCLP	.66	.04
Mercury, TCLP	Not Det	.005
Selenium, TCLP	.040	.005
Silver, TCLP	.05	.03

Data for TCLP Volatile Organics ug/L

Component Name	Concentration	Component MDL
Benzene	Not Det	10
Carbon Tetrachloride	54	10
Chlorobenzene	74	10
Chloroform	77	10
1,2-Dichloroethane	130	10
1,1-Dichloroethene	67	10
Methyl Ethyl Ketone	Not Det	10
Tetrachloroethene	40000	10
Trichloroethene	2300	10
Vinyl Chloride	Not Det	10
Pyridine	Not Det	100

SL 021609

Mr. W. H. Cooper
Page: 3
August 31, 1990

Sample I.D. AA04599 (continued)

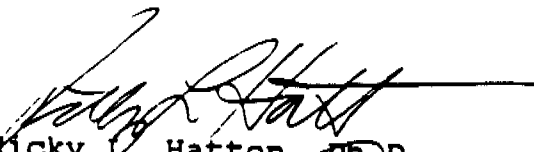
Data for TCLP Semi-Volatiles ug/L

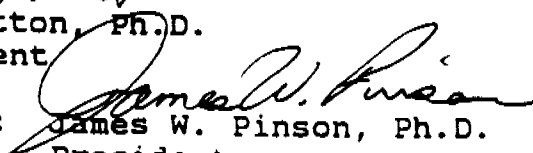
Component Name	Concentration	Component MDL
1,4-Dichlorobenzene	34	10
Hexachloroethane	24	10
Nitrobenzene	Not Det	10
Hexachlorobutadiene	40	10
2,4-Dinitrotoluene	Not Det	10
Hexachlorobenzene	Trace	10
Cresols, total	Not Det	10
2,4,6-Trichlorophenol	Not Det	10
2,4,5-Trichlorophenol	Not Det	50
Pentachlorophenol	Not Det	50
2,4-D	Not Det	100
2,4,5-TP (Silvex)	Not Det	10
Chlordane	Not Det	10
Endrin	Not Det	2
Heptachlor	Not Det	1
Heptachlor Epoxide	Not Det	1
Lindane	Not Det	1
Methoxychlor	Not Det	10
Toxaphene	Not Det	20

Comments:

Reference Lab Report No. R1385.

If there are any questions regarding this data, please call.


Ricky L. Hatton, Ph.D.
Vice President

Reviewed By: 
James W. Pinson, Ph.D.
President

SL 021610