GENERATOR'S WASTE MATERIAL PROFILE SHEET

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

SUBMITTED TO WASTE TECH SERVICES
DATE: June 21, 1989

WTS - 005.4
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 Lake Charles, LA (Columbia Southern Road)
4. Generator State ID: Same
5. Zip Code: 70602
6. Technical Contact: W. H. Cooper
7. Title: Assoc. Res. Chemist
8. Phone: (318) 491-4250

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** Sump and Trench Cleanout from Derivatives

2. **PROCESS GENERATING WASTE** Chlorinated hydrocarbon production

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

1. Color:	2. Does the waste have a strong incidental odor?	3. Physical State @ 70°F:	4. Layers:	5. Specific Gravity:	6. Free Liquids:
Black	☐ No ☒ Yes If known, describe: Acrid	☐ Solid ☒ Semi-Solid ☐ Liquid ☐ Powder Other:	☐ Multilayered ☒ Bi-layered ☐ Single Phased	Range: 1.2 - 1.7	☒ Yes ☐ No Volume: 30-50 %

7. pH: ☐ ≤ 2 ☐ > 2-4 ☐ 4-7 ☐ 7 ☐ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☒ Range 4 - 8 ☐ 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

1.

	RANGE MIN. - MAX.	
Chloroethene	.01 - .20	%
Chloroethane	.50 - 4.00	%
1,1-Dichloroethene	.01 - 0.10	%
1,1-Dichloroethane	.01 - 0.15	%
Trichloromethane	.20 - 2.50	%
1,2-Dichloroethane	.10 - 10.00	%
Tetrachloromethane	0.05 - 0.15	%
Trichloroethene	.01 - 2.00	%
1,1,2-Trichloroethane	.05 - 1.50	%
1,1,1,2-Tetrachloroethane	.05 - 1.50	%
1,1,2,2,-Tetrachloroethane	.02 - 1.50	%
Tetrachloroethene	.02 - 15.00	%

Please note: The chemical composition total in the maximum column must be greater than or equal to 100%. TOTAL: (See Attached) %

2. Indicate if this waste contains any of the following:

	NONE	or LESS THAN	or ACTUAL
PCB's	☐	☒ < 50 ppm	0-20 ppm
Cyanides	☐	☐ < 50 ppm	____ ppm
Phenolics	☐	☐ < 50 ppm	____ ppm
Sulfides	☐	☐ < 50 ppm	____ ppm

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

1. ☐ EP TOX/TCLP or 2. ☒ Total

METAL	LESS THAN	or	ACTUAL (Parts Per Million)
Arsenic	☐ < 5	☐ < 500	1.0-7.
Barium	☐ < 100		UNK
Cadmium	☐ < 1	☐ < 100	UNK
Chromium	☐ < 5		300-90
Lead	☐ < 5	☐ < 500	60-800
Mercury	☐ < 0.2	☐ < 20	UNK
Selenium	☐ < 1	☐ < 100	UNK
Silver	☐ < 5		UNK
Chromium-Hex	☐ < 5	☐ < 500	UNK
Copper	☐ < 5		5-230
Nickel	☐ < 5	☐ < 134	800 -2
Thallium	☐ < 5	☐ < 130	2.0-3.
Zinc	☐ < 5		60-700
_____	☐ <		_____
_____	☐ <		_____
_____	☐ <		_____

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GENERATOR'S WASTE MATERIAL PROFILE SHEET (C ntinued)

WTS-005.4
Waste Profile Sheet Code

G. OTHER HAZARDOUS CHARACTERISTICS

1. Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005)? ☐ Yes ☒ No
2. Does this waste contain greater than 1000 ppm total halogenated organic compounds? ☒ Yes ☐ No
3. Indicate if this waste is any of the following:
   - ☐ RCRA Reactive
   - ☐ Water Reactive
   - ☐ Explosive
   - ☐ Shock Sensitive
   - ☐ Pyrophoric
   - ☐ Radioactive
   - ☐ Etiological
   - ☐ Pesticide Manufacturing Waste
   - ☐ Other _____
   - ☒ None of the above

H. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS or INCINERATION

		LESS THAN	or	ACTUAL
Beryllium	☒ <	5000 ppm		_____ ppm
Potassium	☒ <	5000 ppm		_____ ppm
Sodium	☒ <	5000 ppm		_____ ppm
Total Bromine	☐ <	2 %		_____ %
Total Chlorine	☐ <	35 %		_____ %
Total Fluorine	☐ <	1 %		_____ %
Total Sulfur				_____ %

I. OPTIONAL — RECLAMATION, FUELS, OR INCINERATION PARAMETERS Provide if information is available.

Range

1. Heat Value (BTU/lb): 100 - 1500 2. Water: 30-55 %
3. Viscosity (cps): UNK @ ☐ _____ °F ☐ 100°F ☐ 150°F
4. Ash: 5-60 % 5. Settleable solids: _____ %
6. Vapor Pressure @ STP (mm/Hg): _____
7. Is this waste a pumpable liquid? ☐ Yes ☒ No
   Type of pump? _____
8. Can this waste be heated to improve flow? ☐ Yes ☒ No
9. Is this waste soluble in water? ☐ Yes ☒ N
10. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? ☐ Yes ☒ N

J. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material? ☒ Yes ☐ No 2. Anticipated Annual Volume/Units: UNK /
3. Proper Shipping Name: Hazardous Waste, Liquid, n.o.s., ORM-E, F024 RQ
4. Hazard Class: ORM-E 5. I.D. #: NA9189
6. Additional Descnption: (NA 9189)
7. Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (Type/Size): DOT-21C 55 gal Other: _____
8. CERCLA Reportable Quantity (RQ): _____ 9. RQ Units (lb/kg): lb.
10. USEPA Hazardous Waste? ☒ Yes ☐ No 11. USEPA Hazardous Waste Number(s): F024
12. State Hazardous Waste? ☒ Yes ☐ No 13. State Hazardous Waste Number(s): F024

K. SPECIAL HANDLING INFORMATION _____

☐ Additional Page(s) Attached

L. GENERATOR CERTIFICATION I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

1. W. H. Cooper / APP
   Signature
2. Associate Research [illegible]mi
   Title
3. W. H. COOPER
   Name (Type or Print)
4. JUNE 21, 1989
   Date

SL 021593

GENE. .TOR'S WASTE MATERIAL PROFI. . SHEET

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

SUBMITTED TO WASTE TECH SERVICES
DATE: December 10, 1990

WTS -005.4
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 Lake Charles, LA (Columbia Southern Road)
4. Generator State ID: Same
5. Zip Cod : 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** Sump and Trench Cleanout from Derivatives
2. **PROCESS GENERATING WASTE** Chlorinated Hydrocarbon Production
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

1. Color:	2. Does the waste have a strong incidental odor?	3. Physical State @ 70°F:	4. Layers:	5. Specific Gravity:	6. Free Liquids:
Tan to Black	☒ No ☐ Yes If known, describe:	☐ Solid ☒ Semi-Solid ☐ Liquid ☐ Powder Other:	☐ Multilayered ☒ Bi-layered ☐ Single Phased	Range: 1.2 - 1.7	☒ Yes ☐ No Volume: 10-30 %

7. pH: ☐ ≤ 2 ☐ > 2-4 ☐ 4-7 ☐ 7 ☐ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☒ Range 4 - 8 ☐ 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

1.

	RANGE MIN.	MAX.	
Solids (dirt, sand, catalyst, shell, etc.)	30	90	%
			%
Water	10	30	%
Chlorinated hydrocarbons			%
(mixture of C_1-C_4 mixture)	0.1	70	%
			%
			%
			%
			%
			%
			%
			%

Please note: The chemical composition total in the maximum column must be greater than or equal to 100%. **TOTAL:** ____ %

2. Indicate if this waste contains any of the following:

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

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

1. ☒ ~~EP-TOX~~/TCLP or 2. ☐ Total

METAL	LESS THAN	or	ACTUAL (Parts Per Million)
Arsenic	☒ < 5	☐ < 500	
Barium	☒ < 100		
Cadmium	☒ < 1	☐ < 100	
Chromium	☒ < 5		
Lead	☒ < 5	☐ < 500	
Mercury	☒ < 0.2	☐ < 20	
Selenium	☒ < 1	☐ < 100	
Silver	☒ < 5		
Chromium-Hex	☒ < 5	☐ < 500	
Copper	☐ < 5		0-5%
Nickel	☐ < 5	☐ < 134	475
Thallium	☒ < 5	☐ < 130	
Zinc	☐ < 5		unk
	☐ <		
	☐ <		
	☐		

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GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

WTS-005.4
Waste Profile Sheet Code

G. OTHER HAZARDOUS CHARACTERISTICS

1. Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005)? ☐ Yes ☒ No
2. Does this waste contain greater than 1000 ppm total halogenated organic compounds? ☒ Yes ☐ No
3. Indicate if this waste is any of the following:
   - ☐ RCRA Reactive
   - ☐ Water Reactive
   - ☐ Explosive
   - ☐ Shock Sensitive
   - ☐ Pyrophoric
   - ☐ Radioactive
   - ☐ Etiological
   - ☐ Pesticide Manufacturing Waste
   - ☐ Other _____
   - ☒ None of the above

H. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS or INCINERATION

	LESS THAN	or	ACTUAL
Beryllium	☒ < 5000 ppm		_____ ppm
Potassium	☒ < 5000 ppm		_____ ppm
Sodium	☒ < 5000 ppm		_____ ppm
Total Bromine	☒ < 2 %		_____ %
Total Chlorine	☒ < 35 %		_____ %
Total Fluorine	☒ < 1 %		_____ %
Total Sulfur			_____ %

I. OPTIONAL — RECLAMATION, FUELS, OR INCINERATION PARAMETERS Provide if information is available.

Range

1. Heat Value (BTU/lb): 100 - 1500 2. Water: 10-30 %
3. Viscosity (cps): unk @ ☐ _____ °F ☐ 100°F ☐ 150°F
4. Ash: 5-60 % 5. Settleable solids: _____ %
6. Vapor Pressure @ STP (mm/Hg): _____
7. Is this waste a pumpable liquid? ☐ Yes ☒ No
   Type of pump? _____
8. Can this waste be heated to improve flow? ☐ Yes ☒ No
9. Is this waste soluble in water? ☐ Yes ☒ No
10. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? ☐ Yes ☒ N

J. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material? ☒ Yes ☐ No 2. Anticipated Annual Volume/Units: _____ /
3. Proper Shipping Name: Hazardous Waste liquid,n.o.s.,ORM-E,NA9189 RQ*
4. Hazard Class: ORM-E 5. I.D. #: NA 9189
6. Additional Description: (*F024, D019, D022, D029, D039, D040, D043)
7. Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (Type/Size): _____ / _____ Other: _____
8. CERCLA Reportable Quantity (RQ): 1 9. RQ Units (lb/kg): lb
10. USEPA Hazardous Waste? ☒ Yes ☐ No 11. USEPA Hazardous Waste Number(s): F024
12. State Hazardous Waste? ☒ Yes ☐ No 13. State Hazardous Waste Number(s): F024

K. SPECIAL HANDLING INFORMATION _____

☐ Additional Page(s) Attache

L. GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true an accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession c the generator has been disclosed.

1. Gerald L. Perry
   Signature
2. Env. Control Spec.
   Title
3. Gerald L. Perry
   Name (Type or Print)
4. 12/11/90
   Date

SL 021595

31-70'

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

Sample: Composite of trenches and sumps at Plt. B. (WTS-005.4)

Location of Sample: All over Plant B.

Sample Collector: W. Cooper - G. Prejean

Sample Method/Device: Random grab - dipper

Date/Time of Sampling : 9-18-90 9:15 am

Date All Analyses Completed: 10-22-90 Report Submitted By: Gary Prejean

Date: 10-30-90

ANALYSIS RESULTS

Test Parameters		Standard	Lab Log Sample No 1402
Ignitability (✓) N/A		140°F	
Corrosivity	pH	2-12.5	
(✓) N/A	inch/yr	0.250 max	
Reactivity (✓) N/A			
TCLP Toxicity (mg/L) N/A	As	5.0 max	ND
	Ba	100.0 max	0.50
	Cd	1.0 max	ND
	Cr	5.0 max	ND
	Pb	5.0 max	ND
	Hg	0.2 max	ND
	Se	1.0 max	ND
	Ag	5.0 max	ND

Other Parameters (if needed) (✓) N/A					
	CHLORINATED HYDROCARBONS (%)				
	Chloroethene	(VC)		PCBs	ppm
	Chloroethane	(EC)			
	Dichlormethane	(MeCl2)		Heat	
	1,1-Dichloroethene	(VDC)		Value	BTU/lb
	1,1-Dichloroethane	(DCE)			
	1,2-Dichloroethene	(cis/trans)		Chlorine	%
	Trichloromethane	(CHCl3)			
	1,2-Dichloroethane	(EDC)		Water	wt%
	1,1,1-Trichloroethane	(MC)			
	Tetrachloromethane	(CCl4)		Density	g/ml
	Trichloroethene	(Trichlor)			
	1,1,2-Trichloroethane	(TCE)		Ash	wt%
	Tetrachlorethene	(Perchlor)			
	1,1,1,2-Tetrachloroethane	(unsym)		Sodium	wt%
	1,1,2,2-Tetrachloroethane	(sym)			
ND/none detected	Pentachloroethane	(Penta)			
	para-Dichlorobenzene	(p-DCB)			
	Hexachloroethane	(HEXA)			
	Hexachlorobutadiene	(HCBD)			
	Unknown ClHC				
	Total ClHC	(%)			

SL 021596

Disposal Method Profile No WTS-005.4

Waste Tech

TEST PROCEDURE — LAB LOG NO. 1402

PARAMETER	METHOD USED		
Ignitability ✓ N/A	___Pensky-Martens Closed Cup Tester ASTM Standard D-93-79	____Setaflash Closed Cup Tester ASTM Standard D-3278-78	_____Other (Specify)
Corrosivity (pH) ✓ N/A	___SW-846 Method 9040 pH measurement		____Other (Specify)
Corrosivity (inch/yr) ✓ N/A	___National Association of Corrosion Engineers Standard TM-01-69		____Other (Sp cify)
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 confin ment? 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?		

TCLP*

N/A

Parameter	SW 846 Method	Parameter	SW 846 Method	Parameter	SW 846 Method
As	6010	Ag	6010	PCB	LD-2571
Ba	6010	ClHC	5030	ClHC	LD-2562A
Cd	6010	Sodium	3050,6010	Heat Value	LD-2562B
Cr	6010	pH	9045	Chlorine	LD-2562D
Pb	6010			Water	LD-2566
Hg	7470			Ash	LD-2561
Se	6010				

*Toxicity Characteristic Leaching Procedure

LABORATORY IDENTIFICATION

Laboratory: PPG Lake Charles	Test Parameters Analyzed and Date
Analyst(s): American Labs	TCLP metals, volatiles, semi-volatiles
	Total metals 10-22-90

cc:

SL 021597