



Rollins Environmental Services (TX) Inc.

P. O. Box 609, Deer Park, Texas 77536 (713) 479-6001

HO 42294

WILL BE ASSIGNED BY RES(TX).

1 BILLING INFORMATION		2 PICK-UP LOCATION													
COMPANY NAME <u>PPG Industries, Inc.</u>		COMPANY NAME <u>PPG Industries, Inc.</u>													
ADDRESS <u>P. O. Box 1000</u>		ADDRESS <u>P. O. Box 1000</u>													
CITY <u>Lake Charles</u> STATE <u>LA</u> ZIP <u>70601</u>		CITY <u>Lake Charles</u> STATE <u>LA</u> ZIP <u>7060</u>													
CONTACT <u>Jere Clark</u> PHONE <u>318 491-4215</u>		CONTACT <u>Mike Huber</u> PHONE <u>318 491 485</u>													
3 MANIFEST INFORMATION		4 GENERATOR INFORMATION													
COMPANY NAME <u>PPG Industries, Inc.</u>		USEPA ID <u>LAD-008086506</u> TWC ID <u>99922</u>													
ADDRESS <u>P. O. Box 1000</u>		NAME <u>Gerald L. Perry</u> PHONE <u>318 491 43</u>													
CITY <u>Lake Charles</u> STATE <u>LA</u> ZIP <u>70602</u>		TECHNICAL CONTACT													
CONTACT <u>Anne Corbello</u> PHONE <u>318 491 4364</u>		NAME <u>Shift Superintendent</u> PHONE <u>318 491 43</u>													
		EMERGENCY CONTACT													
5 GENERAL INFORMATION															
GENERAL WASTE DESCRIPTION <u>Trichloroethylene and Perchloroethylene Heavy Still Bottoms & Cartridges</u>															
PROCESS GENERATING WASTE <u>Production of Trichloroethylene and Perchloroethylene</u>															
QUANTITY GENERATED <u>2000 lbs</u> PER <u>year</u> FREQUENCY OF REMOVAL <u>18</u> TIME(S) PER <u>year</u>															
UNITS TIME NUMBER PERIOD															
6 SHIPPING INFORMATION															
D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO TEXAS WASTE CODE NO <u>992030</u>															
D.O.T. PROPER SHIPPING NAME <u>Hazardous Waste Solid, n.o.s.</u>															
D.O.T. HAZARD CLASS <u>ORM-E</u> D.O.T. ID. NO. <u>NA 9189</u> RO <u>1 pound</u>															
USEPA HAZARDOUS WASTE NUMBER(S) <u>K030 and Polychlorinated Biphenyls</u>															
REASON FOR THE ABOVE CLASSIFICATION(S) <u>Listed Specific Source Hazardous Waste 40 CFR 261.32</u>															
<table border="1" style="width:100%"><tr><th>HAZARDOUS SUBSTANCE</th><th>CONCENTRATION</th><th>HAZARDOUS SUBSTANCE</th><th>CONCENTRATION</th></tr><tr><td><u>Chlorinated Hydrocarbons</u></td><td><u>40-60%</u></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				HAZARDOUS SUBSTANCE	CONCENTRATION	HAZARDOUS SUBSTANCE	CONCENTRATION	<u>Chlorinated Hydrocarbons</u>	<u>40-60%</u>						
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7 SHIPPING METHOD															
☐ ENCLOSED VAN ☐ OPEN TOP VAN ☐ DUMP BIN															
☐ TANK TRUCK ☐ VACUUM TRUCK ☐ DUMP TRUCK ☐ CUSTOMER DELIVERY															
☐ TANK CAR ☒ FLATBED ☐ ROLL-OFF BIN ☐ OTHER															
8 GENERATOR'S METHOD OF COLLECTION															
DRUMS TYPE / SIZE <u>DOT 21-C/55 gal</u> TANK OTHER															
OTHER SHIPPING REQUIREMENTS OR INFORMATION															
9															
☐ ADDITIONAL DATA ATTACHED ☒ SAMPLE PROVIDED ☒ GENERATORS SAMPLE NO. <u>Lab Log #817 SL 04629</u>															

EVERY ITEM ON THIS WASTE DATA SHEET MUST BE COMPLETE

CHAMPION BUSINESS FORMS — Form No



ROLLINS ENVIRONMENTAL SERVICES
UNIFORM WASTE DATA SHEET
(SCHEDULE A)



(SHADED AREAS FOR RES USE ONLY)

DOC. NO. _____ RES SALES EXEC: # _____ STREAM NO. HO-42294
SAMPLE NO. _____ CONTRACT NO. _____

A. GENERATOR INFORMATION

1. Generator Name: PPG INDUSTRIES, INC.
2. Technical Contact: WILLIAM H. COOPER, ASSOCIATE RESEARCH CHEMIST 3. Phone No. 318-491-4250
4. Emergency Contact: SHIFT SUPERINTENDENT SAME (Title) 5. Phone No. 318-491-4340
6. Generator USEPA I.D.: LAD008086506 (Title)
7. Generator State I.D.: N/A
8. Disposal State I.D.: TWC ID 99922

B. PICK UP LOCATION

1. Company Name: PPG INDUSTRIES, INC.
2. Address: COLUMBIA SOUTHERN ROAD
3. City: WESTLAKE 4. State: LA 5. Zip Code: 70669
6. Pickup Contact: CHARLES PARNELL AREA FOREMAN, ENV. 7. Phone No. 318-491-4858
(Title)

C. MANIFEST INFORMATION

1. Company Name: PPG INDUSTRIES, INC.
2. Address: P O BOX 1000
3. City: LAKE CHARLES 4. State: LA 5. Zip Code: 70602
6. Manifest Contact: VICKI CORMIER, ENV. SECRETARY 7. Phone No. 318-491-4831
(Title)

D. INVOICE INFORMATION

1. Company Name: PPG INDUSTRIES, INC.
2. Address: P O BOX 1000
3. City: LAKE CHARLES 4. State: LA 5. Zip Code: 70602
6. Invoice Contact: GINGER BUSBY - ACCOUNTS PAYABLE CLERK 7. Phone No. 318-491-4526
(Title)

E. GENERAL WASTE DESCRIPTION

1. Name of Waste: TRICHLOROETHYLENE AND PERCHLOROETHYLENE HEAVY STILL BOTTOMS AND FILTER CART
2. Process Generating Waste: PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE
3. Quantity Generated: 2000 LBS Per YEAR (Year/Month)

F. SHIPPING INFORMATION

Yes No
☒ ☐ 1. EPA RCRA Hazardous Material
☒ ☐ 2. EPA Hazardous Waste Number(s): K030, NA9189
☒ ☐ 3. Disposal State Regulated Material
☒ ☐ 4. DOT Regulated Material
5. State Waste Number: Generating State: _____ Disposal State: 992030
6. Proper DOT Shipping Name: HAZARDOUS WASTE SOLID, N.O.S., ORM-E, NA9189 (K030 AND CONTAINS POLYCHLORINATED BIPHENYLS) RQ
7. DOT Hazard Class: ORM-E 8. DOT UN/NA No.: NA9189 9. RQ (lbs) J

G. METHOD OF SHIPMENT

1. ☒ Drums: Type/Size: DOT-21-C/55 GAL 2. ☐ Bulk: Type/Size: _____
3. ☐ Other (Please be specific): _____
4. ☐ Transportation Requirements: ENCLOSED VAN SL 046297

K. REACTIVE CHARACTERISTICS

Yes	No		Yes	No	
☐	☒	1. Explosive	☐	☒	5. Air Reactive
☐	☒	2. Pyrophoric	☐	☒	6. Reactive Cyanide: _____
☐	☒	3. Shock Sensitive	☐	☒	7. Reactive Sulfide _____
☐	☒	4. Water Reactive	☐	☒	8. Oxidizer: _____
			☐	☐	9. Other _____

L. ELEMENTAL ANALYSIS (Total Metals required for incinerable waste;
TCLP or EpTox Metals required for landfill waste.)

	Total/Units		Total/Units	TCLP or EpTox/ Units
1. Antimony	NA	7. Arsenic	< 1.2 / mg/Kg	/
2. Beryllium	NA mg/Kg	8. Barium	46 / mg/Kg	/
3. Copper	9.9 mg Kg	9. Cadmium	< 0.5 / mg/Kg	/
4. Nickel	11 mg/Kg	10. Chromium	9.1 / mg/Kg	/
5. Thallium	<2.0 mg/Kg	11. Lead	7.3 / mg/Kg	/
6. Zinc	31 mg/Kg	12. Mercury	< 0.2 / mg/Kg	/
		13. Selenium	< 1.2 / mg/Kg	/
		14. Silver	< 1.0 / mg/Kg	/

Additional Requirements for RES (TX) Inc.:

15. Manganese	28 mg/Kg	17. Silicon	NA
16. Potassium	NA	18. Sodium	NA

Additional Requirements for RES (NJ) Inc.:

19. Molybdenum		20. Vanadium	
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M. TCLP ORGANICS

D047-Tetrachlorethylene, D046-1,1,2,2-Tetrachloroethane, D030, -1,4-Dichlorobenzene
D037 Hexachloroethane, D036-Hexachlorobutadiene

N. DISPOSAL CERTIFICATIONS

1. Is this waste excluded from direct land disposal by land disposal regulations that are in effect on the date of this Waste Data Sheet?

☒ Yes ☐ No

If yes, describe which restriction(s) applies to this waste. (See 40CFR268 and 40CFR761.) _____

2. Under 40CFR268, can this waste be landfilled directly or chemically stabilized and landfilled? ☐ Yes ☒ No

If yes, completed RES Certification Form must be attached to each Manifest.

3. Under 40CFR268, should this waste be incinerated? ☒ Yes ☐ No

If yes, completed RES Certification Form must be attached to each manifest.

4. Additional information _____

I hereby certify and warrant that the information supplied on this form and on any attachments or supplements represents a complete and accurate identification and description of this waste material, its constituents and its known or suspected hazards. I further certify and warrant that this information is the result of an analysis of a representative sample of the waste obtained and analyzed in accordance with testing procedures of the U.S. Environmental Protection Agency or by the application of knowledge of the process generating the waste materials.

SIGNATURE: William H. Cooper

TITLE: Associate Research Chem

DATE: June 9, 1989

SL 046298

WASTE ANALYSIS REPORT

Environmental Laboratory
PPG Industries, Inc., Lake Charles, LA

Sample - Solids from Derivatives, Per/Tri Unit removed from Per/Tri
Location of Sample - Heavies Still Bottoms Screens
Sample Collector - Corner of Ave J & 13th St
Sample Collector - Carey Brazitis
Sample Method/Device - Random grab /scoop
Date of Sampling - 11/17/88 1015
Date All Analyses Completed - 01/11/89 Report Submitted by: F. Anne Corbello
Date : 1-24-89

ANALYSIS RESULTS

Test Parameters		Standard	Lab Log Sample Identification Number 841			
Ignitability (✓) - N/A		140 F min				
Corrosivity (✓) - N/A	pH	2 - 12.5				
	inch/yr	0.250 max				
Reactivity (✓) - N/A						
EP Toxicity (mg/L) (✓) - N/A	As	5.0 max				
	Ba	100.0 max				
	Cd	1.0 max				
	Cr	5.0 max				
	Pb	5.0 max				
	Hg	0.2 max				
	Se	1.0 max				
	Ag	5.0 max				
Other Parameters (if needed) () - N/A	CHLORINATED HYDROCARBONS (%)					
	Chloroethane	(VC)				
	Chloroethane	(EC)				
	Dichloromethane	(MeCl2)				
	1,1-Dichloroethane	(VDC)				
	1,1-Dichloroethane	(DCE)	ND			
	1,2-Dichloroethane	(cis/trans)	ND			
	Trichloromethane	(CHCl3)	ND		Calculated: 348.2 BTU/lb	
	1,2-Dichloroethane	(EDC)	ND			
	1,1,1-Trichloroethane	(MC)	ND		13.8% Cl ₂	
	Tetrachloromethane	(CCl4)	ND			
	Trichloroethane	(Trichlor)	ND			
	1,1,2-Trichloroethane	(TCE)	ND			
	1,1,1,2-Tetrachloroethane (unsym)		ND			
	1,1,2,2-Tetrachloroethane (sym)		0.03%			
	Tetrachloroethane	(Perchlor)	15.86%			
	Pentachloroethane	(Penta)	0.02%			
	Hexachloroethane	(Hexa)	ND			
	Hexachlorobutadiene	(HCBD)	0.15%			
TOTAL CLC (sum) %			16.14			

ND: None
Detected



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CITY <u>Lake Charles</u> STATE <u>LA</u> ZIP <u>70602</u>		CITY <u>Westlake</u> STATE <u>LA</u> ZIP <u>70669</u>													
CONTACT <u>Jere Clark</u> PHONE <u>318/491-4215</u>		CONTACT <u>Mike Huber</u> PHONE <u>318/491-4858</u>													
3 MANIFEST INFORMATION		4 GENERATOR INFORMATION													
COMPANY NAME <u>PPG Industries, Inc.</u>		USEPA I.D. <u>LAD-008086506</u> TWC I.D. <u>99922</u>													
ADDRESS <u>P O Box 1000</u>		NAME <u>Gerald L. Perry</u> PHONE <u>318/491-4370</u>													
CITY <u>Lake Charles</u> STATE <u>LA</u> ZIP <u>70602</u>		TECHNICAL CONTACT													
CONTACT <u>Anne Corbello</u> PHONE <u>318/491-4364</u>		NAME <u>Shift Superintendent</u> PHONE <u>318/491-4340</u>													
		EMERGENCY CONTACT													
5 GENERAL INFORMATION															
GENERAL WASTE DESCRIPTION <u>Trichloroethylene and Perchloroethylene Heavy Still Bottoms and Filter Cartridges</u>															
PROCESS GENERATING WASTE <u>Production of Trichloroethylene and Perchloroethylene</u>															
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UNITS TIME NUMBER PERIOD															
6 SHIPPING INFORMATION															
DOT HAZARDOUS MATERIAL? ☒ YES ☐ NO TEXAS WASTE CODE NO. <u>992030</u>															
DOT PROPER SHIPPING NAME <u>Hazardous Waste Solid, n.o.s.</u>															
DOT HAZARD CLASS <u>ORM-E</u> DOT ID. NO. <u>NA 9189</u> RO <u>1 pound</u>															
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DOT <u>21-C/55 gal</u>															
DRUMS TYPE / SIZE TANK OTHER															
OTHER SHIPPING REQUIREMENTS OR INFORMATION															
9															
☐ ADDITIONAL DATA ATTACHED ☒ SAMPLE PROVIDED ☒ GENERATORS SAMPLE NO. <u>Lab Log #817</u>															

EVERY ITEM ON THIS WASTE DATA SHEET MUST BE COMPLETE

CHAMPION BUSINESS FORMS No. 80 SL 046300

DOC. NO. _____ RES SALES EXEC: # _____ STREAM NO. HO-42294
CONTRACT NO. _____ SAMPLE NO. _____ SAMPLE RECEIVED DATE _____

A. GENERATOR INFORMATION

1. Generator Name: PPG Industries, Inc.
2. Purchasing Contact: Gerald Clark, Manager-Purchasing Dept. 3. Phone No. (318) 491-4215
4. Technical Contact: William H. Cooper - Env. Control Spec. (Title) 5. Phone No. (318) 491-4250
6. Emergency Contact: Shift Superintendent (Title) 7. Phone No. (318) 491-4500
8. Generator USEPA I.D.: LAD008086506 (Title)

B. PICK UP LOCATION

1. Company Name: Same
2. Address (not P.O. Box): Columbia Southern Road
3. City: Lake Charles 4. State: LA 5. Zip Code: 70602
6. Pickup Contact: Elton Carson, Env. Assistant-Derivatives (Title) 7. Phone No. (318) 491-4328

C. MANIFEST INFORMATION (if same as "B", write "SAME" but indicate Manifest Contact below if different)

1. Company Name: SAME
2. Address: P O Box 1000
3. City: Lake Charles 4. State: LA 5. Zip Code: 70602
6. Manifest Contact: Vicki Cormier, Env. Secretary (Title) 7. Phone No. (318) 491-4618

D. INVOICE INFORMATION (if same as "B" or "C" write "SAME" but indicate Invoice Contact below if different)

1. Company Name: SAME
2. Address: SAME AS ABOVE
3. City: _____ 4. State: _____ 5. Zip Code: _____
6. Invoice Contact: Ginger Bushy, Acct. Payable Clerk (Title) 7. Phone No. (318) 491-4526

E. GENERAL WASTE DESCRIPTION

1. Name of Waste: Trichloroethylene and Perchloroethylene Heavy Still Bottoms Cartridges
2. Process Generating Waste: Production of Trichloroethylene and Perchloroethylene
3. Quantity Generated: 2200 lbs. Per Year (Year or Month)

F. SHIPPING INFORMATION (check all that apply)

Yes No
1. ☒ ☐ EPA RCRA Hazardous Waste 2. ☐ Wastewater or ☒ Non-Wastewater 3. ☒ ☐ TSCA Waste TSCA Waste Code: 992030
4. All applicable EPA Hazardous Waste Codes and subcategories including Characteristic ("D") codes: F025/D040 /D039

Yes No
5. ☒ ☐ Disposal State Regulated Material 6. Generating State Number: LAD008086506 Destination State Waste Code Number: 992030
7. ☒ ☐ DOT Regulated Material 8. DOT Shipping Name: Hazardous waste, solid, n.o.s. and Perchloroethylene (contains Trichloroeti
9. DOT Hazard Class: 9 PGIII 10. DOT (UN/NA) No.: NA3077 11. RQ (lbs.): 1 lb

G. METHOD OF SHIPMENT

1. ☒ Drums: Type/Size: DOT 21-C/55 gal 2. ☐ Bulk: Type/Size: _____
3. ☐ Other (Please be specific): _____
4. ☒ Transportation Requirements: Enclosed - Van
5. ☐ ☒ Customer to Transport 6. ☒ ☐ Truck Scale at Customer Site

CUSTOMER REVISION: Signature _____

Date: SL 046301

K. REACTIVE CHARACTERISTICS (check all that apply)

Yes No

1. ☐ ☒ Explosive
 2. ☐ ☒ Pyrophoric
 3. ☐ ☒ Shock Sensitive
 4. ☐ ☒ Water Reactive
 5. ☐ ☒ Air Reactive

Yes No

6. ☐ ☒ Reactive Cyanide: _____ mg/l
 7. ☐ ☒ Reactive Sulfide: _____ mg/l
 8. ☐ ☒ Oxidizers (specify): _____
 9. ☐ ☐ Other (specify): _____

L. ELEMENTAL ANALYSIS (Total Metals and TCLP metals data are required for incineration waste streams. TCLP metals data are required for landfill material. For liquid wastes with less than 0.5% solids, total metals (in mg/kg) x density of waste (in kg/L) = TCLP results (in mg/L). * (Record data for all that apply).Total Metals: ☒ mg/kg ☐ mg/L ☐ ppm (Check appropriate unit)

Antimony (Sb) <1.0
 Arsenic (As) <1.0
 Barium (Ba) <0.3
 Beryllium (Be) <0.3
 Cadmium (Cd) <0.3
 Chromium (Cr) 0.4
 Chromium VI (CrVI) UNK
 Cobalt (Co) UNK

Copper (Cu) UNK
 Lead (Pb) 3.8
 Manganese (Mn) UNK
 Mercury (Hg) <0.09
 Molybdenum (Mo) _____
 Nickel (Ni) <0.5
 Potassium (K) _____

Selenium (Se) _____
 Silicon (Si) _____
 Silver (Ag) <0.3
 Sodium (Na) _____
 Thallium (Tl) 1.5
 Vanadium (V) _____
 Zinc (Zn) _____

TCLP	(mg/L)	TC Level
D004 - Arsenic	<0.2	5.0
D005 - Barium	<0.02	100.0
D006 - Cadmium	<0.03	1.0
D007 - Chromium	<0.04	5.0

TCLP (mg/L)	TC Level
D008 - Lead	<0.1
D009 - Mercury	<0.0002
D010 - Selenium	<0.2
D011 - Silver	<0.02

*N.B. - EP Toxicity Characteristic data are acceptable until 9/25/90, or 3/25/91 for small quantity generators.

M. ORGANIC TOXIC CHARACTERISTIC WASTE (specify EPA waste code and TCLP results (mg/L) for all that apply; see instructions for list).

D028	3.56	mg/L	_____	mg/L	_____	mg
_____	_____	mg/L	_____	mg/L	_____	mg
_____	_____	mg/L	_____	mg/L	_____	mg
_____	_____	mg/L	_____	mg/L	_____	mg

N. RECOMMENDED TREATMENT METHOD (check applicable box)

1. ☒ Incineration
 2. ☐ Incineration with chemical stabilization and encapsulation of residues
 3. ☐ Chemical stabilization and encapsulation
 4. ☐ Direct landfill
 5. ☐ Underground injection
 6. ☐ Chemical treatment
 7. ☐ Other (specify) _____

O. CERTIFICATION

I hereby certify and warrant that the information supplied on this form and on any attachments or supplements represents a complete and accurate identification and description by the generator company of this waste material, its constituents and its known or suspected hazards.

Signature William H. CooperTitle: Env. Control SpeDate: April 10, 1991

* CUSTOMER REVISION: Signature _____

Date: _____

SL 046302

**RESULTS - TCLP TOXICITY VOLATILES**

SGS ID: E9008-038-4

PPG ID: 1327 P/T Heavy Still Bottoms

Date Extracted: 8/11/90

Date Analyzed: 8/13/90

Concentration in ppb (ug/L) in TCLP Extract

	1327 P/T Heavy Still Bottoms	Method Detection Limit	TCLP Blank	Blank Detection Limit
Benzene	ND	5.0	ND	5.0
Carbon Tetrachloride	197	5.0	ND	5.0
Chlorobenzene	ND	5.0	ND	5.0
Chloroform	346	5.0	ND	5.0
1,4-Dichlorobenzene	41	5.0	ND	5.0
1,2-Dichloroethane	3,562	5.0	ND	5.0
1,1-Dichloroethylene	88	5.0	ND	5.0
Methylethylketone	ND	10.0	ND	10.0
Tetrachloroethylene	105	5.0	ND	5.0
Trichloroethylene	60	5.0	ND	5.0
Vinyl Chloride	ND	10.0	ND	10.0

Surrogate Standard Percent Recovery (at 0.050 mg/L)

	1327 P/T Heavy Still Bottoms	Blank
1,2-Dichloroethane-d4	89 %	86 %
Toluene-d8	84 %	103 %
4-Bromofluorobenzene	87 %	104 %

ND denotes Not Detected at a level above the method-detection limit.



SGS Environmental Laboratories

E9008-038

RESULTS - TCLP TOXICITY SEMIVOLATILES

SGS ID: E9008-038-4

PPG ID: 1327 P/T Heavy Still Bottoms

Date Extracted: 8/28/90

Date Analyzed: 9/01/90

Concentration in ppb (ug/L) in TCLP Extract

	1327 P/T Heavy <u>Still Bottoms</u>	<u>Blank</u>	<u>Method Detection Limit</u>
o-cresol	ND	ND	10.0
m-cresol	ND	ND	10.0
p-cresol	ND	ND	10.0
Cresol	ND	ND	10.0
2,4-Dinitrotoluene	ND	ND	10.0
Hexachlorobenzene	ND	ND	10.0
Hexachlorobutadiene	ND	ND	10.0
Hexachloroethane	ND	ND	10.0
Nitrobenzene	ND	ND	10.0
Pentachlorophenol	ND	ND	50
Pyridine	ND	ND	10.0
2,4,5-Trichlorophenol	ND	ND	50
2,4,6-Trichlorophenol	ND	ND	50

Surrogate Standard Percent Recovery (at 0.200 mg/L)

	1327 P/T Heavy <u>Still Bottoms</u>	<u>Blank</u>
2-Fluorophenol	13 %	28 %
Phenol-d5	10 %	19 %
2,4,6-Tribromophenol	17 %	33 %
Nitrobenzene-d5	13 %	38 %
2-Fluorobiphenyl	14 %	37 %
Terphenyl-d16	10 %	21 %

ND denotes Not Detected at a level above the method detection limit.

Member of the SGS Group (Société Générale de Surveillance)

SL 046305

ROLLINS

ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTION NOTIFICATION (per 40 CFR 268.7)

INSTRUCTION: Complete Part I. Check and complete Part II or Part III. Complete and sign Part IV.

PART I: Generator, Reference and Manifest Information

1. Generator Name: PPG Industries, Inc. EPA I.D. #: LAD008086506
2. Address: P O Box 1000
3. City: Lake Charles State: LA Zip: 70602
4. RES Reference # (BR/HO/L/W/MO/OP): H042294 Manifest #: _____
5. EPA Waste Codes (list ALL codes for this stream and all relevant subcategories--see reverse side of this form):
F025, D039, D040

6. This stream is (check one) a _____ wastewater (<1% total organic carbon and <1% total suspended solids) ☒ nonwastewater
If wastewater, consult with your Sales or Customer Service Representative.

PART II: Wastes Subject to Land Disposal Restrictions (If the waste is non-hazardous or a "newly listed waste" identified in Part III below, complete Part III rather than Part II.)

☒ Pursuant to 40 CFR 268.7, I am notifying _____ RES(LA); _____ RES(NJ); ☒ RES(TX); _____ RES of LA; _____ OPC; _____ TET that under the above RES Reference and manifest numbers, I am shipping to you a waste identified by the EPA waste code(s) and subcategory(ies) listed in Part I above, which is subject to the EPA Land Disposal Restrictions, as checked below.

A. Check line 1, 2, 3 and/or 4, as applicable

- _____ 1. Treatment standard, as checked by me in Attachment 1, which I am enclosing, for _____ F001; _____ F002; _____ F003; _____ F004; _____ F005; _____ F039.
_____ 2. Numerical treatment standard(s) specified in 40 CFR 268.41(a) (Table CCWE), per Attachment 3.
☒ 3. Treatment standard(s) expressed as specified technology(ies) in 40 CFR 268.42(a), for which the required technology, per Attachment 3, is _____ INCIN; _____ DEACT; _____ ADGAS fb NEUTR; _____ IMERC; _____ STABL; or, for PCBs, ☒ Incineration in a TOSCA-permitted incinerator (RES(TX) only).
☒ 4. Numerical treatment standard(s) specified in 40 CFR 268.43(a) (Table CCW), per Attachment 3.

B. Also check one or more of the following lines if applicable

- _____ 5. A D001-D011 waste which (a) _____ does (b) _____ does not meet the definition of a "California List" waste (see definition below). If (a), I have also checked the "California List" section of Attachment 1, which I am enclosing.
☒ 6. Treatment standard(s) with a "capacity variance" until _____ 199 _____ per Attachment 3, as I have checked on the enclosed Attachment 2. The waste (a) ☒ does (b) _____ does not meet the definition of a "California List" waste (see definition below). If (a), I have also checked the "California List" section of Attachment 1, which I am enclosing.
_____ 7. A nickel or thallium "California List" waste (see definition below). I have checked the "California List" section of Attachment 1, which I am enclosing.
_____ 8. A specific extension or variance (other than a "capacity variance"), as I have checked on Line H or I of Attachment 2, which I am enclosing.
_____ 9. The waste already meets all relevant treatment standards. I have signed the required certification on page 2 of Attachment 2, which I am enclosing.
_____ 10. This waste is a lab pack. If it is an "Appendix IV lab pack" or an "Appendix V lab pack", I have signed the required certification on page 2 of Attachment 2, which I am enclosing.

PART III: Wastes NOT Subject to Land Disposal Restrictions

Pursuant to 40 CFR 268.7, I am notifying _____ RES(LA); _____ RES(NJ); _____ RES(TX); _____ RES of LA; _____ OPC; _____ TET that, under the above reference and manifest numbers, I am shipping to you a waste which is non-hazardous and/or identified by the EPA waste code(s) listed in Part I above. The waste is not subject to the Land Disposal Restrictions because the waste is non-hazardous and/or consists only of one or more of the following EPA waste codes listed since November 8, 1984: D018-43, K064-66, K088, K090-91, K117-18, K123-26, K131-32, K136, U328, U353, U359.

PART IV: Authorized Representative

Signature William H. Cooper Date 04-11-91
Print or Type Name William H. Cooper
Title Environmental Control Specialist

NOTE: A "California List" waste is (a) a hazardous waste containing Halogenated Organic Compounds at a concentration of 1000 mg/kg or mg/l, or greater; or (b) a liquid hazardous waste (including free liquids) having a pH equal to or less than 2.0 or containing any of the following materials at a concentration equal to or greater than specified: PCB's, 50 ppm; or (in mg/l) free cyanides, 1000; As, 500; Cd, 100; Cr, 500; Pb, 500; Hg, 20; Ni, 134; Se, 100; Tl, 130.

SL 046306

ADDITIONAL NOTIFICATION FOR F001-F005, F039 AND CALIFORNIA LIST WASTES

For Part II, Line 1 of the LDR Notification (F001-F005, F039)

This waste must be treated to meet the following treatment standards (check the appropriate line):

____ F001 ____ F002 ____ F003 ____ F004 ____ F005

WASTE CODE	REGULATED HAZARDOUS CONSTITUENT	WASTEWATERS CONCENTRATION (mg/l)	NONWASTEWATERS CONCENTRATION (mg/l)
------------	---------------------------------------	--	---

T A B L E C C W E

F001 - F005 spent solvents

Acetone	0.05	0.59
n-Butyl alcohol	5.0	5.0
Carbon disulfide	1.05	4.81
Carbon tetrachloride	0.05	0.96
Chlorobenzene	0.15	0.05
Cresols (and cresylic acid)	2.82	0.75
Cyclohexanone	0.125	0.75
1, 2 - Dichlorobenzene	0.65	0.125
Ethyl acetate	0.05	0.75
Ethylbenzene	0.05	0.053
Ethyl ether	0.05	0.75
Isobutanol	5.0	5.0
Methanol	0.25	0.75
Methylene chloride	0.2	0.96
Methyl ethyl ketone	0.05	0.75
Methyl isobutyl ketone	0.05	0.33
Nitrobenzene	0.66	0.125
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1, 1, 1, - Trichloroethane	1.05	0.41
1, 1, 2 - Trichloro-		
1, 2, 2 - Trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15

T A B L E C C W

F001 - F005 spent solvents

1, 1, 2, Trichloroethane	0.030	7.80
Benzene	0.070	3.70

F001 - F005 spent solvents
(Pharmaceutical Industry
Wastewater Subcategory)

Methylene chloride	0.44	NA
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REQUIRED METHOD

F005

2-Nitropropane	INCIN	INCIN
----------------	-------	-------

F005

2-Ethoxyethanol	INCIN	INCIN
-----------------	-------	-------

____ For F039, as indicated on the reverse side of this Attachment

For Part II, Line 5, 6, or 7 of the LDR Notification (California List)

This waste must be treated as indicated below if it is (a) a D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, or subject to a "capacity variance", -- and meets the definition of a "California List" waste; or (b) a liquid hazardous waste ≥ 50 ppm PCBs, or ≥ 134 mg/l Ni, or ≥ 130 mg/l TI. Check the appropriate line below.

- ☒ HOC ≥ 1000 ppm: incinerate in a RCRA incinerator
- ☒ liquids, PBC ≥ 50 ppm or: incinerate in a TOSCA/RCRA incinerator
- ____ liquid, pH ≤ 2 : Neutralize
- ____ liquid, free cyanides ≥ 1000 ppm: *
- ____ liquid, As ≥ 500 mg/l: *
- ____ liquid, Cd ≥ 100 mg/l: *
- ____ liquid, Cr ≥ 500 mg/l: *
- ____ liquid, Pb ≥ 500 mg/l: *
- ____ liquid, Hg ≥ 120 mg/l: *
- ____ liquid, Ni ≥ 134 mg/l: *
- ____ liquid, Se ≥ 100 mg/l: *
- ____ liquid, TI ≥ 130 mg/l: *

* Treat to below California List concentration, or to non-liquid form.

SL 046307

LAND DISPOSAL RESTRICTION NOTIFICATIONEXTENSIONS, VARIANCES, EXCEPTIONS

For Part II, Line B-6 of the Notification Form This waste is (check one):

- ☐ A. Soil or debris contaminated only with solvents and/or California List wastes, from the following Superfund Site:
(this variance valid until November 8, 1990)
- ☐ B. Soil or debris, contaminated only with solvents and/or California List wastes, from RCRA corrective action order or permit requirement (attach a copy of relevant EPA order or permit provision) signed by _____ on _____ (this variance valid until November 8, 1990)
- ☐ C. Soil or debris contaminated with waste specified in 268.33 or 268.34 for which the treatment standard is based on incineration, per Attachment 3 (this variance valid until August 8, 1990 for such wastes in 268.33 and until June 8, 1991 for such wastes in 268.34).
- ☐ D. Soil or debris contaminated with wastes specified in 268.35 for which the treatment standard is based on incineration, mercury retorting, vitrification or wet-air oxidation, per Attachment 3 (variance valid until May 8, 1992)
- ☐ E. A waste specified in 268.35 (a) -- per Attachment 3 -- or K071 (variance valid until August 8, 1990).
- ☐ F. K048, K049, K050, K051 or K052 (variance valid until November 8, 1990)
- ☐ G. A waste specified in 268.35 (c) -- per Attachment 3 -- (variance valid until May 8, 1992)

For Part II, Line B-8 of the Notification Form. This waste is:

- ☐ H. Subject to a case-by-case extension, pursuant to 40 CFR 268.5, granted by _____ on _____
(attach copy)
- ☐ I. Subject to a treatability variance, pursuant to 40 CFR 268.44, granted by _____ on _____
(attach copy)

(1)	(2)	(3)	(4)	(5)	(1)	(2)	(3)	(4)	(5)
RPA CODE NUMBER	40 CFR 268.41 (CONC)	40 CFR 268.42 TECH	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE	RPA CODE NUMBER	40 CFR 268.41 (CONC)	40 CFR 268.42 TECH	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE
P112		INCIN		8/8/90	U038		INCIN		8/8/90
P113		STABL		8/8/90	U037			X	8/8/90
P118	X			8/8/90	U038			X	8/8/90
P119		STABL		8/8/90	U039			X	8/8/90
P118		INCIN		8/8/90	U030			X	8/8/90
P118		INCIN		8/8/90	U031			X	8/8/90
P119		STABL		8/8/90	U032	X			8/8/90
P120		STABL		8/8/90	U033		INCIN		8/8/90
P121			X		U034		INCIN		8/8/90
P122		INCIN		8/8/90	U035		INCIN		8/8/90
P123			X	8/8/90	U036			X	8/8/90
U001		INCIN		8/8/90	U037			X	8/8/90
U002			X	8/8/90	U038		INCIN		8/8/90
U003		INCIN		8/8/90	U039			X	8/8/90
U004			X	8/8/90	U041		INCIN		8/8/90
U005			X	8/8/90	U042		INCIN		8/8/90
U006		INCIN		8/8/90	U043			X	8/8/90
U007		INCIN		8/8/90	U044			X	8/8/90
U008		INCIN		8/8/90	U045			X	8/8/90
U009			X	8/8/90	U046		INCIN		8/8/90
U010		INCIN		8/8/90	U047			X	8/8/90
U011		INCIN		8/8/90	U048			X	8/8/90
U012			X	8/8/90	U049		INCIN		8/8/90
U014		INCIN		8/8/90	U050			X	8/8/90
U015		INCIN		8/8/90	U051	X		X	8/8/90
U016		INCIN		8/8/90	U052			X	8/8/90
U017		INCIN		8/8/90	U053		INCIN		8/8/90
U018			X	8/8/90	U055		INCIN		8/8/90
U019			X	8/8/90	U056		INCIN		8/8/90
U020		INCIN		8/8/90	U057		INCIN		8/8/90
U021		INCIN		8/8/90	U058		INCIN		8/8/90
U022			X	8/8/90	U059		INCIN		8/8/90
U023		INCIN		8/8/90	U060			X	8/8/90
U024			X	8/8/90	U061			X	8/8/90
U026			X	8/8/90	U062		INCIN		8/8/90

(1)	(2)	(3)	(4)	(5)	(1)	(2)	(3)	(4)	(5)
RPA CODE NUMBER	40 CFR 268.41 (CONC)	40 CFR 268.42 TECH	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE	RPA CODE NUMBER	40 CFR 268.41 (CONC)	40 CFR 268.42 TECH	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE
U063			X	8/8/90	U101			X	8/8/90
U064		INCIN		8/8/90	U102			X	
U066			X	8/8/90	U103		INCIN		8/8/90
U067			X	8/8/90	U104			X	8/8/90
U068			X	8/8/90	U106			X	8/8/90
U069			X	8/8/90	U107			X	
U070			X	8/8/90	U108			X	8/8/90
U071			X	8/8/90	U109		INCIN		8/8/90
U072			X	8/8/90	U110		INCIN		8/8/90
U073		INCIN		8/8/90	U111			X	8/8/90
U074		INCIN		8/8/90	U112			X	8/8/90
U075			X	8/8/90	U113		INCIN		8/8/90
U076			X	8/8/90	U114		INCIN		8/8/90
U077			X	8/8/90	U115		INCIN		8/8/90
U078			X	8/8/90	U116		INCIN		8/8/90
U079			X	8/8/90	U117			X	8/8/90
U080			X	8/8/90	U118			X	8/8/90
U081			X	8/8/90	U119		INCIN		8/8/90
U082			X	8/8/90	U120			X	
U083			X	8/8/90	U121			X	8/8/90
U084			X	8/8/90	U122		INCIN		8/8/90
U085		INCIN		8/8/90	U123		INCIN		8/8/90
U086		INCIN		8/8/90	U124		INCIN		8/8/90
U087		INCIN			U125		INCIN		8/8/90
U088			X		U126		INCIN		8/8/90
U089		INCIN		8/8/90	U127			X	8/8/90
U090		INCIN		8/8/90	U128			X	8/8/90
U091		INCIN		8/8/90	U129			X	8/8/90
U092		INCIN		8/8/90	U130			X	8/8/90
U093		INCIN		8/8/90	U131			X	8/8/90
U094		INCIN		8/8/90	U132		INCIN		8/8/90
U095		INCIN		8/8/90	U133		INCIN		8/8/90
U096		INCIN		8/8/90	U134		ADGAS		8/8/90
U097		INCIN		8/8/90	U135		INCIN		8/8/90
U098		INCIN		8/8/90	U136		X		8/8/90
U099		INCIN		8/8/90					

(1)	(2)	(3)	(4)	(5)	(1)	(2)	(3)	(4)	(5)
RPA CODE NUMBER	40 CFR 268.41 (CONC)	40 CFR 268.42 TECH	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE	RPA CODE NUMBER	40 CFR 268.41 (CONC)	40 CFR 268.42 TECH	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE
U137			X	8/8/90	U172			X	8/8/90
U138			X	8/8/90	U173		INCIN		8/8/90
U140			X	8/8/90	U174			X	8/8/90
U141			X	8/8/90	U175		INCIN		8/8/90
U142			X	8/8/90	U177		INCIN		8/8/90
U143		INCIN		8/8/90	U178		INCIN		8/8/90
U144	X			8/8/90	U179			X	8/8/90
U145	X			8/8/90	U180			X	8/8/90
U146	X			8/8/90	U182			X	8/8/90
U147		INCIN		8/8/90	U183		INCIN		8/8/90
U148		INCIN		8/8/90	U184			X	8/8/90
U149		INCIN		8/8/90	U185		INCIN		8/8/90
U150		INCIN		8/8/90	U186			X	8/8/90
U151		DO NOT MONITOR			U187		INCIN		8/8/90
U151M	X			8/8/90	U188			X	8/8/90
U152			X	8/8/90	U189			X	8/8/90
U153		INCIN		8/8/90	U190		INCIN		8/8/90
U154		INCIN		8/8/90	U191			X	8/8/90
U155			X	8/8/90	U192		INCIN		8/8/90
U156		INCIN		8/8/90	U193			X	8/8/90
U157			X	8/8/90	U194		INCIN		8/8/90
U158			X	8/8/90	U195			X	8/8/90
U159			X	8/8/90	U197		INCIN		8/8/90
U160		INCIN		8/8/90	U200		INCIN		8/8/90
U161			X	8/8/90	U202		INCIN		8/8/90
U162			X	8/8/90	U203		INCIN		8/8/90
U163		INCIN		8/8/90					

DOC. NO. _____ RES SALES EXEC: # _____ STREAM NO. HQ-42294
CONTRACT NO. _____ SAMPLE NO. _____ SAMPLE RECEIVED DATE _____

A. GENERATOR INFORMATION

1. Generator Name: PPG Industries, Inc.
2. Purchasing Contact: Gerald Clark, Manager-Purchasing Dept. 3. Phone No. (318) 491-4215
4. Technical Contact: William H. Cooper - Env. Control Spec. (Title) 5. Phone No. (318) 491-4250
6. Emergency Contact: Shift Superintendent (Title) 7. Phone No. (318) 491-4500
8. Generator USEPA I.D.: LAD008086506 (Title)

B. PICK UP LOCATION

1. Company Name: Same
2. Address (not P.O. Box): Columbia Southern Road
3. City: Lake Charles 4. State: LA 5. Zip Code: 70602
6. Pickup Contact: Elton Carson, Env. Assistant-Derivatives (Title) 7. Phone No. (318) 491-4324

C. MANIFEST INFORMATION (if same as "B", write "SAME" but indicate Manifest Contact below if different)

1. Company Name: SAME
2. Address: P O Box 1000
3. City: Lake Charles 4. State: LA 5. Zip Code: 70602
6. Manifest Contact: Vicki Cormier, Env. Secretary (Title) 7. Phone No. (318) 491-4618

D. INVOICE INFORMATION (if same as "B" or "C" write "SAME" but indicate Invoice Contact below if different)

1. Company Name: SAME
2. Address: SAME AS ABOVE
3. City: _____ 4. State: _____ 5. Zip Code: _____
6. Invoice Contact: Ginger Busby, Acct. Payable Clerk (Title) 7. Phone No. (318) 491-4526

E. GENERAL WASTE DESCRIPTION

1. Name of Waste: Trichloroethylene and Perchloroethylene Heavy Still Bottoms Cartridges
2. Process Generating Waste: Production of Trichloroethylene and Perchloroethylene
3. Quantity Generated: 2200 lbs. Per Year (Year or Month)

F. SHIPPING INFORMATION (check all that apply)

Yes No
1. ☒ ☐ EPA RCRA Hazardous Waste 2. ☐ Wastewater or ☒ Non-Wastewater 3. ☒ ☐ TSCA Waste TSCA Waste Code: 992030
4. All applicable EPA Hazardous Waste Codes and subcategories including Characteristic ("D") codes: F025/D040 /D039

5. ☒ ☐ Disposal State Regulated Material 6. Generating State Number: LAD008086506 Destination State Waste Code Number: 992030
7. ☒ ☐ DOT Regulated Material 8. DOT Shipping Name: Hazardous waste, solid, n.o.s. and Perchloroethylene (contains Trichloroethylene)
9. DOT Hazard Class: 9 PGIII 10. DOT (UN/NA) No.: NA3077 11. RQ (lbs.): 1 lb

G. METHOD OF SHIPMENT

1. ☒ Drums: Type/Size: DOT 21-C/55 gal 2. ☐ Bulk: Type/Size: _____
3. ☐ Other (Please be specific): _____
4. ☒ Transportation Requirements: Enclosed Van
5. ☐ ☒ Customer to Transport 6. ☒ ☐ Truck Scale at Customer Site

CUSTOMER REVISION: Signature _____

Date _____ SL 046310

K. REACTIVE CHARACTERISTICS (check all that apply)

Yes No

1. ☐ ☒ Explosive
 2. ☐ ☒ Pyrophoric
 3. ☐ ☒ Shock Sensitive
 4. ☐ ☒ Water Reactive
 5. ☐ ☒ Air Reactive

Yes No

6. ☐ ☒ Reactive Cyanide: _____ mg/k
 7. ☐ ☒ Reactive Sulfide: _____ mg/k
 8. ☐ ☒ Oxidizers (specify): _____
 9. ☐ ☐ Other (specify): _____

L. ELEMENTAL ANALYSIS (Total Metals and TCLP metals data are required for incineration waste streams. TCLP metals data are required for landfill material. For liquid wastes with less than 0.5% solids, total metals (in mg/kg) x density of waste (in kg/L) = TCL results (in mg/L). * (Record data for all that apply).Total Metals: ☒ mg/kg ☐ mg/L ☐ ppm (Check appropriate unit)

Antimony (Sb)	<1.0	Copper (Cu)	UNK	Selenium (Se)	
Arsenic (As)	<1.0	Lead (Pb)	3.8	Silicon (Si)	
Barium (Ba)	<0.3	Manganese (Mn)	UNK	Silver (Ag)	<0.3
Beryllium (Be)	<0.3	Mercury (Hg)	<0.09	Sodium (Na)	
Cadmium (Cd)	<0.3	Molybdenum (Mo)		Thallium (Tl)	1.5
Chromium (Cr)	0.4	Nickel (Ni)	<0.5	Vanadium (V)	
Chromium VI (CrVI)	UNK	Potassium (K)		Zinc (Zn)	
Cobalt (Co)	UNK				

TCLP	(mg/L)	TC Level	TCLP (mg/L)	TC Level
D004 - Arsenic	<0.2	5.0	D008 - Lead	<0.1
D005 - Barium	<0.02	100.0	D009 - Mercury	<0.0002
D006 - Cadmium	<0.03	1.0	D010 - Selenium	<0.2
D007 - Chromium	<0.04	5.0	D011 - Silver	<0.02

*N.B. - EP Toxicity Characteristic data are acceptable until 9/25/90, or 3/25/91 for small quantity generators.

M. ORGANIC TOXIC CHARACTERISTIC WASTE (specify EPA waste code and TCLP results (mg/L) for all that apply; see instructions for list).

D028	3.56	mg/L		mg/L		mg/L
		mg/L		mg/L		mg/L
		mg/L		mg/L		mg/L
		mg/L		mg/L		mg/L

N. RECOMMENDED TREATMENT METHOD (check applicable box)

1. ☒ Incineration
 2. ☐ Incineration with chemical stabilization and encapsulation of residues
 3. ☐ Chemical stabilization and encapsulation
 4. ☐ Direct landfill
 5. ☐ Underground injection
 6. ☐ Chemical treatment
 7. ☐ Other (specify) _____

O. CERTIFICATION

I hereby certify and warrant that the information supplied on this form and on any attachments or supplements represents a complete and accurate identification and description by the generator company of this waste material, its constituents and its known or suspected hazards.

Signature William H. Cooper Title: Env. Control SpecDate: April 10, 1991

- CUSTOMER REVISION: Signature _____

Date _____

SL 046311

**RESULTS - TCLP TOXICITY VOLATILES**

SGS ID: E9008-038-4

PPG ID: 1327 P/T Heavy Still Bottoms

Date Extracted: 8/11/90

Date Analyzed: 8/13/90

Concentration in ppb (ug/L) in TCLP Extract

	<u>1327 P/T Heavy Still Bottoms</u>	<u>Method Detection Limit</u>	<u>TCLP Blank</u>	<u>Blank Detection Limit</u>
Benzene	ND	5.0	ND	5.0
Carbon Tetrachloride	197	5.0	ND	5.0
Chlorobenzene	ND	5.0	ND	5.0
Chloroform	346	5.0	ND	5.0
1,4-Dichlorobenzene	41	5.0	ND	5.0
1,2-Dichloroethane	3,562	5.0	ND	5.0
1,1-Dichloroethylene	88	5.0	ND	5.0
Methylethylketone	ND	10.0	ND	10.0
Tetrachloroethylene	105	5.0	ND	5.0
Trichloroethylene	60	5.0	ND	5.0
Vinyl Chloride	ND	10.0	ND	10.0

Surrogate Standard Percent Recovery (at 0.050 mg/L)

	<u>1327 P/T Heavy Still Bottoms</u>	<u>Blank</u>
1,2-Dichloroethane-d4	89 %	86 %
Toluene-d8	84 %	103 %
4-Bromofluorobenzene	87 %	104 %

ND denotes Not Detected at a level above the method detection limit

LAND DISPOSAL RESTRICTION

TREATMENT SUBCATEGORIES

<u>EPA WASTE CODE</u>	<u>SUBCATEGORIES</u>	<u>COMMENT</u>
D001	Ignitable liquids 10 % TOC or > Ignitable liquids < 10 % TOC Ignitable compressed gases Ignitable reactives Oxidizer	Per 261.21 (a)(1) Per 261.21 (a)(1) Per 261.21 (a)(3) Per 261.21 (a)(2) Per 261.21 (a)(4)
D002	Steel corrosives Alkaline Acid	SAE 1020 steel corrosion rate < 6.35 mm/yr Per 262.22 (a)(1) Per 262.22 (a)(1)
D003	Explosives Water reactives Reactive sulfides Reactive cyanides Other reactives	Per 261.23 (a)(6),(7),(8) Per 261.23 (a)(2),(3),(4) Per 261.23 (a)(5) Per 261.23 (a)(1),(4) Per 261.23 (a)(1)
D006	Cadmium-containing batteries Other	
D008	Lead acid batteries Other	
D009	Low mercury High mercury High mercury, containing organics (not incinerator residues) High mercury, containing inorganics (including incinerator or RMERC residues)	< 260 mg/kg Hg 260 mg/kg Hg or > 260 mg/kg Hg or > 260 mg/kg Hg or >
F025	Light ends Spent filters/aids and desiccants	
K061	Low zinc High zinc	< 15% total zinc 15% total zinc or >
K069	Calcium sulfate Non-calcium sulfate	
K071	Low mercury High mercury	< 16 mg/kg Hg 16 mg/kg Hg or >
K106	Low mercury High mercury	< 260 mg/kg Hg 260 mg/kg Hg or >
P065	Low mercury -- residues from RMERC Low mercury -- residues from incineration Mercury fulminate, high mercury -- incinerator or RMERC residues Mercury fulminate, nonwastewaters -- not incinerator or RMERC residues	Original P065 less than 260 mg/kg Hg Original P065 less than 260 mg/kg Hg 260 mg/kg Hg or > Original P065 less than 260 mg/kg Hg
P092	Low mercury -- residues from RMERC Low mercury -- residues from incineration Phenyl mercury acetate, high mercury -- incinerator or RMERC residues Phenyl mercury acetate, nonwastewaters -- not incinerator or RMERC residues	Original P092 less than 260 mg/kg Hg Original P092 less than 260 mg/kg Hg 260 mg/kg Hg or >
U151	High mercury Low mercury -- residues from RMERC Low mercury -- residues from incineration	260 mg/kg Hg or > Original U151 less than 260 mg/kg Hg 260 mg/kg Hg 260 mg/kg Hg or >

NOTE: TOC = total organic carbon; RMERC = mercury retorting

CONTINUATION OF PART I

Use these lines for additional EPA waste codes and subcategories, if necessary: _____

ADDITIONAL NOTIFICATION FOR F001-F005, F039 AND CALIFORNIA LIST WASTES

For Part II, Line 1 of the LDR Notification (F001-F005, F039)

This waste must be treated to meet the following treatment standards (check the appropriate line):

___ F001 ___ F002 ___ F003 ___ F004 ___ F005

<u>WASTE CODE</u>	<u>REGULATED</u>	<u>WASTEWATERS</u>	<u>NONWASTEWATERS</u>
	<u>HAZARDOUS</u>	<u>CONCENTRATION</u>	<u>CONCENTRATION</u>
	<u>CONSTITUENT</u>	<u>(mg/l)</u>	<u>(mg/l)</u>
	<u>T A B L E C C W E</u>		
F005 spent solvents	Acetone	0.05	0.59
	n-Butyl alcohol	5.0	5.0
	Carbon disulfide	1.05	4.81
	Carbon tetrachloride	0.05	0.96
	Chlorobenzene	0.15	0.05
	Cresols (and cresylic acid)	2.82	0.75
	Cyclohexanone	0.125	0.75
	1, 2 - Dichlorobenzene	0.65	0.125
	Ethyl acetate	0.05	0.75
	Ethylbenzene	0.05	0.053
	Ethyl ether	0.05	0.75
	Isobutanol	5.0	5.0
	Methanol	0.25	0.75
	Methylene chloride	0.2	0.96
	Methyl ethyl ketone	0.05	0.75
	Methyl isobutyl ketone	0.05	0.33
	Nitrobenzene	0.66	0.125
	Pyridine	1.12	0.33
	Tetrachloroethylene	0.079	0.05
	Toluene	1.12	0.33
	1, 1, 1, - Trichloroethane	1.05	0.41
	1, 1, 2 - Trichloro-		
	1, 2, 2 - Trifluoroethane	1.05	0.96
	Trichloroethylene	0.062	0.091
	Trichlorofluoromethane	0.05	0.96
	Xylene	0.05	0.15

T A B L E C C W			
F001 - F005 spent solvents	1, 1, 2, Trichloroethane	0.030	7.80
	Benzene	0.070	3.70
F001 - F005 spent solvents (Pharmaceutical Industry Wastewater Subcategory)	Methylene chloride	0.44	NA
R E Q U I R E D M E T H O D			
F005	2-Nitropropane	INCIN	INCIN
F005	2-Ethoxyethanol	INCIN	INCIN

___ For F039, as indicated on the reverse side of this Attachment

For Part II, Line 5, 6, or 7 of the LDR Notification (California List)

This waste must be treated as indicated below if it is (a) a D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, or subject to a "capacity variance", -- and meets the definition of a "California List" waste; or (b) a liquid hazardous waste, ≥ 50 ppm PCBs, or ≥ 134 mg/l Ni, or ≥ 130 mg/l Tl. Check the appropriate line below.

- ☒ HOC ≥ 1000 ppm: incinerate in a RCRA incinerator
☒ liquids, PBC ≥ 50 ppm or: incinerate in a TOSCA/RCRA incinerator
 ___ liquid, pH ≤ 2 : Neutralize
 ___ liquid, free cyanides ≥ 1000 ppm: *
 ___ liquid, As ≥ 500 mg/l: *
 ___ liquid, Cd ≥ 100 mg/l: *
 ___ liquid, Cr ≥ 500 mg/l: *
 ___ liquid, Pb ≥ 500 mg/l: *
 ___ liquid, Hg ≥ 120 mg/l: *
 ___ liquid, Ni ≥ 134 mg/l: *
 ___ liquid, Se ≥ 100 mg/l: *
 ___ liquid, Tl ≥ 130 mg/l: *

* Treat to below California List concentration, or to non-liquid form.

SL 046314

LAND DISPOSAL RESTRICTION NOTIFICATIONEXTENSIONS, VARIANCES, EXCEPTIONS

For Part II, Line B-6 of the Notification Form This waste is (check one):

- ☐ A. Soil or debris contaminated only with solvents and/or California List wastes, from the following Superfund Site:
(this variance valid until November 8, 1990)
- ☐ B. Soil or debris, contaminated only with solvents and/or California List wastes, from RCRA corrective action order or permit requirement (attach a copy of relevant EPA order or permit provision) signed by _____ on _____ (this variance valid until November 8, 1990)
- ☐ C. Soil or debris contaminated with waste specified in 268.33 or 268.34 for which the treatment standard is based on incineration, per Attachment 3 (this variance valid until August 8, 1990 for such wastes in 268.33 and until June 8, 1991 for such wastes in 268.34).
- ☐ D. Soil or debris contaminated with wastes specified in 268.35 for which the treatment standard is based on incineration, mercury retorting, vitrification or wet-air oxidation, per Attachment 3 (variance valid until May 8, 1992)
- ☐ E. A waste specified in 268.35 (a) -- per Attachment 3 -- or K071 (variance valid until August 8, 1990).
- ☐ F. K048, K049, K050, K051 or K052 (variance valid until November 8, 1990)
- ☐ G. A waste specified in 268.35 (c) -- per Attachment 3 -- (variance valid until May 8, 1992)

For Part II, Line B-8 of the Notification Form. This waste is:

- ☐ H. Subject to a case-by-case extension, pursuant to 40 CFR 268.5, granted by _____ on _____ (attach copy)
- ☐ I. Subject to a treatability variance, pursuant to 40 CFR 268.44, granted by _____ on _____ (attach copy)

(1)	(2)	(3)	(4)	(5)	(1)	(2)	(3)	(4)	(5)
RPA CODE NUMBER	40 CFR 268.41 (CCMR)	40 CFR 268.42 (TCM)	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE	RPA CODE NUMBER	40 CFR 268.41 (CCMR)	40 CFR 268.42 (TCM)	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE
P113		INCIN		8/8/90	U026		INCIN		8/8/90
P113		STABL		8/8/90	U027			X	8/8/90
P114	X			8/8/90	U028			X	8/8/90
P118		STABL		8/8/90	U029			X	8/8/90
P118		INCIN		8/8/90	U030			X	8/8/90
P118		INCIN		8/8/90	U031			X	8/8/90
P119		STABL		8/8/90	U032	X			8/8/90
P120		STABL		8/8/90	U033		INCIN		8/8/90
P121			X		U034		INCIN		8/8/90
P122		INCIN		8/8/90	U035		INCIN		8/8/90
P123			X		U036			X	8/8/90
U001		INCIN		8/8/90	U037			X	8/8/90
U002			X	8/8/90	U038		INCIN		8/8/90
U003		INCIN		8/8/90	U039			X	8/8/90
U004			X	8/8/90	U041		INCIN		8/8/90
U006			X	8/8/90	U042		INCIN		8/8/90
U006		INCIN		8/8/90	U043			X	8/8/90
U007		INCIN		8/8/90	U044			X	8/8/90
U008		INCIN		8/8/90	U045			X	8/8/90
U009			X	8/8/90	U046		INCIN		8/8/90
U010		INCIN		8/8/90	U047			X	8/8/90
U011		INCIN		8/8/90	U048			X	8/8/90
U013			X	8/8/90	U049		INCIN		8/8/90
U014		INCIN		8/8/90	U050			X	8/8/90
U015		INCIN		8/8/90	U051	X		X	8/8/90
U016		INCIN		8/8/90	U052			X	8/8/90
U017		INCIN		8/8/90	U053		INCIN		8/8/90
U018			X	8/8/90	U055		INCIN		8/8/90
U019			X	8/8/90	U056		INCIN		8/8/90
U020		INCIN		8/8/90	U057		INCIN		8/8/90
U021		INCIN		8/8/90	U058		INCIN		8/8/90
U022			X	8/8/90	U059		INCIN		8/8/90
U023		INCIN		8/8/90	U060			X	8/8/90
U024			X	8/8/90	U061			X	8/8/90
U025			X	8/8/90	U062		INCIN		8/8/90

(1)	(2)	(3)	(4)	(5)	(1)	(2)	(3)	(4)	(5)
RPA CODE NUMBER	40 CFR 268.41 (CCMR)	40 CFR 268.42 (TCM)	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE	RPA CODE NUMBER	40 CFR 268.41 (CCMR)	40 CFR 268.42 (TCM)	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE
U063			X	8/8/90	U101			X	8/8/90
U064		INCIN		8/8/90	U102			X	8/8/90
U066			X	8/8/90	U103		INCIN		8/8/90
U067			X	8/8/90	U105			X	8/8/90
U068			X	8/8/90	U106			X	8/8/90
U069			X	8/8/90	U107		STABL		8/8/90
U070			X	8/8/90	U108			X	8/8/90
U071			X	8/8/90	U109		INCIN		8/8/90
U072			X	8/8/90	U110		INCIN		8/8/90
U072		INCIN		8/8/90	U111			X	8/8/90
U074		INCIN		8/8/90	U112			X	8/8/90
U075			X	8/8/90	U113		INCIN		8/8/90
U076			X	8/8/90	U114		INCIN		8/8/90
U077			X	8/8/90	U115		INCIN		8/8/90
U078			X	8/8/90	U116		INCIN		8/8/90
U079			X	8/8/90	U117			X	8/8/90
U080			X	8/8/90	U118			X	8/8/90
U081			X	8/8/90	U119		INCIN		8/8/90
U082			X	8/8/90	U120			X	8/8/90
U083			X	8/8/90	U121			X	8/8/90
U084			X	8/8/90	U122		INCIN		8/8/90
U085		INCIN		8/8/90	U123		INCIN		8/8/90
U086		INCIN		8/8/90	U124		INCIN		8/8/90
U087		INCIN		8/8/90	U125		INCIN		8/8/90
U088			X		U126		INCIN		8/8/90
U089		INCIN		8/8/90	U127			X	8/8/90
U090		INCIN		8/8/90	U128			X	8/8/90
U091		INCIN		8/8/90	U129			X	8/8/90
U092		INCIN		8/8/90	U130			X	8/8/90
U093		INCIN		8/8/90	U131			X	8/8/90
U094		INCIN		8/8/90	U132		INCIN		8/8/90
U095		INCIN		8/8/90	U133		INCIN		8/8/90
U096		INCIN		8/8/90	U134		ADGAS		8/8/90
U097		INCIN		8/8/90	U135		INCIN		8/8/90
U098		INCIN		8/8/90	U136			X	8/8/90
U099		INCIN		8/8/90					

(1)	(2)	(3)	(4)	(5)	(1)	(2)	(3)	(4)	(5)
RPA CODE NUMBER	40 CFR 268.41 (CCMR)	40 CFR 268.42 (TCM)	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE	RPA CODE NUMBER	40 CFR 268.41 (CCMR)	40 CFR 268.42 (TCM)	40 CFR 268.43 (CCW)	CAPACITY VARIANCE DEFERRED EFF. DATE
U137			X	8/8/90	U173			X	8/8/90
U138			X	8/8/90	U173		INCIN		8/8/90
U140			X	8/8/90	U174			X	8/8/90
U141			X	8/8/90	U176		INCIN		8/8/90
U142			X	8/8/90	U177		INCIN		8/8/90
U143		INCIN		8/8/90	U178		INCIN		8/8/90
U144	X			8/8/90	U179			X	8/8/90
U145	X			8/8/90	U180			X	8/8/90
U146	X			8/8/90	U181			X	8/8/90
U147		INCIN		8/8/90	U182		INCIN		8/8/90
U148		INCIN		8/8/90	U183			X	8/8/90
U149		INCIN		8/8/90	U184		INCIN		8/8/90
U150		INCIN		8/8/90	U185			X	8/8/90
U151		DO NOT ACCEPT			U186		INCIN		8/8/90
U151M	X			8/8/90	U187			X	8/8/90
U152			X	8/8/90	U188			X	8/8/90
U153		INCIN		8/8/90	U189		INCIN		8/8/90
U154		INCIN		8/8/90	U190			X	8/8/90
U155			X	8/8/90	U191		INCIN		8/8/90
U156		INCIN		8/8/90	U192			X	8/8/90
U157			X	8/8/90	U193		INCIN		8/8/90
U158			X	8/8/90	U194		INCIN		8/8/90
U159			X	8/8/90	U195			X	8/8/90
U160		INCIN		8/8/90	U197		INCIN		8/8/90
U161			X	8/8/90	U200		INCIN		8/8/90
U162			X	8/8/90	U201		INCIN		8/8/90
U163		INCIN		8/8/90	U202		INCIN		8/8/90
U164		INCIN		8/8/90					



SGS Environmental Laboratories E9008-038

RESULTS - Sample ID: 1327 P/T Heavy Still Bottoms SGS ID: E9008-38-4

TCLP Metals

Date Extracted: 8/13/90
Date Analyzed: 8/17/90

Concentration in ppm (mg/L) in TCLP Extract

<u>EPA HW</u>	<u>TCLP Metals</u>	<u>Result</u>	<u>Blank</u>	<u>Method Detection Limit</u>
D004	Arsenic	ND	ND	0.2
D005	Barium	ND	ND	0.02
D006	Cadmium	ND	ND	0.03
D007	Chromium	ND	ND	0.04
D008	Lead	ND	ND	0.1
D009	Mercury	ND	ND	0.0002
D010	Selenium	ND	ND	0.2
D011	Silver	ND	ND	0.02

Total Metals

Date Analyzed: 8/14/90

Concentration in ppm (mg/Kg) in sample

	<u>Result</u>	<u>Blank</u>	<u>Method Detection Limit</u>
Antimony	ND	ND	1.0
Arsenic	ND	ND	1.0
Barium	ND	ND	0.3
Beryllium	ND	ND	0.3
Cadmium	ND	ND	0.3
Chromium	0.4	ND	0.3
Lead	3.8	ND	0.5
Mercury	ND	ND	0.09
Nickel	ND	ND	0.5
Silver	ND	ND	0.3
Thallium	ND	ND	1.5

ND denotes Not Detected at a level above the method detection limit.

☒ No additions or change ☐ changes have been made**A. GENERATOR INFORMATION**

1. Company Name: PPG INDUSTRIES INC.
2. Address: P.O. Box 1000
3. City: Lake Charles 4. State: LA 5. Zip Code: 70602-1000

B. REFERENCE RES UNIFORM WASTE DATA SHEET

1. Lab Reference Number: HO/BR/OP/W/L (Circle One): List Number: 42294-43
2. Waste Description: TRI. & PERG. FILTERS

C. REVISION TO RES UNIFORM WASTE DATA SHEET CHEMICAL CONSTITUENTS SECTION I AND EPA CODE SECTION F**APPROPRIATE EPA WASTE CODES - F025, D028, D039**

CONSTITUENT	CONCENTRATION LEVEL/RANGE	EPA CODE	CONSTITUENT	CONCENTRATION LEVEL/RANGE	EPA CODE
SOLIDS (SEE BELOW)	45-75%		HEXACHLOROETHANE	1-2%	
CHLORINATED HYDROCARBON MIXTURE (SEE BELOW)	0.5-55%		1,2,4-TRICHLOROBENZENE	0.5-1%	
TETRACHLOROETHENE	15-20%		HEXACHLOROCYCLOPENTADIENE	10-15%	
1,1,2,2-TETRACHLOROETHANE	1-2%				
PENTACHLOROETHANE	1-5%				
1,4-DICHLOROBENZENE	0.5-1%				

D. ADDITIONAL AMENDMENTS OR CHANGES (IF ANY)

1. _____
2. _____
3. _____

E. REGULATORY STATUS

☒ YES ☐ NO EPA RCRA Hazardous Waste
☒ YES ☐ NO TSCA Waste

F. INFORMATION (SECTION C, D AND E) VERIFIED BY (CHECK BELOW)

1. ☐ Analytical Testing (Please Attach Analysis Results)
2. ☒ Knowledge of the Process Generating the Waste (analytical data may be requested).

G. CERTIFICATION

I hereby certify and warrant that the information on this form, any attachments or supplements, and on any current active Uniform Waste Data Sheet applicable to this waste material represents a complete and accurate identification and description by the generator company of this waste material, its constituents and its known or suspected hazards.

SL 046319

NAME: GERALD L. PERRYSIGNATURE: Gerald L. PerryTITLE: ENVIRONMENTAL CONTROL SPECIALISTDATE: 04/22/92