



INDUSTRIES

PPG INDUSTRIES, INC. INDUSTRIAL CHEMICAL DIVISION P. O. BOX 1000 LAKE CHARLES, LA. 70602

April 15, 1983

Mr. Richard Goudeau
Department of Natural Resources
Office of Environmental Affairs
Water Pollution Control Division
Post Office Box 3017
Lake Charles, LA 70602

Re: PPG's State NPDES Inspection
of 3/30-31/83
NPDES Permit No. LA0000761

Dear Mr. Goudeau:

Listed below, per your request, are the recorded flows of the Outfalls sampled during the State NPDES Inspection and their respective conversion factors. Also, attached you will find a copy of the strip charts indicating pH, temperature, and flow at Outfall 001 for March 30-31, 1983.

Outfall 001	178,000 gpm	-- chart average x 500,000 = Flow, gpm
Outfall 010	384	-- $\sqrt{\text{chart average}^3} \times 6 = \text{Flow, gpm}$
Outfall 011	160	-- chart average x 400 = Flow, gpm
Outfall 111	410	-- chart average x 10 = Flow, gpm
Outfall 017	30	-- chart average x 6 = Flow, gpm
Outfall 018	5,376	-- chart average x 16,000 = Flow, gpm
Outfall 118	126	-- chart average x 400 = Flow, gpm

Should you have any questions, contact me at 491-4420.

Sincerely,

Patrice M. McFarlain
Environmental Control Assistant

Attachment
/fk

bcc: W. J. Peard/J. E. Wyche
File #306.2.06

SL 023249

3101-60
(Rev. 8/82)

PPG INDUSTRIES, INC.
CHEMICAL DIVISION-U.S. - LAKE CHARLES, LOUISIANA

Grab Samples Taken: ☒

24-Hour Composites Ending: ☒

Date: 3/31/83

Time: 1:00 H.M.

*LABORATORY RESULTS & Flows For
State NPDES Inspection of 3/30-31/83.*

Parameters	Outfalls	Plant B-I CT-BD	Hg Cell Carbon Bed	Hg Cell Trace	Hg Cell CTBD	Plant A Process	Lead Treatment	Plant B and C Process	Plant B Treatment	Brine Area	Product Stg. Storm Runoff	Plant C Storm Runoff	VC II CTBD	River Water
	(GRAB) 005	010	011	111	012	014	017	018	118	019	(GRAB) 024	(GRAB) 025	(GRAB) 026	
Flow		384	160	410	0	1345	30	5376	126	NF	NF	3"	1/4"	160,200
pH												9.7	8.1	
Temperature °F														
CHCl ppm		17.1						11.0	18.8					
CHCl lb/day		79						710	28					
Cr ppm		50,002												<0.002
Cr lb/day		0.005												1.9
Pb ppm						0.024	0.17							<0.002
Pb lb/day						0.004	0.006							1.9
Hg ppm			0.006	0.004	0.001									<0.0002
Hg lb/day			0.012	0.0020	0									0.19
TSS ppm			60				18	15	197					
TSS lb/day			115				6	968	298					
TOC ppm								17.1	347					
TOC lb/day								1163	525					
BOD ₅ ppm								5.2						
BOD ₅ lb/day								335						

Distribution:

R. J. King

J. Hart
M. Wood
B. Jones

J. Porter
R. Haslewood
O. Zamora

Records
Environmental Control Department

Comments:

Approved:

M. Wood

SL 023250

EFFLUENT STREAM FLOWRATES

Date: 3/30-73 through 3/31-73

<u>CODE</u>	<u>OUTFALL</u>	<u>FLOW</u>	<u>pH VIOLATIONS</u>
001	Mobil Bridge No. 2	178000	0
010	Plant 'B' C.T.B.D.	384	
	Hg Cell Sewer	698	
011	Carbon Filters	160	
011	Hg Trace Sewer	410	
012	Hg Cell C.T.B.D.	0	
013	O.T.C.W.	15440	
014	Diaphragm Cell Area	1345	
15/016	Powerhouse 'A' and 'B'	112.858	
17	Lead Treatment	30	
18	Plant 'B' Process	5376	
18	Sodium Formate Effluent	126	
19	Diaphragm Cell Area	0	
21	H-72"/Twin 54"	14350	0

MERCURY AND LEAD TREATMENT FLOWS

- 189 1. Sulfide Filters
- 19 2. Flow to Lead Ponds

Distribution: Environmental
Pat Tinney
Gaynell Clemons

SL 023251

PPG INDUSTRIES, INC.
INDUSTRIAL CHEMICAL DIVISION
LAKE CHARLES, LOUISIANA

Date: 3/31/83

Lake Charles Plant Effluent Report
(Environmental Laboratory)

Component, ppm		010	018	118
Chloroethene	(VC)	<u>0.19</u>	<u>0.01</u>	<u>0.15</u>
Chloroethane	(EC)	<u>1.5</u>	<u>0.08</u>	<u>0.04</u>
Methylene Chloride	(MeCl ₂)	<u>0.03</u>	<u>0.02</u>	<u>0.08</u>
1,1-Dichloroethene	(VDC)	<u>0.06</u>	<u>-</u>	<u><0.01</u>
1,1-Dichloroethane	(DCE)	<u>0.04</u>	<u>-</u>	<u>-</u>
1,2-Dichloroethene	(Cis/Trans)	<u>4.1</u>	<u>0.27</u>	<u><0.01</u>
Trichloromethane	(CHCl ₃)	<u>0.99</u>	<u>2.5</u>	<u>13.5</u>
1,2-Dichloroethane	(EDC)	<u>8.7</u>	<u>7.2</u>	<u>4.8</u>
1,1,1-Trichloroethane	(MC)	<u>0.51</u>	<u>-</u>	<u>-</u>
Tetrachloromethane	(CCl ₄)	<u>-</u>	<u>-</u>	<u>-</u>
Trichloroethene	(Trichlor)	<u>0.15</u>	<u>0.01</u>	<u><0.01</u>
1,1,2-Trichloroethane	(TCE)	<u>0.61</u>	<u>0.53</u>	<u>0.20</u>
Tetrachloroethene	(Perchlor)	<u>0.18</u>	<u>0.38</u>	<u>-</u>
		<u>-</u>	<u>-</u>	<u>-</u>
		<u>-</u>	<u>-</u>	<u>-</u>
Total CHC		<u>17.1</u>	<u>11.0</u>	<u>18.8</u>
Analysis Time:		<u>9:20 A.M.</u>	<u>8:35 A.M.</u>	<u>10:05 A.M.</u>
Method:		<u>A</u>	<u>A</u>	<u>A</u>
Analyst:		<u>Pat Brooks</u>		
Analysis Date:		<u>3/31/83</u>		
Comments:		<u>Method A - EPA No. 601/FID</u>		
		<u>Method B - Direct Injection/FID</u>		

Approved: 

3101-606-3
(Rev. 7/82)

PPG INDUSTRIES, INC.
CHEMICAL DIVISION-U.S.
LAKE CHARLES, LOUISIANA

Date: 3/31/83

Lake Charles Plant Effluent Report
(Environmental Group)

BOD₅ Analyses

 ppm

Plant B, C Process
(018)

5.2 ppm
335 #/d

Method: APHA No. 507/5-Day Incubation and Membrane Probe
D.O. Determination

Analyst: 16-7-ally

Completion Date: 4/5/83

Comments: Results are averages of three (3) dilutions per sample.

Distribution

M. W. Wood
R. J. King
B. Jones
J. Hart

Records
Environmental Control Department

Approved: 21

SL 023253

STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF ENVIRONMENTAL AFFAIRS/WATER POLLUTION CONTROL DIVISION
SAMPLING RECORD/CHAIN OF CUSTODY

PAGE 1 OF 1

RECEIPT NO. _____ TEAMLEADER Richard Goudeau

SAMPLE #	OUTFALL	ANALYSIS REQ./EST. RANGE mg/L	PRSVR. USED	DATE	TIME
158-033183-01-6	010	total Chromium / 0.01 mg/L	HNO ₃ to pH < 2	March 30-21, 1993	0720-
158-033183-03-6	011	MERCURY / 0.001-0.02 mg/L	HNO ₃ to pH < 2	" "	0735-
158-033183-04-6	011	TSS / 10-50 mg/L	cool, 4°C (ice)	" "	0735-
158-033183-05-6	017	LEAD / .05-0.2 mg/L	HNO ₃ to pH < 2	" "	0745-
158-033183-06-6	017	TSS / 25-150 mg/L	cool, 4°C (ice)	" "	0745-
158-033183-07-6	018	BOD ₅ , TSS / 2-10 mg/L	cool, 4°C (ice)	" "	0755-
158-033183-08-6	018	TOC / 1-15 mg/L	HCL to pH < 2	" "	0755-
158-033183-09-6	118	BOD ₅ , TSS / 50-150 mg/L	cool, 4°C	" "	0755-
158-033183-10-6	118	TOC / 150-750 mg/L	HCL to pH < 2	" "	0755-
158-033183-11-6	111	MERCURY / .001-.02 mg/L	HNO ₃ to pH < 2	" "	0740-
158-033183-12-6	019	TSS /	cool, 4°C	" "	

NAME	TITLE	DATE/TIME	ACTION	SIGNATURE
Kirk Manuel			collection of aliquots 1-3	R. Kirk Manuel
Bob Driggers, EISV			Collection of aliquots 4, 5, 6	Bob Driggers
J. K. vanagh, ESI			Collection of Aliquots 7+8	J. Earl Kammrigh

NPDES NO. LA0000761 NAME PPG Industries, Inc. LOCATION Lake Charles
Duplicate sample accepted by facility? YES ☐ NO ☒

Samples/receipt accepted by: _____ SIGNATURE _____ SL 023254

DATE/TIME	ALIQ. #	WITNESS SIGNATURE	TITLE	DATE/TIME	ALIQ. #	WITNESS SIGNATURE	TITLE
	1	R. Kirk Manuel			5	R. Kirk Manuel	
	2	R. Kirk Manuel			6	Anthony P. Planché	Env. Scientist
	3	R. Kirk Manuel			7	Anthony P. Planché	Env. Scientist
	4	R. Kirk Manuel				Anthony P. Planché	Env. Scientist

STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF ENVIRONMENTAL AFFAIRS/WATER POLLUTION CONTROL DIVISION
SAMPLING RECORD/CHAIN OF CUSTODY

PAGE 2 OF 01

RECEIPT NO.

TEAMLEADER Richard Goudie

SAMPLE #	OUTFALL	ANALYSIS REQ./EST. RANGE mg/L	PRSVR. USED	DATE	TIT
058-033183-14-6	018	CLHC (VOA) / 2-10 mg/L	ice		
aliquot #1	"			3/30/83	082
aliquot #2	"			3/30/83	115
aliquot #3	"			3/30/83	145
aliquot #4	"			3/30/83	172
aliquot #5	"			3/30/83	201
aliquot #6	"			3/31/83	001
aliquot #7	"			3/31/83	031
aliquot #8	"				
058-033183-17-6	118	CLHC (VOA) / 5-20 mg/L	ice		
aliquot #1	"			3/30/83	090
aliquot #2	"			3/30/83	120
aliquot #3	"			3/30/83	150
aliquot #4	"			3/30/83	172
aliquot #5	"			3/30/83	214
aliquot #6	"			3/31/83	210
aliquot #7	"			3/31/83	031
aliquot #8	"				

NAME	TITLE	DATE/TIME	ACTION	SIGNATURE
Kirk Murrell	SP III		collection of aliquots 1, 2, 3	Kirk Murrell
Tom Handman	SP II		collection of aliquots 4, 5, 6	Tom Handman
B. R. Figgie	EP SV		collection of aliquots 7, 8	B. R. Figgie
John Kovarnaghi	EP SI			John Kovarnaghi

NPDES NO. LA0000761 NAME PPC Industries Inc LOCATION LA 0114105
Duplicate sample accepted by facility? YES ☐ NO ☒

Samples/receipt accepted by:

NAME _____ SIGNATURE _____

DATE/TIME	ALIQ. #	WITNESS SIGNATURE	TITLE	ALIQ. #	WITNESS SIGNATURE	TITLE
	1	K. Figgie	SP III	5	K. Figgie	SP III
	2	K. Figgie	SP III	6	K. Figgie	SP III
	3	K. Figgie	SP III	7	K. Figgie	SP III
	4	K. Figgie	SP III	8	K. Figgie	SP III

SL 023255

PAGE 1 OF 1

TEAMLEADER Richard G. Godeau

[illegible]

NAME	TITLE	DATE/TIME	ACTION	SIGNATURE
Kirk Marmel			Collection of Aliquots 1-3	Kirk Marmel
Rob. Dingus, ERV			Collection of Aliquots 4, 5, 6	Rob. Dingus
Mark Kavanagh ERV I			Collection of Aliquots 7+8	Mark Kavanagh

NPDES NO. LA0000761 NAME PPG Industries, Inc. LOCATION At the Charles
Duplicate sample accepted by facility? YES ☐ NO ☒

Samples/receipt accepted by:
NAME

SIGNATURE

SL 023256

DATE/TIME			TITLE		
ALIQ. #	WITNESS SIGNATURE	TITLE	ALIQ. #	WITNESS SIGNATURE	TITLE
1	[Signature]		5	[Signature]	
2	[Signature]		6	Andy P. [Signature]	Env. Foreman
3	[Signature]		7	Andy P. [Signature]	Env. Foreman
4	[Signature]	Env. Foreman		[Signature]	Env. Foreman

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
OFFICE OF ENVIRONMENTAL AFFAIRS
DIVISION OF WATER POLLUTION CONTROL

INSTALLATION INSPECTION FORM

Date: MAR 14 1983 Time In: 0740 Time Out: 1100Name of Installation: PPG Industries, Inc Phone No.: 411-1111Mailing Address: P.O. Box 1000Lake Charles, La

Location (if different from above or directions to location to installation)

Columbia Intermid.Wastewater Discharge Permits State: LA NPDES No.: LA0000001Type of Facility: Water - alkali and Organic ChemicalsInstallation Representative: James W. Hyle, Mill Pond

Inspectors observations, problems, remarks, verbal commitments from installations representative:

compliance Sampling effort. 2 1/2 hr. team sampling effort
conducted from March 30 - 31, 1983. All areas observed as well as
source appeared satisfactory. The outfalls sampled were
111, 112, 113, 118, 119, 124, and 125. Laboratory results
reported and no any problems were indicated.
The inspection I conducted coincided with the audit.

Photographs taken: 16 Samples taken: 415 Company accepted split samples: 1Company Copy received by: Signature (X) [Signature]Title [Signature]Report by: Richard [Signature]