



PPG INDUSTRIES, INC. CHEMICAL DIVISION - U.S. P. O. BOX 1000 LAKE CHARLES, LA. 70602

October 17, 1983

Enforcement Branch (6W-E)
Environmental Protection Agency
1201 Elm Street
Dallas, TX 75270

RE: Permit No. LA0000761
Discharge Monitoring Report

Dear Sir:

Enclosed are the Discharge Monitoring Reports for July, August, and September, 1983. Incidents of excursions during the quarter were reported to your office as they occurred.

To summarize the DMR's in brief, the number of excursions reported for the priority pollutants (chlorinated hydrocarbons, mercury, and lead) were 1, 2, 0, respectively, for a 97.4% overall compliance level. The level of pH compliance averaged 99% for the continuous-monitored Outfall 001 during the third quarter. Attached are further explanations for the excursions that occurred during this quarter.

Also, during the third quarter six TOC violations were reported to your office (non-compliance reports dated July 17-23, July 24-30, and August 7-13) which were subsequently discovered to be incorrectly reported due to the erroneous inclusion of inorganic carbon in the TOC measurement. A follow-up report was sent to you on September 23, 1983 (see Attachment IV) in which a detailed explanation of the incident was given. In short the six TOC violations reported to you were not violations of our NPDES permit and so we therefore request that they be stricken from our files.

Should you have any questions regarding this report, please call J. E. Wyche at (318) 491-4830.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. Peard'.

William J. Peard
Manager, Environmental Control

/ds

...ns, Administrator

SL 046734

ATTACHMENT I

PH CONTROL (OUTFALL 001) - There were nine excursions this quarter, reported as follows:

July 3, 1983 @ 9:43 a.m. for 61 min. - pH + 0.1 - This marginal pH excursion occurred due to an error in the operation of the pH control system.

July 20, 1983 @ 8:03 p.m. for 1 hr. 7 min. - pH +0.3 - Due to operator error, a block valve was left open allowing high pH material to enter pH control. Neutralization capacity of pH control was exceeded. Disciplinary action was administered to the operator involved.

July 21, 1983 @ 7:56 p.m. for 27 min. - pH -3.2 - The transfer line which supplies the pH system with reagent became air locked; as a result neutralization was hampered. Alternatives to prevent locks in the transfer line are being evaluated.

July 21, 1983 @ 8:48 p.m. for 17 min - pH -2.8 - Same as above.

August 4, 1983 @ 1:22 a.m. for 1 hr. 51 min. - pH +0.3 - Equipment malfunction resulted in an overflow of alkaline material to pH control. The equipment was repaired.

August 5, 1983 @ 10:18 a.m. for 1 hr. 16 min. - pH +0.5 - Due to operator error, a drain valve was left open allowing high pH material to enter pH control. Neutralization capacity was exceeded. The operator was counselled.

August 9, 1983 @ 11:31 a.m. for 1 hr. 17 min. - pH +0.4 - Due to equipment problems, a tank overflowed high pH material to pH control. Neutralization capacity of pH control was exceeded. The equipment was repaired.

August 28, 1983 @ 10:35 a.m. for 1 hr. 37 min. - pH +0.3 - Equipment problems resulted in the overflow of high pH material to pH control; neutralization capacity was exceeded.

August 30, 1983 @ 10:40 a.m. for 13 min. - pH -2.7 - Due to an instrumentation problem, an excess of reagent was added to pH control.

ATTACHMENT II

PH CONTROL (OUTFALL 005) - There was one excursion this quarter, reported as follows:

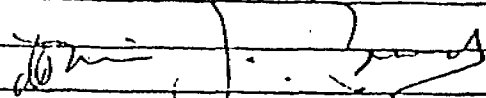
July 12, 1983 - pH +0.9 - This violation was caused by failures of an instrumentation system which allowed caustic to contaminate a condensate storage tank, the contents of which had to be discarded quickly (without neutralization) in order to prevent the emergency shutdown of a major portion of the Complex due to lack of boiler feedwater to our steam/power generating units. Approximately 430,000 gallons of pH 10.2 condensate were discharged to Outfall 005 between 2:00 a.m., and 11:00 a.m., on July 12. The circumstances leading to this unusual discharge are discussed more fully in our letter of July 22, 1983 to the Region VI Compliance Section of the U.S. EPA. (See attached letter)

SL 046736

PPG INDUSTRIES, INC., LAKE CHARLES, LA.
PERMIT NO.: NPDES - LA-0000761 (NON-COMPLIANCE REPORT)

Reporting Period: 7/10-7/16/83

July 22, 1983

Effluent Team No.	Effluent Characteristic	Lbs./Day Discharge Limitation	Lbs./Day Effluent Deviation	Date of Deviation	Time of Deviation	Reason or Explanation
11/111	llg	0.42	+ 2.49	7/14		See attached letter for explanation.
005	pll	6-9	+ 0.9	7/12		See attached letter for explanation.
						 I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information; I believe that the information is true, accurate, and complete; and I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

ATTACHMENT II (cont'd)
 046737

ATTACHMENT II (contir

SI 046737



PPG INDUSTRIES, INC.

CHEMICAL DIVISION - U. S.

P. O. BOX 1000

LAKE CHARLES, LA. 70602

July 22, 1983

Chief, Compliance Section
Water Management Division
U. S. Environmental Protection Agency
1201 Elm Street
Dallas, TX 75202

Reference: LA 0000 761

Gentlemen:

Notification of a pH non-compliance at Outfall 005 on July 12, was made to your Mr. M. S. Ramesh by phone on July 12. It was caused by failure of an instrumentation system which allowed caustic to contaminate a condensate storage tank, the contents of which had to be discarded quickly (without neutralization) in order to prevent the emergency shutdown of a major portion of the Complex due to lack of boiler feedwater to our steam/power generating units. Approximately 430,000 gallons of pH 10.2 condensate were discharged to Outfall 005 between 2:00 a.m., and 11:00 a.m., on July 12. The circumstances leading to this unusual discharge are described more fully in the following paragraphs.

On the evening of July 11, an upset in the Caustic Department resulted in high pH condensate. A continuous conductivity monitor detected the situation and automatically activated control valves to shut off the condensate flow to the condensate storage tanks at the powerhouse and divert the flow to the Complex pH control system for neutralization. The shut-off valve, however, failed to close completely and, before this problem was discovered and corrected, off-spec condensate contaminated the entire contents of a 500,000 gallon condensate storage tank at the powerhouse. The valve problem was subsequently found to be the result of a temporary air pressure signal to the valve which had been accidentally activated without anyone's knowledge; this second air signal prevented the valve from reaching a fully-closed position.

At Powerhouse A, condensate is stored in two 500,000 gallon storage tanks. When contamination of the #1 tank was discovered on the evening of July 11, an effort was made to blend the contents of #1 tank with good condensate, but due to the extent of contamination, this effort proved unsuccessful. At this point, since there is no way to transfer water from these storage tanks to the Complex neutralization system (due to remoteness from this system), in-place neutralization of the contaminated tank was the only

SL 046738

remaining alternative to dumping high pH condensate to Outfall 005. Several factors led supervision to choose the latter alternative.

First of all and most important, the reason that the primary protection system, the automatic shut-off system at the Caustic Department, had failed to prevent bad condensate from reaching the storage tank was not known at the time and supervision was very apprehensive that the problem might recur and contaminate the second tank. Running out of good condensate would have caused an unplanned shutdown of a major portion of the Complex with possible environmental releases of a more severe nature than the releasing of 10.2 pH condensate. Secondly, condensate usage was particularly heavy at this time, which meant there was little time for corrective action. Third, because of recent maintenance work on #2 tank, another supply of good condensate had been temporarily stored in a third tank. However, the third tank was piped only to the #1 tank which meant #1 tank would have to be emptied in order to gain access to this condensate. Neutralization of the large #1 tank before discharge would have taken at least several hours to accomplish on top of the time it would take to drain the tank to Outfall 005. Judgment of supervision was that this time was not available since access to the third tank of condensate was needed as quickly as possible in order to alleviate the extremely vulnerable situation the Complex was in.

The following steps have been taken or planned to prevent occurrence of this non-compliance:

1. The temporary air supply to the shut-off valve, which was the direct cause of this problem, has been physically removed.
2. The preventive maintenance attention given the shut-off/diversion system of the Caustic Department has been increased and it will be routinely checked weekly by the Plant Maintenance Group and will be checked for sampling each shift by the operators.
3. The powerhouse SOP has been revised to specify that a manual shut-off valve on the incoming condensate line at the powerhouse will always be closed as soon as off-spec condensate is detected. This step will help minimize the extent of contamination reaching the storage tanks. It was not taken in this instance until it was too late because the diversion system in the Caustic Department at first appeared to have functioned correctly.
4. An evaluation of the entire condensate quality assurance system from the Caustic Department to Powerhouse A will be undertaken and any revisions, if needed, will be made.

The mercury non-compliance of July 14 was caused by the inability of our mercury treatment system to handle the amount of waste water that required treatment on July 14. The abnormal amount of treatment capacity needed was the result of several simultaneous occurrences; (1) start-up of the Mercury Cell Plant after a two-day total maintenance outage, (2) multiple piping failures in the brine system, and (3) mechanical failures in the sulfide filter system.

The combination of above circumstances resulted in an excessive quantity of low pH water contaminated with high chlorine content.

Low pH water is difficult to treat for mercury because the treatment chemicals are consumed before they precipitate mercury sulfide. The normal procedure for treating such streams is to feed them into the treatment system at a slow and steady rate while closely monitoring performance.

In this case, the magnitude and frequency of the problems associated with start-up required treatment rates at levels higher than desired in order to prevent overflow of untreated waste water.

The combination of events that led to this non-compliance was extremely unusual and unlikely to recur. In light of the excellent performance of the mercury treatment system (no excursion for two years), existing treatment capability and procedures are deemed adequate.

Respectfully yours,



W. J. Peard
Manager, Environmental Control

fd

cc: Dale Givens
LA DNR Water Pollution Control Division

ATTACHMENT III

MERCURY (OUTFALLS 011/111) - The maximum limit of 0.42 lbs/day was exceeded twice during the quarter and reported as follows:

July 14, 1983 - This violation was caused by the inability of our mercury treatment system to handle the amount of waste water that required treatment on July 14. The abnormal amount of treatment capacity needed was the result of several simultaneous occurrences; (1) start-up of the Mercury Cell Plant after a two-day total maintenance outage, (2) multiple piping failures in the brine system, and (3) mechanical failures in the sulfide filter system. More details surrounding this incident are discussed in our letter of July 22, 1983 to the Region VI Compliance Section of the U.S. EPA. (See Attachment II for copy of letter)

September 15, 1983 - An apparent failure in the north brine dechlorination tank allowed mercury-containing brine to enter the trace sewer (Outfall 111). The flash tank is being opened to identify, and correct the failure. Routine monitoring of the effluent from this vessel is being implemented to provide early detection of any future such incident. No current violation problems with 011 and 111 exist.



PPG INDUSTRIES, INC. CHEMICAL DIVISION - U.S. P. O. BOX 1000 LAKE CHARLES, LA. 70602

September 23, 1983

Director
Water Management Division (6W)
U.S. Environmental Protection Agency
Region VI
First International Building
1201 Elm Street
Dallas, TX 75270

NPDES Permit No. LA0000761

Dear Sir:

This is a follow-up report regarding the TOC violations reported at Outfall 018 on non-compliance reports dated July 17-23, 1983; July 24-30, 1983; and August 7-13, 1983.

As previously indicated, it has been determined that the TOC values reported as violations for July 21, 25, 31 and August 4, 8, and 9 were not, in fact, violations because the high values resulted from inadequate removal of inorganic carbon, namely CO_2 , from the sample prior to TOC analysis. Laboratory studies show that (see attachments), for reasons not yet clear, the standard procedure specified for removal of inorganic carbon leaves in these samples large amounts of such carbon, but that purging the sample with nitrogen for 20 minutes removes all inorganic carbon. Accordingly, in order to prevent continued reporting of erroneously high results, beginning with samples collected on August 11, this nitrogen purging step has been incorporated into the TOC analysis procedure. To compensate for the loss of organic volatiles during the purging step, the carbon content of the purgeable organics is being determined and added to the TOC measured in the purged sample. Our laboratory is continuing to study this matter to verify the accuracy of the revised procedure and to recommend an alternate method if necessary.

SL 046742

In summary, the TOC values reported as violations for the six dates listed above were incorrectly reported as violations since the high values resulted not from organic carbon but from the erroneous inclusion of inorganic carbon in the TOC measurement.

We request these 6 TOC violations be stricken from our record in your files.

Sincerely,



James E. Wyche, III
Coordinator Environmental Systems

/ds

cc: J. Dale Givens, Administrator

CHEMICALS



INDUSTRIES

INTEROFFICE / LAKE CHARLES

TO J. E. Wyche

DATE Sept. 21, 1983

FROM M. Wood *MW*

SUBJECT TOC Analysis on 018

Excessively high amounts of dissolved CO₂ have recently been found interfering with TOC determination at Outfall 018. It is suspected that this has resulted in a major, positive bias in many or all reported values for the last several months. Unfortunately, neither the occasion nor the extent of bias can be documented. Therefore, I suggest TOC values reported on 018 for the past several months not be used for compliance purposes.

Attached are data presented by T. Angelini in her investigation of the problem. Figure 1 shows the difficulty in removing high concentrations of CO₂ from acidified water samples. Figure 2 contains some extreme examples of this interference on outfall samples. Also attached is a Record of Telephone Conversation with the La. DNR Chief Chemist, Robert Kuss, concerning TOC analyses.

MW/ce

Attachments

cc: H. Hoenes
W. Cooper

SL 046744

FIGURE 1

DISSOLVED CO_2 ELIMINATION FROM $\text{CO}_3^{2-}/\text{HCO}_3^-$ STANDARDS

pH Adjusted to < 2 with HCl
prior to Nitrogen Purge

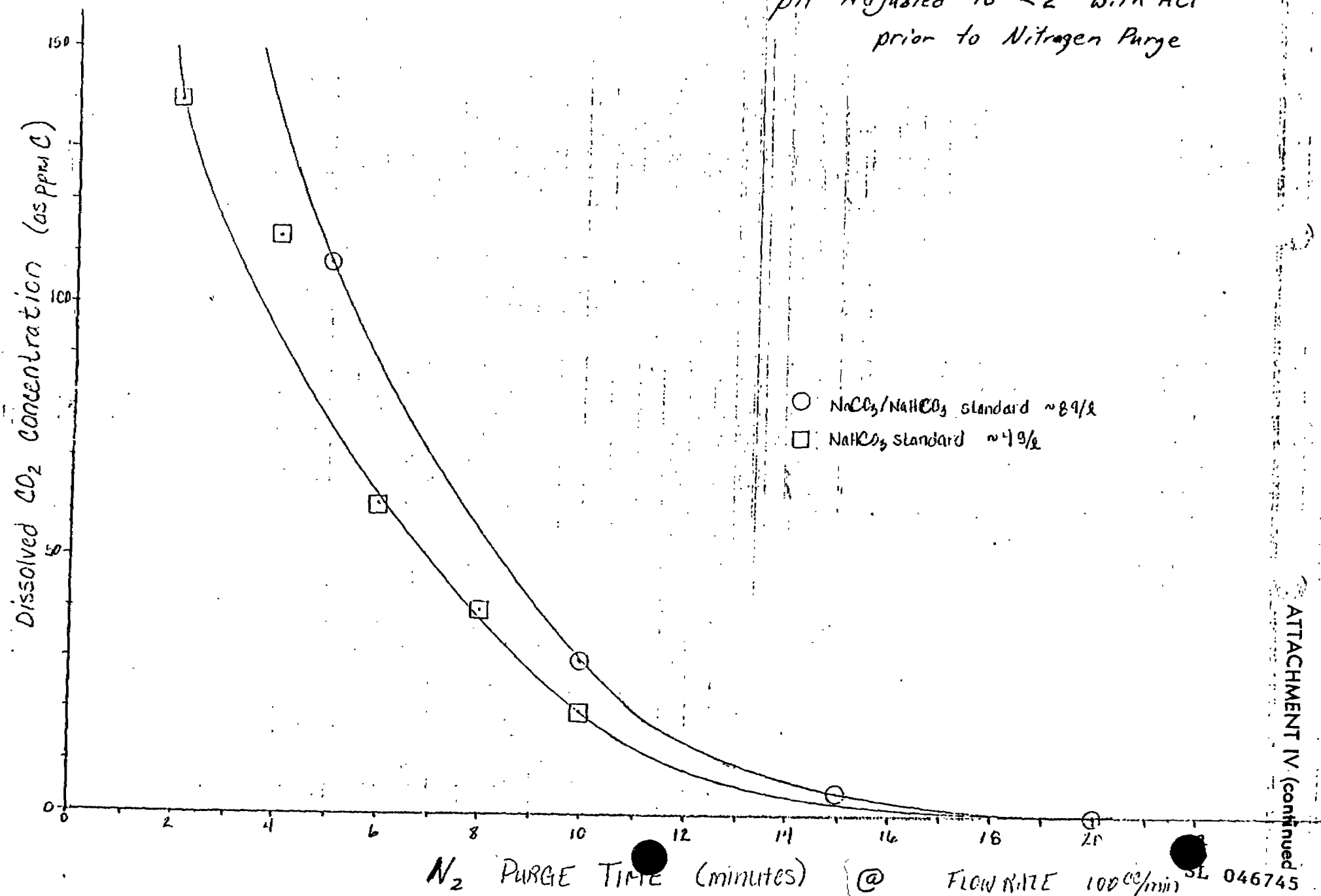


FIGURE 2

EFFECTS OF DISSOLVED
CO₂ ON TOC VALUES

SAMPLE	TOC CONCENTRATION (PPM)		CONTRIBUTION FROM 'BURGEABLE' ORGANICS (PPM) *
	ACIDIFICATION	ACIDIFICATION + N ₂ PURGE	
8/3 Outfall 006	272	40.1	-
8/12 Outfall 018 (composite)	67.5	1.7	2.07
8/15 Outfall 018 (composite)	Not Determined	2.2	0.19
8/17 Outfall 018 (composite)	Not Determined	2.2	0.05

* As Determined by EPA Method # 601

PPG INDUSTRIES
LAKE CHARLES, LA.RECORD OF TELEPHONE CONVERSATION

Date 8-12-83 Subject TOC Anal.
Call to Bob Kuss, Chief Chemist Location La DNR Lab; Baton Rouge, LA
Call from Mark Wood Location PPG, Lake Charles

Mr. Kuss was asked about CO₂ interferences after typical CO₂ removal techniques. He stated they currently use the same equipment (Astro 1850) as we do and had found occasional problems. He said they had resorted to lengthy sparging (as long as 26 min in some cases) to externally remove CO₂. I asked him about the loss of volatiles and he replied he was concerned but considered it to be a lesser error.

Bob also said he was going to retire the Astro instrument soon and would be using a newly purchased instrument that internally sparges CO₂ and traps volatile organic carbon compounds to be included in the total determination.

Other topics discussed were brine interferences and free chlorine generation.

Copies To

NPDES QA File

SL 046747

ATTACHMENT V

CHLORINATED HYDROCARBONS (OUTFALLS 010/018/118) - The maximum limit of 1368 lbs/day was exceeded once during the quarter and reported as follows:

August 25, 1983 - No cause or problem could be found which would explain this excursion.

SL 046748

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES, INC.**
ADDRESS **G. C. Strickler, Works Manager**

TAKE CHARGES **LA 70602**

FACILITY **DD I**

LOCATION **LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

F - FINAL LIMITS
FINAL OUTFALL

13 00761
PERMIT NUMBER

001
DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY
3 7 1 3 7 31
(20 21) (22 24) (25 28) (29 29) (30 31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			N. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE	SAMPLE MEASUREMENT	*****	*****	*****	*****	99°	105°	NA	CONT	RECORD
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	NA	CONT	RECORD
FLO	SAMPLE MEASUREMENT	177,516	215,500		*****	*****	*****	NA	CONT	RECORD
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	NA	CONT	RECORD
PH	SAMPLE MEASUREMENT	*****	4.11	*****	2.3	*****	10.2	L = 2 H = 2	CONT	RECORD
	PERMIT REQUIREMENT	*****	4.46	MIN/MO	6.0	*****	9.0	S	CONT	RECORD
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THESE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$50,000 and/or maximum imprisonment of between 5 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318

491-4500

83

07

31

AREA CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

THERE SHALL BE NO DISCHARGE OF POLLUTANTS OR OTHER MATERIALS EXCEPT IN TRACE AMOUNTS.

For pH -- see letter of 10/17/83, Attachment I.

046749

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES, INC.
ADDRESS G. C. STRICKLER, WORKS MANAGER
5000 10th
LAKE CHARLES LA 70602
FACILITY PPG T-2
LOCATION LAKE CHARLES LA 70602

LA00-0761
PERMIT NUMBER

005
DISCHARGE NUMBER

F - FINAL LIMITS
SURFACE RUNOFF

MONITORING PERIOD

FROM

YEAR	MO	DAY
83	07	01

 TO

YEAR	MO	DAY
83	07	31

(20-21) (22-24) (26-28) (29-31) (30-31) (31-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (58-63)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	9.2°	11.0°		NA	3/7	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****			THREE WEEK	GRAB
FLO	SAMPLE MEASUREMENT	708	1600	CP	*****	*****	*****	*****	NA	3/7	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****		THREE WEEK	GRAB
PH	SAMPLE MEASUREMENT	*****	*****	*****	7.4	*****	9.9	L = H =	0 1	3/7	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.7	MINIMUM MAXIMUM		THREE WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

318 491-4500

DATE

83 07 31

AREA
CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

For pH -- see letter of 10/17/83, Attachment II.

046750

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES, INC.
ADDRESS G. C. STRICKLER, WORKS MANAGER
FACILITY PPG
LOCATION LA 70602

LA0000761
PERMIT NUMBER

10
DISCHARGE NUMBER

F - FIFAL LIMITS
AREA 9 UNCONTAMINATED CTBD

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
83	7	1	83	07	31
(12-16)	(12-19)	(12-29)	(12-27)	(12-29)	(12-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (58-65)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLUORIDE	SAMPLE MEASUREMENT	542	750		*****	*****	*****	*****	NA	CONT RECORD
	PERMIT REQUIREMENT	*****	*****	GM	*****	*****	*****	*****		CONTINUOUS
CHLORIDE	SAMPLE MEASUREMENT	.12	.50		*****	*****	*****	*****	0	3/7 24 HC
	PERMIT REQUIREMENT	8 DAILY AV	16 DAILY MX	L-5/7	*****	*****	*****	*****		THREE WEEK
CHLORIDE	SAMPLE MEASUREMENT	*	*		*****	*****	*****	*****	---	---
	PERMIT REQUIREMENT	684 DAILY AV	1368 DAILY MX	L-5/7	*****	*****	*****	*****		THREE WEEK
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER G. C. Strickler Works Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>G. C. Strickler</i>	TELEPHONE 318 491-4500	DATE 83 07 31
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
*See Outfall 8

SL 0460

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PPG INDUSTRIES, INC.
 ADDRESS G. C. STRICKLER, WORKS MANAGER
P.O. BOX 1000
LAKE CHARLES, LA 70602
 FACILITY PPG I.D.
 LOCATION LAKE CHARLES, LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(12-16) 12700761
 PERMIT NUMBER
 (17-19) 011
 DISCHARGE NUMBER

F - FINAL LIMITS
 MERCURY CELLS SEE F1

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 FROM YEAR 83 MO 07 DAY 01 TO YEAR 83 MO 07 DAY 31
 (12-21) (12-29) (12-31) (12-27) (12-29) (12-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (54-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOAT- BOOBS EFFECTIVE CROSS VALU	SAMPLE MEASUREMENT	183	241		*****	*****	*****	*****	NA	CONT	RECORD
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	*****		CONTI	RECORD
MERCURY, TOTAL (AS REQ) 71900 EFFECTIVE CROSS VALU	SAMPLE MEASUREMENT	.26	2.91		*****	*****	*****	*****	1	3/7	24 HC
	PERMIT REQUIREMENT	.21 DAILY 1"	.42 DAILY 1"	LES/ Y	*****	*****	*****	*****		THREE WEEK	COMP24
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
 Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY BUREAU OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

G. C. Strickler

TELEPHONE

318 491-4500

DATE

83 07 31

TYPED OR PRINTED

AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SEE PERMIT FOR MERCURY CELLS SEWER (SEE PPG D.G. 20A-1-1577-2-6, STEPHENS 5,6).
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACK AGENTS.
 For Hg -- see letter of 10/17/83, Attachment III.

SL 6752

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES, INC.**
ADDRESS **G. C. STRICKLER, WORKS MANAGER**

LOCATION **LAKE CHARLES**

FACILITY **PPG T-1**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER **1A000761**
DISCHARGE NUMBER **111**

F - FINAL LIMITS
MERCURY TRACE SEVER

Form Approved
OMB No. 2000-0015

MONITORING PERIOD
FROM **83 07 31** TO **83 07 31**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLO 00358 EFFLUENT TONNES PER DAY MERCURY, TOTAL (25-31) 71900 EFFLUENT GROSS TONNES PER DAY	SAMPLE MEASUREMENT	***** 497	***** 580	*****	*****	*****	*****	*****	NA	CONT
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****		CONT
	SAMPLE MEASUREMENT	*	*		*****	*****	*****	*****		
	PERMIT REQUIREMENT	0.21 DAILY	0.42 DAILY	1-5/DY	*****	*****	*****	*****	THREE WEEK	COMP24
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER G. C. Strickler Works Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1318. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>G. C. Strickler</i>	TELEPHONE 318 491-4500	DATE 83 07 31
TYPED OR PRINTED		AREA CODE NUMBER YEAR MO DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

*See Outfall 1

SL 046753

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES, INC.
ADDRESS G. C. STRICKLER, WORKS MANAGER
P.O. BOX 1000
LAKE CHARLES, LA 70602
FACILITY PPG INC.
LOCATION LAKE CHARLES, LA 70602

(2-16) 181-00761
PERMIT NUMBER

(17-19) 012
DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
83	07	01	TO	83	07	31

(2-21) (2-22) (2-23) (2-24) (2-25) (2-26) (2-27)

F - FINAL LIMITS
HG CELL COOLING TWR BLOWDOWN

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOX 4000 00156 1 EFFLUENT CROSS SECTION	SAMPLE MEASUREMENT	80	150		*****	*****	*****	*****	NA	7/7	24 HT
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	*****		THREE WEEK	CALCT
MERCURY, TOTAL (AS AG) 7190 1 EFFLUENT CROSS SECTION	SAMPLE MEASUREMENT	.001	.003		*****	*****	*****	*****	NA	3/7	24 HC
	PERMIT REQUIREMENT	*****	*****	1-5 S/DY	*****	*****	*****	*****		THREE WEEK	COMP 24
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	TELEPHONE		DATE		
G. C. Strickler Works Manager TYPED OR PRINTED		318 491-4500 AREA CODE NUMBER		83	07	31
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.
MERCURY SHALL BE TYPE III OR TYPE IV OR TYPE V

SL 6754

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)

NAME PPG INDUSTRIES, INC.
ADDRESS G. C. STRICKLER - WORKS MANAGER
P.O. BOX 1000
LAKE CHARLES LA 70602
FACILITY PPG T-1
LOCATION LAKE CHARLES LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

1200000761

013

PERMIT NUMBER

DISCHARGE NUMBER

F - FINAL LIMITS
SUM OF 013, 015, 016 FLOW

Form Approved
OMB No. 2000-0015

MONITORING PERIOD

FROM YEAR 83 MO 07 DAY 01 TO YEAR 83 MO 07 DAY 31
(12-21) (12-24) (12-25) (12-31) (12-29) (12-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FIELD DATA	SAMPLE MEASUREMENT	138,446	169,900	GM	*****	*****	*****	*****	NA	CONT	CALC
0005H	PERMIT REQUIREMENT	*****	*****	GM	*****	*****	*****	*****		CONT	CALC
SECTION 1	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY ADOPTED OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

Brian Paul

TELEPHONE

318 491-4500

AREA CODE NUMBER

DATE

83 07 31

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

046755

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Form Approved
OMB No. 2000-0015

NAME **PPG INDUSTRIES, INC.**
ADDRESS **G. C. STRICKLER, WORKS MANAGER**
EFFECTIVE DATE **01/01/83**
LAKE/STREAM **LAKE CHARLES**
FACILITY **PPG**
LOCATION **PPG**

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER **1A 00761**
DISCHARGE NUMBER **017**

F - FILL/ITS
LEAD TREATMENT DISCHARGE

MONITORING PERIOD
FROM **83 07 01** TO **83 07 31**
(12/21) (12/29) (12/31) (12/21) (12/29) (12/31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FIELD NO.	SAMPLE MEASUREMENT	56	114		*****	*****	*****	*****	NA	CONT RECORD
PERMIT REQUIREMENT	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	*****		CONT RECORD
SOLIDS, TSS	SAMPLE MEASUREMENT	10	28		*****	*****	*****	*****	NA	3/7 24 HC
SISPE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****	*****		THREE WEEK COMP 24
LEAD, PPM	SAMPLE MEASUREMENT	.35	1.02		*****	*****	*****	*****	0	3/7 24 HC
PERMIT REQUIREMENT	PERMIT REQUIREMENT	5.1	10.1	LBS/DY	*****	*****	*****	*****		THREE WEEK COMP 24
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER G. C. Strickler Works Manager	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>G. C. Strickler</i>	TELEPHONE 318 491-4500	DATE 83 07 31
TYPED & PRINTED			AREA CODE 318	NUMBER 491-4500

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOA EXCEPT IN TRACE AMOUNTS.

SL 046756

PERMITTEE NAME/ADDRESS (Include Facility Name if location is different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES, INC.
ADDRESS G. C. STRICKLER, WORKS MANAGER
14 77632
FACILITY LAKE CHARLES
LOCATION LAKE CHARLES

140000751
PERMIT NUMBER

018
DISCHARGE NUMBER

F - FINAL LIMITS
PROCESS WASTE WATER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
83	07	31	83	7	31
(12/31)	(12/31)	(12/31)	(12/31)	(12/31)	(12/31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TOTAL TOXIC SUBSTANCES	SAMPLE MEASUREMENT	4648	5295		*****	*****	*****	*****	NA	CONT	RECORD
	PERMIT REQUIREMENT	*****	*****	20	*****	*****	*****	*****		CONT	RECORD
TOTAL CHLORIDES	SAMPLE MEASUREMENT	125	134		*****	*****	*****	*****	0	1/7	24 HC
	PERMIT REQUIREMENT	774 DAILY AV	1298 DAILY MAX	MG/LY	*****	*****	*****	*****		WEEKLY	COMP24
SOLIDS, TOTAL	SAMPLE MEASUREMENT	2160*	*****		*****	*****	*****	*****	0	3/7	24 HC
	PERMIT REQUIREMENT	3100	*****	MG/LY	*****	*****	*****	*****		SEE EFF. IT	
SOLIDS, TOTAL	SAMPLE MEASUREMENT	1943	3961		*****	*****	*****	*****	0	3/7	24 HC
	PERMIT REQUIREMENT	4500 DAILY AV	8700 DAILY MAX	MG/LY	*****	*****	*****	*****		THREE WEEK	COMP24
TOTAL CHLORIDES	SAMPLE MEASUREMENT	1932	4150		*****	*****	*****	*****	3	3/7	24 HC
	PERMIT REQUIREMENT	1300 DAILY AV	2500 DAILY MAX	MG/LY	*****	*****	*****	*****		THREE WEEK	COMP24
CHLORIDE AND SULFIDE	SAMPLE MEASUREMENT	178	395		*****	*****	*****	*****	0	3/7	24 HC
	PERMIT REQUIREMENT	694 DAILY AV	1368 DAILY MAX	MG/LY	*****	*****	*****	*****		THREE WEEK	COMP24
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

318 491-4500 83 07 31

DATE

AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

*Last 12 months average.
For TOC -- see letter of 10/17/83, Attachment IV.

SL 04675

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES, INC.**
ADDRESS **G. C. STRICKLER, WORKS MANAGER**

DATE **07/01/83**

FACILITY **PPG**

LOCATION **177**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

216
1751
PERMIT NUMBER

117-19
019
DISCHARGE NUMBER

F - FINAL LIMITS
SUM OF 011,017,019, FLOC & TSS

Form Approved
OMB No. 2000-0015

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
83	07	01	83	07	31
(26-27)	(26-28)	(26-29)	(26-27)	(26-29)	(26-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOC	SAMPLE MEASUREMENT	363	494		*****	*****	*****	*****	NA	CONT	RECORD
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	*****		CONT	RECORD
SOLIDS, TOTAL	SAMPLE MEASUREMENT	471	1602		*****	*****	*****	*****	0	3/7	24 HC
	PERMIT REQUIREMENT	1118	2234		*****	*****	*****	*****		THREE	CO-P2
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY ACQUAINTANCE WITH THE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

318 491-4500

AREA CODE

DATE

83 07 31

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

046758

PERMITTEE NAME/ADDRESS (Include Facility Name if location is different)

NAME **PPG INDUSTRIES, INC.**

ADDRESS **G. C. STRICKLER, WORKS MANAGER**

PO BOX 100

LAKE CHARLES, LA 70601

FACILITY **PPG I**

LOCATION **LAKE CHARLES, LA 70601**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

F - FINAL LIMITS

COOLING WATER

Form Approved

OMB No. 2000-0015

1A-000751
PERMIT NUMBER

021
DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
83	7	01		83	07	31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE PPG I EFFLUENT COOLING WATER	SAMPLE MEASUREMENT	*****	*****	*****	*****	102°	108°		NA	CONT
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	10.5	CONT	RECORD
FLOW RATE PPG I EFFLUENT COOLING WATER	SAMPLE MEASUREMENT	21395	25200	GP	*****	*****	*****	*****	NA	CONT
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	CONT	RECORD
PH PPG I EFFLUENT COOLING WATER	SAMPLE MEASUREMENT	*****	*****	*****	6.0	*****	11.6		NA	CONT
	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	5.0	CONT	RECORD
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 07 31

AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SL 046759

LOCATION *AK 01 21 75*

PERMIT NUMBER

424

DISCHARGE NUMBER

MONITORING PERIOD

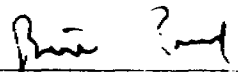
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
43	07	01	63	07	31
(1943)	(07)	(01)	(1963)	(07)	(31)

SURFACE TRAIL OF - PHOENIX STNG

Form Approved
OMB No. 2000-0015

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(1 Card Only) QUANTITY OR LOADING (46-53)			(2 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (52-61)	FREQUENCY OF ANALYSIS (54-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
0047 EFFLUENT TREATMENT PLANT	SAMPLE MEASUREMENT	*****	*****	*****	8.2	*****	8.2	L = 1	5/7*	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	6.3	*****	11.0	H = 1		
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
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	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME, TITLE, PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
G. C. Strickler Works Manager TYPED OR PRINTED			318 491-4500	83	07	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here.)

*When flowing
Flow indicated two (2) times during month.

046760

PERMITTEE NAME/ADDRESS (Include Facility Name if location is different)

NAME PPG INDUSTRIES, INC.
 ADDRESS G. C. STRICKLER, WORKS MANAGER
 CITY CINCINNATI
 STATE OHIO
 ZIP 45202
 FACILITY PPG TANKS
 LOCATION 10000 WILSON AVE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(216) 100751 (1719) 025
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL LIMITS
 STORM DRAINAGE 1500 T/D CHDR

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM 83 7 31 TO 83 7 31
 (8/21) (10/21) (12/21) (12/27) (12/29) (12/31)

NOTE Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			QUALITY OR CONCENTRATION (46-53)			NO. EX (52-61)	FREQUENCY OF ANALYSIS (54-63)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM	MAXIMUM			
POLLUTANT	SAMPLE MEASUREMENT	1391	297.6		*****	*****	*****	*****	*****	*****	NA	5/7*	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	*****	*****	*****		DAILY	GRAB
POLLUTANT	SAMPLE MEASUREMENT	*****	*****	*****	8.9	*****	10.0		*****	*****	NA	5/7*	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	SD	*****	*****		DAILY	GRAB
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
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	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
 Works Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$1,000 and/or maximum imprisonment of between 5 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

G. C. Strickler

TELEPHONE

DATE

318 491-4500 83 07 31
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR OIL OR GREASE EXCEPT IN TRACE AMOUNTS.
 MONITORING AND RECORDING ALL DISCHARGES.
 When flowing.

SL 046761

PERMITTEE NAME/ADDRESS (Include Facility Name if different)

NAME PPG INDUSTRIES, INC.
ADDRESS G. C. STRICKLER, WORKS MANAGER

FACILITY LA 7752
LOCATION LA 7752

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
PERMIT NUMBER 120
DISCHARGE NUMBER 120

4 - FINAL LIMITS
STORE DRAINAGE

Form Approved
OMB No. 2000-0015

MONITORING PERIOD
FROM YEAR 87 MO 1 DAY 1 TO YEAR 88 MO 7 DAY 31
(12-21) (12-21) (12-21) (12-25) (12-29) (12-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT		29	64		*****	*****	*****	NA	5/7*	GRAB
PERMIT REQUIREMENT		*****	*****		*****	*****	*****		FEF=	GRAB
									DAYS	
SAMPLE MEASUREMENT		*****	*****	*****	5.9	*****	8.5	NA	5/7*	GRAB
PERMIT REQUIREMENT		*****	*****	*****	*****	*****	*****		FEF=	GRAB
									DAYS	
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										

NAME TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$25,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 07 31
AREA CODE NUMBER YEAR MO DAY

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

*When flowing

SL 046762

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES**
 ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY **PPG IND.**
 LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

LA0000761
 PERMIT NUMBER
 001
 DISCHARGE NUMBER

F - FINAL LIMITS
 FINAL OUTFALL

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM 83 08 01 TO 83 08 31
 (20 21) (22 24) (25 26) (28 29) (30 31) (01 02)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 EFFLUENT GROSS VALUE FLOW RATE	SAMPLE MEASUREMENT	*****	*****	*****	*****	96°	103°		NA	CONT RECORD
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	DEG.F		CONT IN RECORD UOUS
CO058 1 0 EFFLUENT GROSS VALUE PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****		NA	CONT RECORD
	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****			CONT IN RECORD UOUS
00400 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	L = H = SU	1 4	CONT RECORD
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.0			CONT IN RECORD UOUS
		446		MIN/MO	MINIMUM		MAXIMUM			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:

G. C. Strickler
 Works Manager

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$250,000 and imprisonment for up to 5 years.

TELEPHONE

DATE

SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

318 491-4500 83 08 31
 AREA NUMBER YEAR MO DAY

SWAP AND EXPOSE TO CONTAMINANTS (2 pages - see attachments here)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.
 For pH - - Letter of 10/17/83, Attachment I.

SL 046763

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES**
 ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY **PPG IND.**
 LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-16) **LA0000761**
 PERMIT NUMBER
 (2-19) **005**
 DISCHARGE NUMBER

F - FINAL LIMITS
SURFACE RUNOFF

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM **83 08 01** TO **83 08 31**
 (2-21) (2-22) (2-23) (2-27) (2-28) (2-29)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (4 Card Only) (45-53)			QUALITY OR CONCENTRATION (4 Card Only) (45-53)			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	33°	90°	NA	3/7	GRAB
EFFLUENT GROSS VALUE FLOW RATE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	***** DEG.F		THREE	GRAB WEEK
00058 1 0	SAMPLE MEASUREMENT	436	680		*****	*****	*****	NA	3/7	GRAB
EFFLUENT GROSS VALUE PH	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****		THREE	GRAB WEEK
00400 1 0	SAMPLE MEASUREMENT	*****	*****	*****	7.2	*****	7.4 L = H =	0	3/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	0.0 MINIMUM	*****	9.0 SU MAXIMUM		THREE	GRAB WEEK
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319. Penalties under these statutes may include fines up to \$100,000 and imprisonment of individuals for up to 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 08 31
 AREA CODE NUMBER YEAR MO DAY

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

SL 6764

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)

NAME **PPG INDUSTRIES**
ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY **PPG IND.**
LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

LA0000761
PERMIT NUMBER
010
DISCHARGE NUMBER

F - FINAL LIMITS

AREA B UNCONTAMINATED CTBD

Form Approved
OMB No. 2000-0015

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 83 08 01 TO 83 08 31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		1. Card Only (46-53) QUANTITY OR LOADING (34-51)			4. Card Only (38-45) QUALITY OR CONCENTRATION (34-61)			NO. EX (32-40)	FREQUENCY OF ANALYSIS (34-35)	SAMPLE TYPE (32-33)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	SAMPLE MEASUREMENT	622	342	GPM	*****	*****	*****	*****	NA	CONT RECORD
00058 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****	CONTINUOUS	RECORD
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	.15	.63	LBS/DY	*****	*****	*****	*****	3/7	24 HC
01034 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	DAILY AV	DAILY MX	LBS/DY	*****	*****	*****	*****	THREE WEEK	COMP24
CHLORINATED HYDRO- CARBONS, GENERAL	SAMPLE MEASUREMENT	*	*	LBS/DY	*****	*****	*****	*****	---	---
74052 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	DAILY AV	DAILY MX	LBS/DY	*****	*****	*****	*****	THREE WEEK	COMP24
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319. Signature under these penalties may include those of the owner, operator, or responsible official of the facility and I agree.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 08 31

AREA CODE NUMBER YEAR MO DAY

CHLORINATED HYDROCARBONS LIMIT IS SUM OF 010 & 018.

*See Outfall 18

ST. 046765

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES**
 ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY **PPG IND.**
 LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

LA0000761
 PERMIT NUMBER

011
 DISCHARGE NUMBER

F - FINAL LIMITS
 MERCURY CELLS SEWER

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
83	06	01	83	08	31

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-67)
		AVERAGE	MAXIMUM	UNITS	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	SAMPLE MEASUREMENT	81	237		*****	*****	*****	*****		
00058 1 0	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****	NA	CONT RECORD
EFFLUENT GROSS VALUE										
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	.05	.15		*****	*****	*****	*****		
71900 1 0	PERMIT REQUIREMENT	.21	.42	LBS/DY	*****	*****	*****	*****	0	3/7 24 HC
EFFLUENT GROSS VALUE	DAILY AV	DAILY MX								THREE/COMP 24
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME TITLE PRINCIPAL EXECUTIVE OFFICER G. C. Strickler Works Manager	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY ACQUAINTANCE WITH THE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319. Analytical data under these statutes may be used for civil and criminal prosecution for up to 6 months after the date of maximum imprisonment for the offense.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>G. C. Strickler</i>	TELEPHONE 318 491-4500	DATE 83 08 31
--	--	--	----------------------------------	-------------------------

SAMPLE AT **WATER BOX IN MERCURY CELLS SEWER (SEE PPG DWG 20A-1-1577-P-6, STREAMS 5,6).**
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

SL 6766

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES**
 ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY **PPG IND.**
 LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(12-16) **LA0000761** (17-19) **III**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL LIMITS
MERCURY TRACE SEWER

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 FROM YEAR **83** MO **08** DAY **01** TO YEAR **83** MO **08** DAY **31**
 (10-21) (12-21) (12-31) (10-21) (12-29) (12-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (38-43) (46-53) (54-61)				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	SAMPLE MEASUREMENT	***** 547	***** 660	*****	*****	*****	*****	*****	*****	*****	*****
CO058 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER G. C. Strickler Works Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.	TELEPHONE 318 491-4500	DATE 83 08 31
TYPED OR PRINTED SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>G. C. Strickler</i>			

MERCURY IS THE SUM OF PPM AND PPM

SL 046767

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PPG INDUSTRIES
 ADDRESS G. C. STRICKLER WORKS AGR.
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY PPG IND.
 LOCATION LAKE CHARLES LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

LA0000761
 PERMIT NUMBER
 012
 DISCHARGE NUMBER

F - FINAL LIMITS
 HG CELL COOLING TWR BLOWDOWN

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 FROM YEAR 83 MO 08 DAY 01 TO YEAR 83 MO 06 DAY 31
 (12/21) (12/25) (12/29) (12/27) (12/29) (12/31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (45-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. OF ANALYSES	FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	SAMPLE MEASUREMENT	88	299		*****	*****	*****	*****		
00058 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****	NA 7/7	24 HT
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	.008	.066		*****	*****	*****	*****		
71900 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****	*****	NA 3/7	24 HC
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
 Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment of 5 years for individuals and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 08 31

AREA CODE NUMBER YEAR MO DAY

SAMPLE PREPARATION TO BE DONE WITH OTHER STREAM(S).

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.
 MERCURY SAMPLE TYPE LINEAR OR TIME COMPOSITE

SL 046768

PERMITTEE NAME, ADDRESS (include
Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES
ADDRESS G. C. STRICKLER WORKS MGR.
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY PPG IND.
LOCATION LAKE CHARLES LA 70602

LA0000761
PERMIT NUMBER

013
DISCHARGE NUMBER

F - FINAL LIMITS
SUM OF 013,015,016 FLOW

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 83 08 01 TO 83 08 31
(2-21) (2-22) (2-23) (2-27) (2-28) (2-29)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		(2 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (46-52)			NO. EX	FREQUENCY OF ANALYSIS (18-20)	SAMPLE TYPE (19-21)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	SAMPLE MEASUREMENT	113088	129512		*****	*****	*****	*****		
00050 1 0	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****		NA CONT CALC
EFFLUENT GROSS VALUE										CONTINUOUS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME, TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED
AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED
ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR
OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION
IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL
PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING
THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND
33 USC 1319. Penalties under these statutes may include fines up to \$100,000
and a maximum imprisonment of not more than 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500

83 08 31

AREA
CODE

NUMBER

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SL 46769

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PPG INDUSTRIES
G. C. STRICKLER WORKS MGR.
 ADDRESS P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY PPG IND.
 LOCATION LAKE CHARLES LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

PERMIT NUMBER LA0000761

DISCHARGE NUMBER 017

MONITORING PERIOD
 YEAR MO DAY
 FROM 83 08 01 TO 83 08 31
 (08/01) (08/25) (08/25) (08/27) (08/29) (08/31)

F - FINAL LIMITS
 LEAD TREATMENT DISCHARGE

Form Approved
 OMB No. 2000-0015

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-63)			NO. EX	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (70-75)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	SAMPLE MEASUREMENT	25	26	GPM	*****	*****	*****	*****	NA	CONT RECORD
00058 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	*****		CONT IN RECORD
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	3	12	LBS/DY	*****	*****	*****	*****	NA	3/7 24 HC
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	*****		THREE/COMP24 WEEK
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	.07	.22	LBS/DY	*****	*****	*****	*****	0	3/7 24 HC
01051 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	5.1 DAILY AV	10.1 DAILY MX		*****	*****	*****	*****		THREE/COMP24 WEEK
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
 Works Manager

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THESE MATTERS I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 2385C 1319. False statements may include false data up to 50% and maximum imprisonment of 5 years and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

G. C. Strickler

TELEPHONE

DATE

318 491-4500
 AREA CODE NUMBER

83 08 31
 YEAR MO DAY

TYPED OR PRINTED

SEE PPG DMR FOR QUALITY CONTROL STREAM 18.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

046770

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)

NAME PPL INDUSTRIES

ADDRESS G. C. STRICKLER WORKS MGR.

P O BOX 1000

LAKE CHARLES

FACILITY PPL IND.

LOCATION LAKE CHARLES

LA 70602

LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

LA0000761

PERMIT NUMBER

018

DISCHARGE NUMBER

F - FINAL LIMITS
PROCESS WASTEWATER

Form Approved
OMB No. 2000-0015

MONITORING PERIOD

YEAR MO DAY

YEAR MO DAY

FROM 83 08 01 TO 83 08 31

(12-21) (12-22) (12-23) (12-24) (12-25) (12-26) (12-27)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		(13 Card Only) QUANTITY OR LOADING (46-51)			(14 Card Only) QUALITY OR CONCENTRATION (34-41)			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	SAMPLE MEASUREMENT	4422	6404		*****	*****	*****	*****		NA CONT RECORD
00058 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****		CONTINUOUS
BOD ₅ 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	159	335		*****	*****	*****	*****	0	1/7 24 HC
00310 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	774 DAILY AV	1298 DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY COMP 24
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	2082	*****		*****	*****	*****	*****	0	3/7 24 HC
00530 R C SEE COMMENTS BELOW	PERMIT REQUIREMENT	3100	*****	LBS/DY	*****	*****	*****	*****		SEE PERMIT
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	1856	4572		*****	*****	*****	*****	0	3/7 24 HC
00530 1 C EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	4500 DAILY AV	8700 DAILY MX	LBS/DY	*****	*****	*****	*****		THREE/COMP 24 WEEK
TOTAL ORGANIC CARBON (TOC)	SAMPLE MEASUREMENT	1608	3855		*****	*****	*****	*****	3	3/7 24 HC
00680 1 C EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1300 DAILY AV	2600 DAILY MX	LBS/DY	*****	*****	*****	*****		THREE/COMP 24 WEEK
CHLORINE RESIDUE	SAMPLE MEASUREMENT	369	1764		*****	*****	*****	*****	1	3/7 24 HC
74052 1 C EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	684 DAILY AV	1368 DAILY MX	LBS/DY	*****	*****	*****	*****		THREE/COMP 24 WEEK
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME, TITLE

G. C. Strickler
Work Manager

SIGNED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$250,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 08 31

AREA CODE NUMBER YEAR MO DAY

CHLORINE RESIDUE IS THE SUM OF 018 AND 010.

*Last 12 months average.

For TOC -- see letter of 10/17/83, Attachment IV.

For CHL -- see letter of 10/17/83, Attachment V.

SL 046771

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PPG INDUSTRIES
 ADDRESS G. C. STRICKLER WORKS MGR.
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY PPG IND.
 LOCATION LAKE CHARLES LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(12-16) LA0000761
 PERMIT NUMBER

(17-19) 019
 DISCHARGE NUMBER

F - FINAL LIMITS
 SUM OF 011,017,019, FLOW & TSS

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 FROM YEAR 83 MO 08 DAY 01 TO YEAR 83 MO 08 DAY 31
 (12-21) (12-23) (12-25) (12-27) (12-29) (12-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (45-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (42-43)	FREQUENCY OF ANALYSIS (44-45)	SAMPLE TYPE (46-47)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW RATE	SAMPLE MEASUREMENT	318	434		*****	*****	*****	*****		
00658 1 0	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****	NA	CONT RECORD
EFFLUENT GROSS VALUE										CONTIN RECORD
SOLIDS, TOTAL	SAMPLE MEASUREMENT	358	709		*****	*****	*****	*****		
SUSPENDED	PERMIT REQUIREMENT	1118	2236	LBS/DY	*****	*****	*****	*****	0	3/7 24 hr
00530 1 0										THREE/COMP 24
EFFLUENT GROSS VALUE										WEEK
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
 Works Manager

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THESE FACTS, I AM IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment for individuals of 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 08 31
 AREA CODE NUMBER YEAR MO DAY

TYPED OR PRINTED

318 IS THE SUM OF 011,017 AND 019.

SL 046772

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES**
 ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY **PPG IND.**
 LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-16) **LA0000761** (17-19) **021**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL LIMITS
COOLING WATER

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM **83 08 01** TO **83 08 31**

NOTE: Read instructions before completing this form.

PARAMETER (22-27)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	99°	109°				NA CONT RECORD
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	DEG.F			CONT IN RECORD
FLOW RATE 00056 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	22,581	28450		*****	*****	*****				NA CONT RECORD
	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****				CONT IN RECORD
PH 00400 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	6.8	*****	11.8				NA CONT RECORD
	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	SU			CONT IN RECORD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THESE INFORMATION, I AM IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1313. Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment for 10 years for each offense.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 08 31
 AREA CODE NUMBER YEAR MO DAY

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

SL 046773

NAME PPG INDUSTRIES

NAME PPG INDUSTRIES
ADDRESS G. C. STRICKLER WORKS MGR.

ADDRESS P O BOX 1050

LAKE CHARLES LA 70602

~~SECURITY~~ PFG IND.

LOCATION LAKE CHARLES LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

215.

117-19,

LACU00761

024

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
83	06	01	83	08	31
(06 25)	(06 25)	(06 25)	(06 25)	(06 25)	(06 31)

F - FINAL LIMITS
SURFACE DRAINAGE - PRODN STRG

Form Approved
OMB No. 2000-0015

NOTE: Read instructions before completing this form.

[illegible]

INDICATE INSTANCES AND PLOTIONS (Reference to all comments here)

*When flowing
Flow indicated five (5) times during month.

046774

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME **PPG INDUSTRIES**
ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY **PPG IND.**
LOCATION **LAKE CHARLES LA 70602**

LA0000761
PERMIT NUMBER

025
DISCHARGE NUMBER

F - FINAL LIMITS
STORM DRAINAGE 1500 T/D CHLRN

MONITORING PERIOD
FROM **83 08 01** TO **83 08 31**
(2-16) (2-17) (2-18) (2-19) (2-20) (2-21)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)				NO. EX (52-53)	FREQUENCY OF ANALYSIS (54-55)	SAMPLE TYPE (56-57)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	SAMPLE MEASUREMENT	2105	8094		*****	*****	*****	*****	NA	5/7*	GRAB
00058 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****		DAILY	GRAB
Ph	SAMPLE MEASUREMENT	*****	*****	*****	6.2	*****	9.6		NA	5/7*	GRAB
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	SU		DAILY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of between 6 months and 5 years.	TELEPHONE	DATE
G. C. Strickler Works Manager TYPED OR PRINTED		[Signature] SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	318 1491-4500 AREA CODE NUMBER

SEE PPG BWG 202-1577-1111 (Reference all attachments here)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.
MONITOR WHEN FLOWING ALL PARAMETERS.
*When flowing.

SL 046775

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PPG INDUSTRIES

ADDRESS G. C. STRICKLER WORKS MGR.

P O BOX 1000

LAKE CHARLES

LA 70602

FACILITY PPG IND.

LOCATION LAKE CHARLES

LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

LA0000761

PERMIT NUMBER

026

DISCHARGE NUMBER

F - FINAL LIMITS
STORM DRAINAGE

Form Approved
OMB No. 2000-0015

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
83	08	01	83	08	06
(12-21)	(12-21)	(12-21)	(12-21)	(12-21)	(12-21)

FROM

TO

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		1 Card Only (46-53)		4 Card Only (38-45)		QUALITY OR CONCENTRATION (46-53)			NO. EX (42-43)	FREQUENCY OF ANALYSIS (44-45)	SAMPLE TYPE (47-48)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	SAMPLE MEASUREMENT	40	180		*****	*****	*****	*****			
00058 1 0	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****	NA	5/7*	GRAB
EFFLUENT GROSS VALUE										WEEK-	GRAB
pH	SAMPLE MEASUREMENT	*****	*****	*****	6.6	*****	7.9				
00400 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	SU	NA	5/7*	GRAB
EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM			WEEK-	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THESE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 33 USC 1301 AND 33 USC 1318. Penalties under these statutes may include fines up to \$1,000 and/or maximum imprisonment of 6 months and 1 year.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500

83 08 31

AREA
CODE

NUMBER

YEAR

MO

DAY

MONITOR PROGRAM WHEN FLOWING (Reference all attachments here)

*When flowing

SL 04 6

PERMITTEE NAME ADDRESS (Include Facility Name, Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES
ADDRESS G. C. STRICKLER WORKS MGR.
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY PPG IND.
LOCATION LAKE CHARLES LA 70602

LA0000761 001
PERMIT NUMBER DISCHARGE NUMBER

F - FINAL LIMITS
FINAL OUTFALL

MONITORING PERIOD

YEAR MO DAY YEAR MO DAY
FROM 83 09 01 TO 83 09 30

NOTE: Read instructions before completing this form.

PARAMETER (2-4)	X	1. Cont. Dis. QUANTITY OR LOADING (4-5)			2. Cont. Dis. QUALITY OR CONCENTRATION (4-5)			NO. EX (4-2)	FREQUENCY OF ANALYSIS (4-2)	SAMPLE TYPE (4-2)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 0011 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	94°	105°		NA	CONT RECORD
EFFLUENT GROSS VALUE FLOW RATE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	UG/G.F		CONTIN RECORD UCUS
0058 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	NA	CONT RECORD
EFFLUENT GROSS VALUE PM	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****		CONTIN RECORD UCUS
0040 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	5.8*	9.8*	L = H = SU	0	CONT RECORD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	6.0 MIN/MO	9.0 MAXIMUM		0	CONTIN RECORD UCUS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE EPCRA 106 AND 33 USC 1319. Any person who knowingly provides false information to the EPA or the receiving water body shall be liable for a civil penalty of not more than \$25,000 per day of violation.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 09 30

AREA CODE NUMBER YEAR MO DAY

SAMPLE AT TIME OF VIOLATIONS (If applicable, use a different date)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

*Duration of excursion did not exceed 60 minutes, and so, therefore, did not constitute a violation.

SL 046777

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES
ADDRESS G. C. STRICKLER WORKS MGR.
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY PPG IND.
LOCATION LAKE CHARLES LA 70602

LA0000761

PERMIT NUMBER

005

DISCHARGE NUMBER

F - FINAL LIMITS
SURFACE RUNOFF

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
83	09	01	TO	83	09 30
(29-31)	(12-2)	(24-26)		(29-31)	(12-2)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (38-41)			QUALITY OR CONCENTRATION (42-45)			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	82°	92°		NA 3/7	GRAB
EFFLUENT GROSS VALUE FLOW RATE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	DEG.F	THREE/	GRAB WEEK
00058 1 0	SAMPLE MEASUREMENT	715	2100		*****	*****	*****		NA 3/7	GRAB
EFFLUENT GROSS VALUE PH	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****		THREE/	GRAB WEEK
00400 1 0	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.7	L = 0 H = 0	3/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	0.0 MINIMUM	*****	9.0 MAXIMUM	SU	THREE/	GRAB WEEK
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 18 USC 1011. Penalties under these statutes may include fines up to \$10,000 and imprisonment for up to 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 '09 30

AREA CODE NUMBER YEAR MO DAY

TYPED OR PRINTED

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

SL 046778

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **PPG INDUSTRIES**
 ADDRESS **G. C. STRICKLER WORKS**
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY **PPG IND.**
 LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

Form Approved
 OMB No. 2000-0015

216. 17-19
LA0000761
 PERMIT NUMBER
010
 DISCHARGE NUMBER

F - FINAL LIMITS
AREA B UNCONTAMINATED CTBD

MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM **83 09 01** TO **83 09 30**
 (20 20) (20 20) (20 20) (20 20) (20 20) (20 20)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		Card Only (45-51)			UNITS	Card Only (38-45)			UNITS	Card Only (46-53)			NO. EX (54-55)	FREQUENCY OF ANALYSIS (56-57)	SAMPLE TYPE (58-59)
		AVERAGE	MAXIMUM			MINIMUM				AVERAGE	MAXIMUM				
FLOW RATE	SAMPLE MEASUREMENT	627	1036			*****				*****	*****	*****			
00056 1 0	PERMIT REQUIREMENT	*****	*****		GPM	*****				*****	*****	*****			NA CONT RECORD
EFFLUENT GROSS VALUE															CONTINUOUS
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	.09	16			*****				*****	*****	*****			
01034 1 0	PERMIT REQUIREMENT	8	16		LBS/DY	*****				*****	*****	*****			03/7 24
EFFLUENT GROSS VALUE	DAILY AV DAILY MX														THREE/CMP24
CHLORINATED HYDRO- CARBONS, GENERAL	SAMPLE MEASUREMENT	*	*			*****				*****	*****	*****			
74052 1 0	PERMIT REQUIREMENT	004	1368		LBS/DY	*****				*****	*****	*****			THREE/CMP24
EFFLUENT GROSS VALUE	DAILY AV DAILY MX														WEEK
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319. Penalties under these statutes may include fines up to \$10,000 and 5 years or both, imprisonment for not more than 5 months and 5 years.	TELEPHONE	DATE
G. C. Strickler Works Manager		818 491-4500	83 09 30
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER

CHLORINATED HYDROCARBONS LIMIT IS SUM OF 010 & 018.

*See Outfall 018

046779

NAME

ADDRESS

Abstract

— — —

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

1000

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER

DISCHARGE NUMBER

FROM

YEAR	MO	DAY
83	00	01

 TO

YEAR	MO	DAY
83	09	30

Form Approved
OMB No. 2000-L

PARAMETER (32-37)	AVERAGE	MAXIMUM	UNITS	QUANTITY OR LOADING (45-51)		QUALITY OR CONCENTRATION (52-58)		NO. OF ANALYSES (59-61)	FREQUENCY OF ANALYSES (62-64)	SAMPLE TYPE (65-67)			
				AVERAGE	MAXIMUM	MINIMUM	MAXIMUM						
FLOW RATE													
00058 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	176	232	*****	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****			
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	.11	.98	*****	*****	*****	*****	*****	*****	*****			
71900 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	.21 DAILY AV	.42 DAILY MX	*****	*****	*****	*****	*****	*****	*****			
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
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	PERMIT REQUIREMENT												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	G. C. Strickler Works Manager			CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319. Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of not more than 5 months and 5 years.				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE	
TYPED OR PRINTED				318 491-4500				83 09 30					
				AREA CODE NUMBER				YEAR MO DAY					

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

For Hq -- See letter of 10/17/83, Attachment III.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES
ADDRESS G. C. STRICKLER WORKS MGR.
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY PPG IND.
LOCATION LAKE CHARLES LA 70602

1216
LA0000761

PERMIT NUMBER

111

DISCHARGE NUMBER

F - FINAL LIMITS
MERCURY TRACE SEWER

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 83 09 01 TO 83 09 30
(2020) (2021) (2022) (2022) (2022) (2022)

NOTE: Read instructions before completing this form.

PARAMETER (32-47)	SAMPLE MEASUREMENT	13 Card Only (45-53) QUANTITY OR LOADING (54-61)			14 Card Only (62-69) QUALITY OR CONCENTRATION (70-77)			UNITS	NO. EX	FREQUENCY OF ANALYSIS (82-87)	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
FLUW RATE	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
00058 1 0	460	380	*****	*****	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$250,000 and/or maximum imprisonment of between 6 months and 5 years.

TELEPHONE

318 491-4500

DATE

83 09 30

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

G. C. Strickler

AREA CODE NUMBER YEAR MO DAY

MERCURY IS THE SON OF OIL AND TIL.

046781

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES
ADDRESS G. C. STRICKLER WORKS MFG.
P O BOX 1000
LAKE CHARLES LA 70002
FACILITY PPG INC.
LOCATION LAKE CHARLES LA 70002

LAC000761

012

PERMIT NUMBER

DISCHARGE NUMBER

F - FINAL LIMITS
HG CELL COOLING TWR BLOWDOWN

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 83 09 01 TO 83 09 30

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		1. Card Only) QUANTITY OR LOADING (45-53)			2. Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW RATE	SAMPLE MEASUREMENT	56	292		*****	*****	*****	*****		
00158 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	6PM	*****	*****	*****	*****	NA 7/7	24 HT
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	.005	.027		*****	*****	*****	*****		
71900 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****	*****	NA 3/7	24
	SAMPLE MEASUREMENT									THREE/COMP24
	PERMIT REQUIREMENT									WEEK
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
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	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME TITLE PRINCIPAL EXECUTIVE OFFICER
G. C. Strickler
Works Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 33 USC 1301 AND 33 USC 1319. Penalties under these statutes may include fines up to \$50,000 and in maximum imprisonment of 6 months, 6 months and 3 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE
318 491-4500
DATE
83 09 30
AREA CODE NUMBER YEAR MO DAY

SAMPLE PRIOR TO DISCHARGE WITH OTHER STREAMS).
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.
MERCURY SAMPLE TYPE LINEAR OR TIME COMPOSITE

SI 046782

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PPG INDUSTRIES
 ADDRESS G. C. STRICKLER WORKS MGR.
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY PPG IND.
 LOCATION LAKE CHARLES LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

12-16 17-19
 LA0000761 013
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL LIMITS
 SUM OF 013,015,016 FLOW

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM 83 09 01 TO 83 09 30
 (12-31) (12-31) (12-31) (12-31) (12-31) (12-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (45-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO EX	FREQUENCY OF ANALYSES	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE					*****	*****	*****	*****		
00058 1 C EFFLUENT GROSS VALUE		SAMPLE MEASUREMENT 132595	154607	GPM	*****	*****	*****	*****	NA CONT	CALC
		PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	CONTINUED	CALC
		SAMPLE MEASUREMENT								
		PERMIT REQUIREMENT								
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		SAMPLE MEASUREMENT								
		PERMIT REQUIREMENT								

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
 Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of between 5 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 09 30

AREA CODE NUMBER YEAR MO DAY

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

046783

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PPG INDUSTRIES
 ADDRESS G. C. STRICKLER WORKS MGR.
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY PPG IND.
 LOCATION LAKE CHARLES LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

LA0000761
 PERMIT NUMBER

017
 DISCHARGE NUMBER

F - FINAL LIMITS
 LEAD TREATMENT DISCHARGE

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM 83 09 01 TO 83 09 30

NOTE: Read instructions before completing this form.

PARAMETER (32-47)	SAMPLE MEASUREMENT (48-53)	QUANTITY OR LOADING (54-57)		QUALITY OR CONCENTRATION (58-63)			NO. OF EX. ANALYSES (64-65)	FREQUENCY OF ANALYSES (66-67)	SAMPLE TYPE (68-69)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE			
FLOW RATE 00058 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT 17	120	GPM	*****	*****	*****	*****	*****	NA CONT RECORD
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT 4	13	LBS/DY	*****	*****	*****	*****	*****	CONTINUOUS
LEAD, TOTAL (AS PB) 01051 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT .08	.47	LBS/DY	*****	*****	*****	*****	*****	THREE/COMP24 WEEK
	PERMIT REQUIREMENT 5.1 DAILY AV	10.1 DAILY MX		*****	*****	*****	*****	*****	THREE/COMP24 WEEK
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								

NAME TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
 Works Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY ACQUAINTANCE WITH THE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319. Penalties under these statutes may include fines up to \$250,000 and a maximum imprisonment of between 5 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 09 30
 AREA CODE NUMBER YEAR MO DAY

SEE PPG-DWG 20X-1577-P6 STREAM 1C.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

046784

PERMITTEE NAME ADDRESS Include
Facility Name, Location (if different)

NAME **PPG INDUSTRIES**
ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY **PPG IND.**
LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

LA0000761 018
PERMIT NUMBER DISCHARGE NUMBER

F - FINAL LIMITS
PROCESS WASTEWATER

Form Approved
OMB No. 2000-0015

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 83 09 01 TO 83 09 30
(09/01) (09/30) (09/01) (09/30) (09/01) (09/30)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. OF ANALYSES EX	FREQUENCY OF ANALYSES	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	AVERAGE	MAXIMUM	UNITS			
FLOW RATE					*****	*****	*****	*****		
00058 1 0	SAMPLE MEASUREMENT	4867	5816							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****		NA CONT RECORD
BOD, 5-DAY (20 DEG. C)										
00310 1 0	SAMPLE MEASUREMENT	175	288							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	774	1298	LBS/DY	*****	*****	*****	*****	0 1/7 24	WEEKLY COMP 24
SOLIDS, TOTAL SUSPENDED										
00530 R 0	SAMPLE MEASUREMENT	2016*								
SEE COMMENTS BELOW	PERMIT REQUIREMENT	3100	*****	LBS/DY	*****	*****	*****	*****	0 3/7 24 HC	SEE PERMIT
SOLIDS, TOTAL SUSPENDED										
00530 1 0	SAMPLE MEASUREMENT	1789	3487							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	4500	8700	LBS/DY	*****	*****	*****	*****	0 3/7 24 HC	THREE/COMP 24
TOTAL ORGANIC CARBON (TOC)										
00680 1 0	SAMPLE MEASUREMENT	653	952							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1300	2600	LBS/DY	*****	*****	*****	*****	0 3/7 24 HC	THREE/COMP 24
CHLORINATED HYDRO- CARBONS, GENERAL										
74052 1 0	SAMPLE MEASUREMENT	149	545							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	684	1368	LBS/DY	*****	*****	*****	*****	0 3/7 24 HC	THREE/COMP 24
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319. Penalties under these statutes may include fines up to \$250,000 and 5 years imprisonment or both for individuals and 5 years and \$500,000 for corporations.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

318 491-4500

DATE

83 09 30

TYPED OR PRINTED

CHECK IN THE FOLLOWING BOXES IF THE SIGNATURE IS THE SIGNATURE OF THE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT.

*Last 12 months average.

046785

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PPG INDUSTRIES
 ADDRESS G. C. STRICKLER WORKS MFG.
P O BOX 1000
LAKE CHARLES LA 70602
 FACILITY PPG IND.
 LOCATION LAKE CHARLES LA 70602

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

LA0000761

PERMIT NUMBER

019

DISCHARGE NUMBER

F - FINAL LIMITS

SUM OF 011,017,019, FLOW & TSS

Form Approved
 OMB No. 2000-0015

MONITORING PERIOD
 FROM 83 09 01 TO 83 09 30
 (MM) (DD) (YY) (MM) (DD) (YY)

NOTE: Read instructions before completing this form.

PARAMETER (32-47)	X	3 Card Only (45-53)			4 Card Only (44-45)			QUALITY OR CONCENTRATION (54-61)			NO. EX (52-53)	FREQUENCY OF ANALYSIS (54-55)	SAMPLE TYPE (56-57)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
FLOW RATE	SAMPLE MEASUREMENT	313	436		*****	*****	*****	*****	*****	*****	NA	CONT	RECORD
00058 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****	*****	*****		CONT	RECORD
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	52	445		*****	*****	*****	*****	*****	*****	0	3/7	24
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1118	2236	LBS/DY	*****	*****	*****	*****	*****	*****		THREE	COMP 2
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 33 USC 1361 AND 33 USC 1319. Penalties under these statutes may include fines up to \$250,000 and/or maximum imprisonment of not more than 5 years and 3 years.	TELEPHONE	DATE			
G. C. Strickler Works Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	318 491-4500	83 09 30		
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

THIS IS THE SUM OF 011,017 AND 019.

046786

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Form Approved
OMB No. 2000-0015

NAME **PPG INDUSTRIES**
ADDRESS **G. C. STRICKLER WORKS MGR.**
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY **PPG IND.**
LOCATION **LAKE CHARLES LA 70602**

2-16, 17-19
LA0000761
PERMIT NUMBER
021
DISCHARGE NUMBER

F - FINAL LIMITS
COOLING WATER

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM **83 09 01** TO **83 09 30**
(2023) (2023) (2023) (2023) (2023) (2023)

NOTE: Read instructions before completing this form.

PARAMETER (2-3)		3 Card Only (46-53)			4 Card Only (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. OF EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	95°	106°						NA CONT RECORD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	DEG.F					CONTIN RECORD UOUS
FLOW RATE 00059 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****					NA CONT RECORD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****					CONTIN RECORD UOUS
PH 00400 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	6.2	11.2						NA CONT RECORD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	MINIMUM	MAXIMUM	SU					CONTIN RECORD UOUS
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												

NAME, TITLE PRINCIPAL EXECUTIVE OFFICER
G. C. Strickler
Works Manager

CERTIFY UNDER PENALTY OF LAW THAT HAVE PERSONALLY EXAMINED
AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED
ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR
OBTAINING THE INFORMATION BELIEVE THE SUBMITTED INFORMATION
IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SE-
VERE PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING
THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND
33 USC § 1319. Penalties under these statutes may include fines up to \$100,000
and a maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE
318 491-4500
DATE
83 09 30

EXISTING ASH OR SLUDGE DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

046787

PERMITTEE NAME ADDRESS Include
Facility Name Location (if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

NAME PPG INDUSTRIES
ADDRESS G. C. STRICKLER WORKS MGR.
P O BOX 1000
LAKE CHARLES LA 70602
FACILITY PPG IND.
LOCATION LAKE CHARLES LA 70602

LA0000761

PERMIT NUMBER

024

DISCHARGE NUMBER

F - FINAL LIMITS
SURFACE DRAINAGE - PRODN STRG

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 83 09 01 TO 83 09 30
1983 2003 1983 2003 1983 2003

NOTE: Read instructions before completing this form.

PARAMETER (20-21)		(1 Card Only) QUANTITY OR LOADING (45-53)			(2 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. OF EX. ANALYSES	FREQUENCY OF ANALYSES	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		*****	*****	*****	7.7	*****	10.0	L =	8		
00400 1 0		*****	*****	*****	0.0	*****	11.0	H =	8	5/7*	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	SU		WEEK-DAYS	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$250,000 and 5 years imprisonment or both, and civil penalties up to \$25,000 per day.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 09 30
AREA CODE NUMBER YEAR MO DAY

INDICATE INSTANCES OF FLOW

*When flowing
Flow indicated five (5) times during month.

046788

PERMITTEE NAME ADDRESS
Facility Name Location

NAME **PPG INDUSTRIES**
ADDRESS **G. C. STRICKLER WORKS MGR.**
F O BOX 1000
LAKE CHARLES LA 70602
FACILITY **PPG IND.**
LOCATION **LAKE CHARLES LA 70602**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

256 1726
LA0000761 025
PERMIT NUMBER DISCHARGE NUMBER

Form Approved
OMB No. 2000-0075
F - FINAL LIMITS
STORM DRAINAGE 1500 T/D CHLRN

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 83 09 01 TO 83 09 30
1983 1983 1983

NOTE: Read instructions before completing this form.

PARAMETER (34-51)		QUANTITY OR LOADING (34-51)		UNITS	QUALITY OR CONCENTRATION (34-51)		UNITS	NO. OF EX. ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM		MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	SAMPLE MEASUREMENT	947	6629	GPM	*****	*****	*****	*****	NA 5/7*	GRAB
00000 1 0	PERMIT REQUIREMENT	*****	*****	GPM	*****	*****	*****	*****	DAILY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	NA 5/7*	GR.
PH	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	DAILY	GRAB
00400 1 0	SAMPLE MEASUREMENT	*****	*****	*****	9.1	10.0	SU	*****	NA 5/7*	GR.
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	MAXIMUM	*****	*****	DAILY	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

G. C. Strickler
Works Manager

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 18 USC 1003. Signature under these statutes may include: (1) the individual's name, (2) the individual's title, and (3) the individual's address.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

318 491-4500 83 09 30
AREA CODE NUMBER YEAR MO DAY

TYPED OR PRINTED

SEE PAGES 201-202 FOR ADDITIONAL INFORMATION. Retention: all attachments here.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

MONITOR WHILE FLOWING ALL PARAMETERS.

*When flowing.

046789

Form Approved
OMB No. 2200-0045

F - FINAL LIMITS
STORM DRAINAGE

51422

MOON CRIS PER OD

FROM	YEAR			TO	YEAR		
	MO	DA			MO	DA	
	83	09	01		83	09	30

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OF LOADING		QUALITY OR CONCENTRATION		NO. OF ANALYSES	FREQUENCY OF ANALYSES	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM			
FLOW RATE	SAMPLE MEASUREMENT	22	23		*****	*****	*****	*****
WUSE 1 0	PERMIT REQUIREMENT	*****	*****	624	*****	*****	*****	*****
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	6.3	*****	7.9	*****
PH	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****
W0400 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	*****
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							

G. C. Strickler
Works Manager

[illegible]

DATE _____

**SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT**

4318 491-4500 83 '09 '30

AREA CODE	NUMBER	YEAR	MO	DAY
--------------	--------	------	----	-----

*When flowing.

SL 046790