



PPG Industries, Inc. Chemicals P.O. Box 1000 Lake Charles, Louisiana 70602

October 17, 1990

Mr. Tom Coerver
Department of Environmental Quality
Air Quality Division
P O Box 44096
Baton Rouge, LA 70804-4096

Dear Mr. Coerver:

Re: Quarterly Fugitive Emission Report

In accordance with the provisions of LAC 33:III.2121.F, the PPG Industries Lake Charles Complex is hereby submitting its quarterly fugitive emission monitoring report for the period of 7/01/90 through 9/30/90.

Attached for your review are the following tabulations and summaries for this quarter. The 0.59 percent of valves leaking value once again demonstrates that the PPG Complex is at the "good performance level" for the quarter.

Attachment I	Complex Performance Summary
Attachment II	Test/Repair Summaries
Attachment III	Delayed Repair Summary
Attachment IV	Turnaround Repair Summary
Attachment V	EDC #1 Unit Data
Attachment VI	EDC #2 Unit Data
Attachment VII	VDCM Unit Data
Attachment VIII	Tri-Ethane II Unit Data
Attachment IX	Ethyl Chloride Unit Data
Attachment X	Per/Tri Unit Data
Attachment XI	Waste Treatment Unit Data
Attachment XII	CPC Unit Data
Attachment XIII	VCM II Unit Data

All other required monitoring not otherwise listed was performed. Items listed in Attachment IV, Turnaround Repair Summary, are

those believed to risk higher emissions if repair is attempted without a unit shutdown.

If you have any questions regarding this report, please call me at (318) 491-4326.

Respectfully,

Esther S. Liggio
Esther S. Liggio
Environmental Engineer

Certified Mail/Return Receipt Requested

SL 025292

Attachment 1

DARBONNE SERVICES, INC.
PRG INDUSTRIES, INC.
QUARTERLY REPORT
SUMMARY AND GOOD PERFORMANCE
For Period Ended 09/30/90

Total Number of Components Monitored: 1534
Total Number of Components Leaking: 5
Total Number of Components Repaired: 4

GOOD PERFORMANCE LEVEL

Number of Valves Monitored: 1529
Number of Valves Leaking: 5 % of Valves Leaking: .33
Number of Valves Repaired: 4 % of Valves Repaired: 44

All monitoring of fugitive emissions has been performed as required by Section 11.01 of the Louisiana Air Quality Regulations.

PRG INDUSTRIES, INC.

DARBONNE SERVICES, INC.

Esther S. Liggio
Signature

W. R. D. L.
Signature

Environmental Engineer
Title

10-8-90
Date

10/17/90
Date

Attachment II

CARBONNE SERVICES INC.

HPG INDUSTRIES, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

PLANT SUMMARY

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 07/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	1755	1473	6	4	.41	66.7
Compressor	GAS	6	5	0	0	0	0
PRV	GAS	59	53	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	1755	1473	6	4	.41	66.7
Compressor	ALL	6	5	0	0	0	0
PRV	ALL	59	53	0	0	0	0
GRAND TOTAL		*1820	**1531	6	***4	.39	66.7

* 2 components were deleted from service and 1 component was added.

** 136 components were out of service this quarter and 3 components are previous shutdown items.

*** 1 component went on shutdown this quarter.

REPAIR DETAILS

QAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE	Repair Remarks
1702A	Valve	07-19-90	No repair attempted		SHUTDOWN ITEM
5301	Valve	08-03-90	08-20-90	11-30-90	TIGHTEN PACKING/SD ITEM
1882	Valve	08-03-90	08-03-90	08-03-90	TIGHTEN PACKING
6760	Valve	07-19-90	07-23-90	07-23-90	TIGHTEN PACKING
12445	Valve	07-20-90	07-29-90	07-29-90	TIGHTEN PACKING
13398	Valve	07-20-90	08-03-90	08-03-90	TIGHTEN PACKING
13398	Valve	07-20-90	07-25-90	08-03-90	TIGHTEN PACKING

Attachment III

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1. The first of the three items is a letter from the
author to the editor of the journal, dated 1954, in which
he states that he has been unable to find any other
reference to the work of the author.

2. The second item is a letter from the author to the
editor of the journal, dated 1955, in which he states
that he has been unable to find any other reference to
the work of the author.

3. The third item is a letter from the author to the
editor of the journal, dated 1956, in which he states
that he has been unable to find any other reference to
the work of the author.

4. The fourth item is a letter from the author to the
editor of the journal, dated 1957, in which he states
that he has been unable to find any other reference to
the work of the author.

Attachment IV

[illegible]

Attachment V

DARBONNE SERVICES INC.

APB INDUSTRIES, INC.
 P.O. BOX 1000
 LAKE CHARLES
 LOUISIANA 70602
 EDD #1

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 09/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	25	25	0	0	0	0
Compressor	GAS	2	2	0	0	0	0
PRV	GAS	4	4	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	25	25	0	0	0	0
Compressor	ALL	2	2	0	0	0	0
PRV	ALL	4	4	0	0	0	0
GRAND TOTAL		31	31	0	0	0	0

Attachment VI

HARDWARE SERVICES FAC.

THE INDUSTRIAL, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

EDC #2

EFFECTIVITY SUMMARY FOR THE PERIOD 07/01/90 THROUGH 08/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
SLV	3AS	50	13	1	0	1.5	0
SLV	3AS	1	1	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	66	53	1	0	1.5	0
PRV	ALL	1	1	0	0	0	0
Grand Total		67	54	1	0	1.5	0

The pressure shutdown alarm was monitored.

No problem item

REPAIR LISTING

TO	TYPE	TEST DATE	ATT. APP. DATE	ANT. REF. DATE
REPAIR LISTING				
10076	ALFA	07-19-90	No repair attempted	SHUTDOWN ITEM

Attachment VII

BARBONNE SERVICES INC.

RFG INDUSTRIES, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

VDCM

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 09/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	83	83	0	0	0	0
PRV	GAS	9	9	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	83	83	0	0	0	0
PRV	ALL	9	9	0	0	0	0
GRAND TOTAL		92	92	0	0	0	0

Attachment VIII

MARROWNE SERVICES INC.

RFG INDUSTRIES, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

TRI-ETHANE II

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 09/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	177	175	2	1	1.1	50
PRV	GAS	4	4	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	177	175	2	1	1.1	50
PRV	ALL	4	4	0	0	0	0
GRAND TOTAL		181	*179	2	**1	1.1	50

* One component was out of service and one is a previous shutdown item.

** One component went on shutdown this quarter.

REPAIR DETAILS

NO	TYPE	TEST DATE	ACT. REF. DATE	ANT. REF. DATE
Repair Remarks				
5381	Valve	08-03-90	08-10-90	11-30-91
	TIGHTEN PACKING/ED ITEM			
5382	Valve	08-03-90	08-03-90	08-03-90
	TIGHTEN PACKING			

Attachment IX

CARBONNE SERVICES INC.

PPG INDUSTRIES
 P.O. BOX 1000
 LAKE CHARLES
 LOUISIANA 70602
 ETHYL CHLORIDE

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 09/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	181	163	1	1	.61	100
PRV	GAS	3	2	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	181	163	1	1	.61	100
PRV	ALL	3	2	0	0	0	0
GRAND TOTAL		184	*165	1	1	.61	100

* 13 components are out of service.

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT. REF. DATE	ANT. REF. DATE	
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REMARKS

3750	Valve	07-19-90	07-23-90	07-23-90	
	TIGHTEN PACKING				

SL 025306

Attachment X

CARBONNE SERVICES INC.

RFG INDUSTRIES, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

RFG TRI

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 09/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	470	382	0	0	0	0
PRV	GAS	5	4	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	470	382	0	0	0	0
PRV	ALL	5	4	0	0	0	0
GRAND TOTAL		475	386	0	0	0	0

39 Components were out of service.

SL 025307

Attachment XI

MARBONNE SERVICES INC.

RPG INDUSTRIES, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

WASTE TREATMENT UNIT

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 09/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	237	211	0	0	0	0
Compressor	GAS	2	1	0	0	0	0
FRV	GAS	4	4	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	237	211	0	0	0	0
Compressor	ALL	2	1	0	0	0	0
FRV	ALL	4	4	0	0	0	0
GRAND TOTAL		243	216	0	0	0	0

17 components were out of service.

SL 025308

Attachment XII

DARBOIS SERVICES INC.

PPG INDUSTRIES, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

MTU CPC

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 09/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	118	0	0	0	0	0
PRV	GAS	2	0	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	118	0	0	0	0	0
PRV	ALL	2	0	0	0	0	0
GRAND TOTAL		120	0	0	0	0	0

* MTU CPC was out of service.

Attachment XIII

DARBOIS SERVICES INC.

PPG INDUSTRIES, INC
 P.O. BOX 1000
 LAKE CHARLES
 LOUISIANA 70602
 VCM 11

TEST ACTIVITY SUMMARY FOR THE PERIOD 07/01/90 through 09/30/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	398	369	2	2	.54	100
Compressor	GAS	2	2	0	0	0	0
PRV	GAS	27	25	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	398	369	2	2	.54	100
Compressor	ALL	2	2	0	0	0	0
PRV	ALL	27	25	0	0	0	0
GRAND TOTAL		*427	**396	2	2	.51	100

* 2 components were deleted from service and 1 component was added.

** 31 components were out of service this quarter.

REPAIR DETAILS

QAG	TYPE	TEST DATE	ATT.REF. DATE	ANT.REF. DATE
Repair Remarks				
12445	Valve	07-20-90	07-29-90	07-29-90
	TIGHTEN PACKING			
13398	Valve	07-20-90	08-03-90	08-03-90
	TIGHTEN PACKING			
13398	Valve	07-20-90	07-29-90	08-03-90
	TIGHTEN PACKING			