



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

January 31, 1992

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 10/01/91 through 12/31/91. The 0.44 percent of components leaking value once again demonstrates that the PPG Complex is at the "good performance level" for the quarter.

Attached for your review are the following tabulations and summaries for this 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

Also included in this report as Attachment XIV is a summary of monitoring of all inaccessible values which is performed annually.

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.

SL 025217

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

Respectfully,

Esther S. Liggio
Esther S. Liggio
Environmental Control Specialist

ESL/vk

Certified Mail/Return Receipt Requested

ATTACHMENT I

DARBONNE SERVICES, INC.
PPG INDUSTRIES, INC.
QUARTERLY REPORT
SUMMARY AND GOOD PERFORMANCE
For Period Ended 12/31/91

GOOD PERFORMANCE LEVEL

Number of Components Monitored:	7889		
Number of Components Leaking:	35	% of Components Leaking:	.44
Number of Components Repaired:	30	% of Components Repaired:	35.71

All monitoring of fugitive emissions has been performed as required by Section 21.21 of the Louisiana Air Quality Regulations.

PPG INDUSTRIES, INC.

DARBONNE SERVICES, INC.

Esther Liggio
Signature

Anthony R. Darbonne, Jr.
Signature

Environmental Control Specialist
Title

1-27-92
Date

January 29, 1992
Date

Darbonne Services Inc.

PPG INDUSTRIES. INC.
P.O. BOX 1000
LAKE CHARLES
LOUISIANA 70602
PLANT SUMMARY

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT			NUMBER OF COMPONENTS			PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	1468	1234	8	7	.63	87.5
Valve	LIGHT LIQ	6862	6034	11	10	.17	90.9
Valve	HEAVY LIQ.	12	10	0	0	0	0
Pump	LIGHT LIQ.	228	214	13	13	6.07	100
Compressor	GAS	5	4	0	0	0	0
PRV	GAS	47	38	0	0	0	0
PRV	LIGHT LIQ.	13	28	0	0	0	0
CV	LIGHT LIQ.	-	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	8342	7398	19	17	.25	89.47
Pump	ALL	228	214	13	13	6.07	100
Compressor	ALL	5	4	0	0	0	0
PRV	ALL	76	66	0	0	0	0
CV	ALL	4	4	0	0	0	0
GRAND TOTAL			8655	32	30	.4	93.75

* 59 COMPONENTS WERE ADDED THIS QUARTER AND 55 COMPONENTS WERE DELETED.

** 3 COMPONENTS ARE PREVIOUS SHUTDOWN ITEMS. 766 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

*** 2 COMPONENTS WENT ON SHUTDOWN THIS QUARTER.

REPAIR DETAILS
ATTACHMENT II, PAGE 2

TEST DATE	TYPE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SUC.	REMON.	READING=DATE	DATE REPAIR ANT.
4616	Valve							
11-11-91	10001	11-11-91	TIGHTENED PACKING		YES	3000	= 11-11-91	
4670	Valve							
11-11-91	10001	11-11-91	TIGHTENED PACKING		YES	3000	= 11-11-91	
4883	Pump							
11-12-91	10001	11-20-91	REPLACED PUMP SEAL		YES	0	= 11-21-91	
5293	Valve							
11-19-91	10001	< NO REPAIR ATTEMPTED >			CAN NOT ISOLATE			
6701	Pump							
11-12-91	10001	11-13-91	REPLACED SEAL		YES	0	= 11-14-91	
6763	Valve							
11-13-91	10001	11-13-91	TIGHTENED PACKING		YES	100	= 11-13-91	
7005	Pump							
11-13-91	10001	11-13-91	REPLACED PUMP SEAL		YES	0	= 11-22-91	
7191	Valve							
11-13-91	10001	< NO REPAIR ATTEMPTED >			SHUTDOWN FOR REPAIR			
7176	Pump							
11-13-91	10001	11-20-91	REPLACED PUMP SEAL		YES	0	= 11-21-91	
7169	Valve							
11-13-91	10001	11-13-91	TIGHTENED PACKING		NO	10001	= 11-13-91	11-25-91
		11-25-91	REPLACED VALVE		YES	0	= 12-02-91	
3	Valve							
11-13-91	10001	11-14-91	REPLACED VALVE		YES	0	= 11-14-91	
9621	Valve							
11-14-91	10001	11-18-91	REPLACED VALVE END FLUG		YES	0	= 11-20-91	
9730	Pump							
11-14-91	10001	11-18-91	REPLACED PUMP SEAL		YES	0	= 11-20-91	
9745	Pump							
11-14-91	10001	11-18-91	REPLACED PUMP SEAL		YES	0	= 11-20-91	
10019	Valve							
11-14-91	10001	11-20-91	TIGHTENED PACKING		NO	10001	= 11-20-91	11-21-91
		11-21-91	TIGHTENED PACKING		YES	200	= 11-21-91	
10142	Valve							
11-14-91	10001	11-19-91	REPLACED VALVE END PLUS		YES	0	= 11-20-91	
8661	Pump							
11-14-91	10001	11-15-91	REPLACED PUMP SEAL		YES	0	= 11-20-91	
8696	Valve							
11-14-91	10001	11-19-91	REPLACED VALVE END PLUS		YES	0	= 11-20-91	
9036	Pump							
11-14-91	10001	11-15-91	REPLACED PUMP SEAL		YES	1500	= 11-20-91	
9041	Valve							
11-14-91	10001	11-14-91	TIGHTENED PACKING		YES	4000	= 11-14-91	
9056H	Valve							
11-14-91	10001	11-14-91	TIGHTENED PACKING		YES	3000	= 11-14-91	
11806	Valve							
11-15-91	10001	11-22-91	REPLACED PACKING		YES	0	= 11-22-91	
9	Pump							
11-15-91	10001	11-19-91	ADJUSTED SEAL FLUSH		NO	10001	= 11-20-91	11-21-91
		11-21-91	REPLACED PUMP SEAL		YES	0	= 11-22-91	
12366	Pump							
10-05-91	L	10-09-91	REPLACED SEAL		YES	0	= 10-16-91	
12379	Pump							
11-15-91	10001	11-18-91	ADJUSTED SEAL FLUSH		NO	10001	= 11-18-91	11-19-91

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420	Pump					
11-15-91	10001	11-13-91	ADJUSTED SEAL FLUSH	YES	0	= 11-18-91
12445	Valve					
11-15-91	10001	11-20-91	TIGHTENED PACKING	YES	6000	= 11-20-91
12480	Valve					
11-15-91	10001	11-21-91	REPLACED PUMP SEAL	YES	100	= 11-22-91
12482	Valve					
11-15-91	10001	11-15-91	TIGHTENED PACKING	YES	500	= 11-15-91
12597	Valve					
11-15-91	10001	11-15-91	TIGHTENED PACKING	YES	0	= 11-15-91
13054	Pump					
11-18-91	10001	11-20-91	ADJUSTED SEAL FLUSH	YES	300	= 11-20-91
13283	Valve					
11-18-91	10001	11-20-91	TIGHTENED PACKING	YES	1000	= 11-20-91

ATTACHMENT III

12/31/91

APG INDUSTRIES, INC.
Quarterly Report
Listing of Items
Not Repaired Within 30 Days
For Period Ended 12/31/91

Page

Item	Location	Stream	Unit
27385	#1 Rx Ethylene	Ethylene	EDC #2
Valve			10/91
Date Leak Located: 04/25/90 Date Component Rechecked: Date Repair Completed: Reading on Recheck: Number of Days to Repair:			
Date Maintenance Attempted: 04/24/91 Date Repair Anticipated: 04/92 Reason for Repair Delay: Cannot Isolate			
4174	Ethylene Flow Control	EDC	EDC #2
Valve	Valve		10/91
Date Leak Located: 08/05/91 Date Component Rechecked: 12/18/91 Date Repair Completed: 10/01/91 Reading on Recheck: 0 Number of Days to Repair: 56			
Date Maintenance Attempted: 08/05/91, 10/01/91 Date Repair Anticipated: 04/92 Reason for Repair Delay: Cannot Isolate Major Overhaul			
3520	#2 Crude Tank	EDC	EDC #2
Valve			04/91
Date Leak Located: 08/05/91 Date Component Rechecked: 12/18/91 Date Repair Completed: 10/01/91 Reading on Recheck: 2000 Number of Days to Repair: 56			
Date Maintenance Attempted: 08/05/91, 10/01/91 Date Repair Anticipated: 10/91 Reason for Repair Delay: Cannot Isolate Major Overhaul			
4174	Product Manifold	EDC	EDC #1
Valve	Piping		04/91
Date Leak Located: 08/05/91 Date Component Rechecked: 12/18/91 Date Repair Completed: 10/01/91 Reading on Recheck: 0 Number of Days to Repair: 56			
Date Maintenance Attempted: 08/05/91, 10/01/91 Date Repair Anticipated: 10/91 Reason for Repair Delay: Cannot Isolate Major Overhaul			

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ATTACHMENT III

PAGE 2

Tag #\ Description	Location	Stream	Unit\ Last Unit Shutdown.
5563 VALVE	ETHYLENE SET	ETHYLENE	TRI-ETHANE II 11/11/91

Date Leak Located: 11/19/91 Date Component Rechecked:
 Date Repair Completed: Reading on Recheck:
 Number of Days to Repair:

Date Maintenance Attempted:
 Date Repair Anticipated: 01/12/92
 Reason for Repair Delay: SD Required for Repair

6117 VALVE	TOP #1 CRUDE EDC STORAGE	EDC	Tri-Ethane II 03/01/87
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Date Leak Located: 05/06/91 Date Component Rechecked:
 Date Repair Completed: Reading on Recheck:
 Number of Days to Repair:

Date Maintenance Attempted:
 Date Repair Anticipated: 03/02/92
 Reason for Repair Delay: SD Required for Repair/CNI

7091 VALVE	EC REACTOR COOLER PIPING	EC	ETHYL CHLORIDE 10/91
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Date Leak Located: 11/13/91 Date Component Rechecked:
 Date Repair Completed: Reading on Recheck:
 Number of Days to Repair:

Date Maintenance Attempted:
 Date Repair Anticipated: 10/92
 Reason for Repair Delay: SHUTDOWN FOR REPAIR

6892 valve	Secondary Stripper PCV	Vent EC	Ethyl Chloride 07/91
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Date Leak Located: 08/09/91 Date Component Rechecked: 10/16/91
 Date Repair Completed: 10/08/91 Reading on Recheck: 0
 Number of Days to Repair: 61

Date Maintenance Attempted: 08/09/91, 10/08/91
 Date Repair Anticipated: 06/92
 Reason for Repair Delay: Can Not Isolate

12524 Valve	ETHYLENE PCV	ETHYLENE	VCM II 7/90
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Date Leak Located: 05/10/91 Date Component Rechecked:
 Date Repair Completed: Reading on Recheck:
 Number of Days to Repair:

Date Maintenance Attempted: 05/23/91 & 06/21/91
 Date Repair Anticipated: 1/92
 Reason for Repair Delay: Requires Repacking or Replacement

ATTACHMENT IV

Date: 01/27/92

PPG INDUSTRIES, INC.

Page 1

Quarterly Report
Items Awaiting Turnaround For Repair
For Period Ended 12/31/91

Unit: EDC #2

Last Unit Shutdown: 10/15/91

Next Turnaround: 04/92

Tag #\

Description

Location

0729B

#1 Rx Ethylene

Valve in Gas Service

Unit: TRI-ETHANE II

Last Unit Shutdown: 03/87

Next Turnaround: 03/92

Tag #\

Description

Location

5117

TOP #1 CRUDE EDC STORAGE

VALVE IN GAS SERVICE

Unit: TRI ETHANE II

Last Unit Shutdown: 11/11/91

Next Turnaround: 01/12/92

Tag #\

Description

Location

5883

ETHYLENE JET

VALVE IN GAS SERVICE

Unit: ETHYL CHLORIDE

Last Unit Shutdown: 10/91

Next Turnaround: 10/92

Tag #\

Description

Location

7091

EC REACTOR COOLER PIPING

VALVE IN L. LIQUID SERVICE

Unit: VCM II

Last Unit Shutdown: 07/90

Next Turnaround: 01/92

Tag #\

Description

Location

12524

ETHYLENE PCV

VALVE IN GAS SERVICE

SL 025225

ATTACHMENT V, pag 1

Darbonne Services Inc.

PPG INDUSTRIES. INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

EDC #1

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	27	27	0	0	0	0
Valve	LIGHT LIQ.	596	391	2	2	.51	100
Valve	HEAVY LIQ.	2	1	0	0	0	0
Pump	LIGHT LIQ.	22	16	0	0	0	0
Compressor	GAS	2	2	0	0	0	0
PRV	GAS	4	3	0	0	0	0
PRV	LIGHT LIQ.	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	625	419	2	2	.47	100
Pump	ALL	22	16	0	0	0	0
Compressor	ALL	2	2	0	0	0	0
PRV	ALL	9	7	0	0	0	0
GRAND TOTAL		658	*444	2	2	.45	100

* 214 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

SL 025226

ATTACHMENT V, page 2

REPAIR DETAILS

TAG #	TYPE	TEST DATE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SUC.	REMON.	READING=DATE	DATE REPAIR ANT.
4616	Valve								
		11-11-91	10001	11-11-91	TIGHTENED PACKING	YES	3000	= 11-11-91	
4670	Valve								
		11-11-91	10001	11-11-91	TIGHTENED PACKING	YES	3000	= 11-11-91	

ATTACHMENT VI

Darbonne Services Inc.

PPG INDUSTRIES INC.
P.O. BOX 1000
LAKE CHARLES
LOUISIANA 70602
EDC #2

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	67	59	0	0	0	0
Valve	LIGHT LIQ.	290	274	0	0	0	0
Valve	HEAVY LIQ.	1	1	0	0	0	0
Pump	LIGHT LIQ.	12	12	0	0	0	0
PRV	GAS	1	1	0	0	0	0
PRV	LIGHT LIQ.	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	358	334	0	0	0	0
Pump	ALL	12	12	0	0	0	0
PRV	ALL	3	1	0	0	0	0
GRAND TOTAL		373	*347	0	0	0	0

* 1 COMPONENT IS A PREVIOUS SHUTDOWN ITEM AND 25 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

ATTACHMENT VII, page 1
Darbonne Services Inc.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	69	69	0	0	0	0
Valve	LIGHT LIQ.	676	676	0	0	0	0
Valve	HEAVY LIQ.	1	1	0	0	0	0
Pump	LIGHT LIQ.	28	28	1	1	3.57	100
PRV	LIGHT LIQ.	4	4	0	0	0	0
CV	LIGHT LIQ.	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	746	746	0	0	0	0
Pump	ALL	28	28	1	1	3.57	100
PRV	ALL	4	4	0	0	0	0
CV	ALL	4	4	0	0	0	0
GRAND TOTAL		* 782	782	1	1	.12	100

* 13 COMPONENTS WERE ADDED THIS QUARTER AND 2 COMPONENTS WERE DELETED.

ATTACHMENT VII, PAGE 2

REPAIR DETAILS

TEST DATE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SUC.	REMON.	READING=DATE	DATE REPAIR ANT.
11-12-91	10001	11-20-91	REPLACED PUMP SEAL	YES	0	= 11-21-91	

ATTACHMENT VIII, page 1

Darbonne Services Inc.

PPG INDUSTRIES, INC.
P.O. BOX 1000
LAKE CHARLES
LOUISIANA 70602
TRI-ETHANE II

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	175	174	1	0	.57	0
Valve	LIGHT LIQ	1063	1039	0	0	0	0
Valve	HEAVY LIQ.	1	1	0	0	0	0
Pump	LIGHT LIQ.	42	42	1	1	2.38	100
PRV	GAS	4	4	0	0	0	0
PRV	LIGHT LIQ.	2	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	1239	1214	1	0	.08	0
Pump	ALL	42	42	1	1	2.38	100
PRV	ALL	6	6	0	0	0	0
GRAND TOTAL		1287	*1262	2	**1	.15	50

* 1 COMPONENT IS A PREVIOUS SHUTDOWN ITEM AND 24 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

** 1 COMPONENT WENT ON SHUTDOWN THIS QUARTER.

ATTACHMENT VIII, PAGE 2

REPAIR DETAILS

TAG #	TYPE	TEST DATE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SUC.	REMON.	READING=DATE	DATE REPAIR ANT.
5883	Valve								
		11-19-91	10001		< NO REPAIR ATTEMPTED >				
5701	Pump								
		11-12-91	10001	11-13-91	REPLACED SEAL	YES	0	= 11-14-91	

ATTACHMENT IX, page 1

Darbonne Services Inc.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	161	143	1	1	.69	100
Valve	LIGHT LIQ.	376	372	2	1	.53	50
Valve	HEAVY LIQ.	3	3	0	0	0	0
Pump	LIGHT LIQ.	16	15	2	2	13.33	100
PRV	GAS	2	2	0	0	0	0
PRV	LIGHT LIQ.	2	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	540	518	3	2	.57	66.66
Pump	ALL	16	15	2	2	13.33	100
PRV	ALL	4	4	0	0	0	0
GRAND TOTAL		560	*537	5	**4	.93	80

* 23 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

** 1 COMPONENT WENT ON SHUTDOWN THIS QUARTER.

ATTACHMENT IX, PAGE 2
REPAIR DETAILS

AS #	TYPE	TEST DATE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SUC.	REMON.	READING=DATE	DATE REPAIR ANT.
6763	Valve	11-13-91	10001	11-13-91	TIGHTENED PACKING	YES	100	= 11-13-91	
7006	Pump	11-13-91	10001	11-13-91	REPLACED PUMP SEAL	YES	0	= 11-22-91	
7091	Valve	11-13-91	10001		< NO REPAIR ATTEMPTED >				
						SHUTDOWN FOR REPAIR			
7178	Pump	11-13-91	10001	11-20-91	REPLACED PUMP SEAL	YES	0	= 11-20-91	
7189	Valve	11-13-91	10001	11-13-91	TIGHTENED PACKING	NO	10001	= 11-13-91	11-25-91
				11-25-91	REPLACED VALVE	YES	0	= 12-02-91	

ATTACHMENT X, page 1
Performance Services Inc.

PPG INDUSTRIES, INC.
P.O. BOX 1000
LAKE CHARLES
LOUISIANA 70602
PER TRI

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	403	234	1	1	.42	100
Valve	LIGHT LIQ	2199	1952	6	6	.3	100
Valve	HEAVY LIQ.	1	1	0	0	0	0
Pump	LIGHT LIQ.	67	60	4	4	6.66	100
PRV	GAS	5	3	0	0	0	0
PRV	LIGHT LIQ.	6	5	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	2603	2187	7	7	.32	100
Pump	ALL	67	60	4	4	6.66	100
PRV	ALL	11	8	0	0	0	0
GRAND TOTAL		*2681	**2255	11	11	.48	100

* 17 COMPONENTS WERE ADDED THIS QUARTER AND 43 COMPONENTS WERE DELETED.

** 426 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

REPAIR DETAILS

ATTACHMENT X, PAGE 2

TEST #	TYPE	TEST DATE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SUC.	REMON.	READING=DATE	DATE REPAIR ANT.
5223	Valve	11-13-91	10001	11-14-91	REPLACED VALVE	YES	0	= 11-14-91	
5621	Valve	11-14-91	10001	11-19-91	REPLACED VALVE END PLUG	YES	0	= 11-20-91	
5730	Pump	11-14-91	10001	11-18-91	REPLACED PUMP SEAL	YES	0	= 11-20-91	
5745	Pump	11-14-91	10001	11-18-91	REPLACED PUMP SEAL	YES	0	= 11-20-91	
10019	Valve	11-14-91	10001	11-20-91	TIGHTENED PACKING	NO	10001	= 11-20-91	11-21-91
				11-21-91	TIGHTENED PACKING	YES	200	= 11-21-91	
10142	Valve	11-14-91	10001	11-19-91	REPLACED VALVE END PLUG	YES	0	= 11-20-91	
9661	Pump	11-14-91	10001	11-15-91	REPLACED PUMP SEAL	YES	0	= 11-20-91	
8696	Valve	11-14-91	10001	11-19-91	REPLACED VALVE END PLUG	YES	0	= 11-20-91	
9035	Pump	11-14-91	10001	11-15-91	REPLACED PUMP SEAL	YES	1500	= 11-20-91	
9041	Valve	11-14-91	10001	11-14-91	TIGHTENED PACKING	YES	4000	= 11-14-91	
9056H	Valve	11-14-91	10001	11-14-91	TIGHTENED PACKING	YES	3000	= 11-14-91	

~~ATTACHMENT XI~~
Darbonne Services Inc.

PPG INDUSTRIES, INC.
P.O. BOX 1000
LAKE CHARLES
LOUISIANA 70602
WASTE TREATMENT UNIT

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	52	52	0	0	0	0
Valve	LIGHT LIQ.	240	222	0	0	0	0
Valve	HEAVY LIQ.	1	0	0	0	0	0
Pump	LIGHT LIQ.	4	4	0	0	0	0
Compressor	GAS	1	1	0	0	0	0
PRV	LIGHT LIQ.	1	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	293	274	0	0	0	0
Pump	ALL	4	4	0	0	0	0
Compressor	ALL	1	1	0	0	0	0
PRV	ALL	1	0	0	0	0	0
GRAND TOTAL		*299	**279	0	0	0	0

* 3 COMPONENTS WERE ^{Deleted}ADDED THIS QUARTER.

** 20 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

PPG INDUSTRIES, INC.
P.O. BOX 1000
LAKE CHARLES
LOUISIANA 70602
WTU CPC

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	118	118	1	1	.84	100
Valve	LIGHT LIQ.	329	315	0	0	0	0
Valve	HEAVY LIQ.	1	1	0	0	0	0
Pump	LIGHT LIQ.	6	6	0	0	0	0
PRV	GAS	2	2	0	0	0	0
PRV	LIGHT LIQ.	5	5	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valv	ALL	448	434	1	1	.23	100
Pump	ALL	6	6	0	0	0	0
PRV	ALL	7	7	0	0	0	0
GRAND TOTAL		*461	**447	1	1	.22	100

* 22 COMPONENTS WERE ADDED THIS QUARTER AND 3 COMPONENTS WERE DELETED.

** 14 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

REPAIR DETAILS

ATTACHMENT XII, PAGE 2

TAG #	TYPE	TEST DATE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SUC.	REMON.	READING=DATE	DATE REPAIR ANT.
11806	Valve	11-15-91	10001	11-22-91	REPLACED PACKING	YES	0	= 11-22-91	

SL 025239

Darbonne Services Inc.

ATTACHMENT XIII
Page 1

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 10/01/91 through 12/31/91

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	396	378	4	4	1.05	100
Valve	LIGHT LIQ	1093	1093	1	1	.09	100
Valve	HEAVY LIQ.	1	1	0	0	0	0
Pump	LIGHT LIQ.	31	31	5	5	16.12	100
Compressor	GAS	2	1	0	0	0	0
PRV	GAS	25	23	0	0	0	0
PRV	LIGHT LIQ.	6	6	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	1490	1472	5	5	.33	100
Pump	ALL	31	31	5	5	16.12	100
Compressor	ALL	2	1	0	0	0	0
PRV	ALL	31	29	0	0	0	0
GRAND TOTAL		*1554	**1533	10	10	.65	100

* 2 COMPONENTS WERE ADDED THIS QUARTER AND 4 COMPONENTS WERE DELETED.

** 1 COMPONENT IS A SHUTDOWN ITEM AND 20 COMPONENTS WERE OUT OF SERVICE THIS QUARTER.

REPAIR DETAILS

ATTACHMENT XIII

PAGE 2

TAG #	TYPE	TEST DATE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SOL.	REASON	READING-DATE	DATE REPAIR ANT.
12359	Pump	11-15-91	10001	11-19-91	ADJUSTED SEAL FLUSH	NO	10001	= 11-20-91	11-21-91
				11-21-91	REPLACED PUMP SEAL	YES	0	= 11-22-91	
12366	Pump	10-05-91	L	10-09-91	REPLACED SEAL	YES	0	= 10-16-91	
12379	Pump	11-15-91	10001	11-18-91	ADJUSTED SEAL FLUSH	NO	10001	= 11-19-91	11-19-91
				11-19-91	REPLACED PUMP SEAL	YES	200	= 11-20-91	
12420	Pump	11-15-91	10001	11-18-91	ADJUSTED SEAL FLUSH	YES	0	= 11-19-91	
12445	Valve	11-15-91	10001	11-20-91	TIGHTENED PACKING	YES	8000	= 11-20-91	
12480	Valve	11-15-91	10001	11-21-91	REPLACED PUMP SEAL	YES	100	= 11-22-91	
12482	Valve	11-15-91	10001	11-15-91	TIGHTENED PACKING	YES	500	= 11-15-91	
12597	Valve	11-15-91	10001	11-15-91	TIGHTENED PACKING	YES	0	= 11-15-91	
13054	Pump	11-18-91	10001	11-20-91	ADJUSTED SEAL FLUSH	YES	300	= 11-20-91	
13283	Valve	11-19-91	10001	11-20-91	TIGHTENED PACKING	YES	1000	= 11-20-91	

SL 025241

ATTACHMENT XIV, PAGE 1

Garbino Services Inc

SEA INDUSTRIES, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70600

RFQ TO MONITOR SUMMARY

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/91 THROUGH 12/31/91

COMPONENT		NUMBER OF COMPONENTS		PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED
	AGE	340	818	1	0
	LIGHT LIG 1220	1215	0	0	0
	AGE	47	47	2	1
	LIGHT LIG.	7	7	0	0
	AGE	3	3	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS		PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED
WAVE	ALL	2060	2033	1	0
WV	ALL	34	34	2	1
WV	ALL	3	3	0	0
TOTAL		2097	2069	3	1

* 1072 COMPONENTS WERE ADDED THIS YEAR AND 1 COMPONENT WAS DELETED.

** 16 COMPONENTS WERE CHANGED TO NON-REQUIRED DUE TO BEING UNDER VACUUM) AND 11 COMPONENTS WERE OUT OF SERVICE.

*** 2 COMPONENTS WENT ON SHUT DOWN THIS YEAR.

REPAIR ACTIVITY ATTACHMENT XIV, PAGE 2

TEST DATE	STATUS	DATE REP.	REPAIR METHOD	REPAIR SUC.	REMON. READING-DATE	DATE REPAIR CNT.
11-11-81	10001	11-23-81	REBUILD	YES	300	11-18-82
11-21-81	10001		NO REPAIR ATTEMPTED	CAN NOT ISOLATE		
11-22-81	10001		NO REPAIR ATTEMPTED	CAN NOT ISOLATE		