



INDUSTRIES

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

April 10, 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 1/01/90 through 3/31/90.

Attached for your review are the following tabulations and summaries for this quarter. The 0.34 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

SL 025490

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

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DARBONNE SERVICES, INC.
PPG INDUSTRIES, INC.
QUARTERLY REPORT
SUMMARY AND GOOD PERFORMANCE
For Period Ended 03/31/90

Total Number of Components Monitored: 9563
Total Number of Components Leaking: 41
Total Number of Components Repaired: 39

GOOD PERFORMANCE LEVEL

Number of Valves Monitored:	9307		
Number of Valves Leaking:	32	% of Valves Leaking:	.34
Number of Valves Repaired:	30	% of Valves Repaired:	93.8

All monitoring of fugitive emissions has been performed as required by Section 11.21 of the Louisiana Air Quality Regulations.

PPG INDUSTRIES, INC.

DARBONNE SERVICES, INC.

Esther S. Liggio

Signature

Environmental Engineer

Title

3-7-90

Date

[Signature]

Signature

3-1-90

Date

CARBONNE SERVICES INC.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	1778	1753	5	5	.09	100
Valve	LIGHT LIQ.	7536	7462	26	25	.35	96.2
Pump	LIGHT LIQ.	251	250	9	9	3.6	100
Compressor	GAS	6	6	0	0	0	0
PRV	GAS	58	57	0	0	0	0
PRV	LIGHT LIQ.	33	33	0	0	0	0

SUMMARY BY COMPONENT TYPES

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	ALL	9314	9215	31	30	.34	96.8
Pump	ALL	251	250	9	9	3.6	100
Compressor	ALL	6	6	0	0	0	0
PRV	ALL	91	90	0	0	0	0
GRAND TOTAL		*9662	**9561	40	***39	.42	97.5

* 424 components were deleted from service and 37 were added.

** 100 components are out of service and 1 component is a previous shutdown item.

*** 1 component went on shutdown.

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE
	Repair Remarks			
3707E	Valve TIGHTEN PACKING	01-26-90	01-26-90	01-26-90
3709	Pump REPLACED PUMP SEAL	01-26-90	02-07-90	02-07-90
7922	Valve TIGHTEN PACKING	01-26-90	01-26-90	01-26-90
7945	Valve REPACKED VALVE PACKING	01-26-90	02-07-90	02-07-90
7945	Valve CLOSED VALVE	01-26-90	01-26-90	02-07-90
4340	Valve TIGHTEN PACKING	01-18-90	01-18-90	01-18-90
4612	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-23-90
4613	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-23-90
4654	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-23-90
4664	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-23-90
5520	Pump TIGHTEN SEAL	01-26-90	02-09-90	02-09-90
5606	Valve TIGHTEN PACKING	01-26-90	02-01-90	02-01-90
5832	Valve REPACKED VALVE PACKING	01-23-90	02-07-90	02-07-90
6832	Valve TIGHTEN PACKING	01-23-90	01-30-90	02-07-90
378	Valve TIGHTEN PACKING/SHUTDOWN ITEM	01-23-90	01-23-90	04-30-90
1657	Valve TIGHTEN PACKING	01-23-90	01-26-90	01-26-90
2833	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-26-90
3949	Pump REPLACED SEAL	01-23-90	01-26-90	01-26-90
7029	Pump REPLACED SEAL	01-23-90	01-26-90	01-26-90
7033	Pump REPLACED SEAL	01-23-90	01-30-90	01-30-90
7169	Pump REPLACED SEAL	01-23-90	01-30-90	01-30-90
8856	Pump TIGHTEN SEAL	01-18-90	01-19-90	01-19-90

10019	Valve	01-1-90	01-19-90	01-19-90
	TIGHTEN PACKING			
3474	Valve	01-19-90	01-22-90	01-22-90
	TIGHTEN PACKING			
531	Valve	01-19-90	01-22-90	01-22-90
	TIGHTEN PACKING			
3594	Valve	01-19-90	01-22-90	01-22-90
	TIGHTEN PACKING			
11574	Pump	01-23-90	01-23-90	01-23-90
	REPLACED SEAL			
11879	Valve	01-29-90	01-30-90	01-30-90
	REPLACED VALVE			
12346	Valve	01-30-90	02-09-90	02-09-90
	REPACKED VALVE PACKING			
12346	Valve	01-30-90	02-02-90	02-09-90
	TIGHTEN PACKING			
12445	Valve	01-30-90	02-12-90	02-12-90
	OVERHAULED			
12480	Valve	01-30-90	02-02-90	02-02-90
	TIGHTEN PACKING			
12567	Valve	01-30-90	02-09-90	02-09-90
	TIGHTEN VALVE CAP			
12567	Valve	01-30-90	02-01-90	02-09-90
	INSTALLED CAP			
12598	Valve	01-30-90	01-30-90	01-30-90
	TIGHTEN PACKING			
13062	Pump	01-30-90	02-01-90	02-01-90
	SWITCH PUMPS			
13105	Valve	01-30-90	01-30-90	01-30-90
	TIGHTEN PACKING			
13230	Valve	01-30-90	02-09-90	02-09-90
	REPACKED VALVE PACKING			
13230	Valve	01-30-90	02-02-90	02-09-90
	TIGHTEN PACKING			
13257	Valve	01-30-90	02-08-90	02-08-90
	REPACKED VALVE PACKING			
13257	Valve	01-30-90	02-02-90	02-08-90
	TIGHTEN PACKING			
13273	Valve	01-30-90	02-02-90	02-02-90
	TIGHTEN PACKING			
13283	Valve	01-30-90	02-02-90	02-02-90
	TIGHTEN PACKING			
13294	Valve	01-30-90	02-01-90	02-01-90
	TIGHTEN PACKING			
13294	Valve	01-30-90	01-30-90	02-01-90
	TIGHTEN PACKING			
13296	Valve	01-30-90	02-02-90	02-02-90
	TIGHTEN PACKING			
13307	Valve	01-30-90	02-01-90	02-01-90
	TIGHTEN PACKING			
13307	Valve	01-30-90	01-30-90	02-01-90
	TIGHTEN PACKING			
13369	Valve	01-30-90	02-01-90	02-01-90
	TIGHTEN PACKING			
13569	Valve	01-30-90	01-30-90	02-01-90
	TIGHTEN PACKING			

Date: 03/01/90

PPG INDUSTRIES, INC.
 Quarterly Report
 Listing of Items
 Not Repaired Within 15 Days
 For Period Ended 03/31/90

Page 1

Tag #\	Description	Location	Stream	Unit\	Last Unit Shutdown
	SB46 Valve	Secondary Stripper Feed FCV	EC		Ethyl Chloride 6/89
Date Leak Located:		01/23/90	Date Component Rechecked:		
Date Repair Completed:			Reading on Recheck:		
Number of Days to Repair:					
Date Maintenance Attempted:		01/23/90			
Date Repair Anticipated:		04/30/90			
Reason for Repair Delay:		Requires shutdown to repair			
*11745		SHIFT TANK PCV		WTU CPC	
CV		TOP DECK			
Date Leak Located:		12/20/89	Date Component Rechecked:		
Date Repair Completed:			Reading on Recheck:		
Number of Days to Repair:					
Date Maintenance Attempted:					
Date Repair Anticipated:		01/31/90			
Reason for Repair Delay:		Shutdown Required for Repair			

* Currently on Shutdown, due to be repaired within the next couple of weeks. Unit will be up again in June, 1990.

SL 025496

Date: 03/01/90

PPG INDUSTRIES, INC.
Quarterly Report
Items Awaiting Turnaround For Repair
For Period Ended 03/31/90

Page 1

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Unit: Ethyl Chloride	Last Unit Shutdown: 06/89
	Next Turnaround: 04/30/90
Tag #\	
<u>Description</u>	<u>Location</u>
6846	Secondary Stripper Feed FCV
Valve in Gas Service	
=====	
Unit: WTU CPC	Last Unit Shutdown:
	Next Turnaround: 01/31/90
Tag #\	
<u>Description</u>	<u>Location</u>
11945	Shift Tank PCV Top Deck
CV in Gas Service	
=====	

SL 025497

JARBONNE SERVICES INC.

PFG INDUSTRIES, INC.
P.O. BOX 1000
LAKE CHARLES
LOUISIANA 70602
EDC #1

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	25	25	0	0	0	0
Valve	LIGHT LIQ.	554	544	5	5	.91	100
Pump	LIGHT LIQ.	22	22	0	0	0	0
Compressor	GAS	2	2	0	0	0	0
FRV	GAS	4	4	0	0	0	0
FRV	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
Valve	ALL	579	569	5	5	.87	100
Pump	ALL	22	22	0	0	0	0
Compressor	ALL	2	2	0	0	0	0
FRV	ALL	9	9	0	0	0	0
GRAND TOTAL		612	*602	5	5	.83	100

* 10 components were out of service.

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE
	Repair Remarks			
4340	Valve TIGHTEN PACKING	01-18-90	01-18-90	01-18-90
4612	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-23-90
4613	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-23-90
4654	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-23-90
4664	Valve TIGHTEN PACKING	01-23-90	01-23-90	01-23-90

JARBOUNNE SERVICES INC.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	66	66	1	1	1.5	100
Valve	LIGHT LIQ.	279	279	2	2	.72	100
Pump	LIGHT LIQ.	12	12	1	1	8.3	100
PRV	GAS	1	1	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	345	345	3	3	.87	100
Pump	ALL	12	12	1	1	8.3	100
PRV	ALL	3	3	0	0	0	0
GRAND TOTAL		360	360	4	4	1.1	100

SL 025500

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REF.DATE	ANT.REP.DATE
	Repair Remarks			
17298	Valve	01-26-90	01-26-90	01-26-90
	TIGHTEN PACKING			
17779	Pump	01-26-90	02-07-90	02-07-90
	REPLACED PUMP SEAL			
1822	Valve	01-26-90	01-26-90	01-26-90
	TIGHTEN PACKING			
1945	Valve	01-26-90	02-07-90	02-07-90
	REPACKED VALVE PACKING			
2945	Valve	01-26-90	01-26-90	02-07-90
	CLOSED VALVE			

DARBONNE SERVICES INC.

PPG INDUSTRIES, INC.

P.O. BOX 1000

LAKE CHARLES

LOUISIANA 70602

VDCM

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	83	83	0	0	0	0
Valve	LIGHT LIQ.	700	700	0	0	0	0
Pump	LIGHT LIQ.	28	28	0	0	0	0
PRV	GAS	9	9	0	0	0	0
PRV	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	783	783	0	0	0	0
Pump	ALL	28	28	0	0	0	0
PRV	ALL	13	13	0	0	0	0
GRAND TOTAL		824	824	0	0	0	0

CARBONNE SERVICES INC.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	175	171	0	0	0	0
Valve	LIGHT LIQ	1008	1007	1	1	.09	100
Pump	LIGHT LIQ.	42	42	1	1	2.4	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	1183	1178	1	1	.08	100
Pump	ALL	42	42	1	1	2.4	100
PRV	ALL	6	6	0	0	0	0
GRAND TOTAL		1231	*1226	2	2	.16	100

* 5 components were out of service.

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE
	Repair Remarks			
6520	Pump	01-26-90	02-09-90	02-09-90
	TIGHTEN SEAL			
6606	Valve	01-26-90	02-01-90	02-01-90
	TIGHTEN PACKING			

SL 025504

DARBONNE SERVICES INC.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	181	163	1	1	.61	100
Valve	LIGHT LIQ.	374	374	2	1	.53	50
Pump	LIGHT LIQ.	15	15	4	4	26.7	100
PRV	GAS	3	2	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	555	537	3	2	.55	66.7
Pump	ALL	15	15	4	4	26.7	100
PRV	ALL	9	8	0	0	0	0
GRAND TOTAL		579	*560	7	**6	1.3	85.7

* 19 components were out of service.

** 1 component went on shutdown.

SL 025505

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE
Repair Remarks				
6832	Valve	01-23-90	02-07-90	02-07-90
	REPACKED VALVE PACKING			
6832	Valve	01-23-90	01-30-90	02-07-90
	TIGHTEN PACKING			
6846	Valve	01-23-90	01-23-90	04-30-90
	TIGHTEN PACKING/SHUTDOWN ITEM			
6853	Valve	01-23-90	01-26-90	01-26-90
	TIGHTEN PACKING			
6853	Valve	01-23-90	01-23-90	01-26-90
	TIGHTEN PACKING			
6943	Pump	01-23-90	01-26-90	01-26-90
	REPLACED SEAL			
7029	Pump	01-23-90	01-26-90	01-26-90
	REPLACED SEAL			
7053	Pump	01-23-90	01-30-90	01-30-90
	REPLACED SEAL			
7169	Pump	01-23-90	01-30-90	01-30-90
	REPLACED SEAL			

SL 025506

DARBONNE SERVICES INC.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	476	476	0	0	0	0
Valve	LIGHT LIQ	2258	2211	4	4	.18	100
Pump	LIGHT LIQ.	64	63	1	1	1.6	100
PRV	GAS	5	5	0	0	0	0
PRV	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	2734	2687	4	4	.15	100
Pump	ALL	64	63	1	1	1.6	100
PRV	ALL	9	9	0	0	0	0
GRAND TOTAL		2807	2759	5	5	.18	100

* 48 components were out of service.

SL 025507

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE
9358	Pump TIGHTEN SEAL	01-18-90	01-19-90	01-19-90
10019	Valve TIGHTEN PACKING	01-18-90	01-19-90	01-19-90
8474	Valve TIGHTEN PACKING	01-19-90	01-22-90	01-22-90
8531	Valve TIGHTEN PACKING	01-19-90	01-22-90	01-22-90
9594	Valve TIGHTEN PACKING	01-19-90	01-22-90	01-22-90

JARBONNE SERVICES INC.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	248	246	0	0	0	0
Valve	LIGHT LIQ.	847	831	0	0	0	0
Pump	LIGHT LIQ.	27	27	1	1	3.7	100
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	1095	1077	0	0	0	0
Pump	ALL	27	27	1	1	3.7	100
Compressor	ALL	2	2	0	0	0	0
PRV	ALL	4	4	0	0	0	0
GRAND TOTAL		1128	*1110	1	1	.09	100

* 18 components were out of service

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE
11574	Pump REPLACED SEAL	01-23-90	01-23-90	01-23-90

DARBONNE SERVICES INC.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	117	117	0	0	0	0
Valve	LIGHT LIQ.	361	361	1	1	.28	100
Pump	LIGHT LIQ.	10	10	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
Valve	ALL	478	478	1	1	.21	100
Pump	ALL	10	10	0	0	0	0
PRV	ALL	7	7	0	0	0	0
GRAND TOTAL		495	495	1	1	.20	100

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE
11899	Valve	01-29-90	01-30-90	01-30-90
REPLACED VALVE				

DARBONNE SERVICES INC.

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

TEST ACTIVITY SUMMARY FOR THE PERIOD 01/01/90 through 03/31/90

COMPONENT		NUMBER OF COMPONENTS				PERCENT	
TYPE	SERVICE	IN UNIT	TESTED	LEAKING	REPAIRED	LEAKING	REPAIRED
Valve	GAS	407	407	3	3	.74	100
Valve	LIGHT LIQ	1155	1155	11	11	.95	100
Pump	LIGHT LIQ.	31	31	1	1	3.2	100
Compressor	GAS	2	2	0	0	0	0
PRV	GAS	26	26	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
Valve	ALL	1562	1562	14	14	.89	100
Pump	ALL	31	31	1	1	3.2	100
Compressor	ALL	2	2	0	0	0	0
PRV	ALL	31	31	0	0	0	0
GRAND TOTAL		1626	1626	15	15	.92	100

REPAIR DETAILS

TAG	TYPE	TEST DATE	ATT.REP.DATE	ANT.REP.DATE
12346	Valve	01-30-90	02-09-90	02-09-90
	REPACKED VALVE PACKING			
12346	Valve	01-30-90	02-02-90	02-09-90
	TIGHTEN PACKING			
12445	Valve	01-30-90	02-12-90	02-12-90
	OVERHAULED			
12480	Valve	01-30-90	02-02-90	02-02-90
	TIGHTEN PACKING			
12567	Valve	01-30-90	02-09-90	02-09-90
	TIGHTEN VALVE CAP			
12567	Valve	01-30-90	02-01-90	02-09-90
	INSTALLED CAP			
12598	Valve	01-30-90	01-30-90	01-30-90
	TIGHTEN PACKING			
13062	Pump	01-30-90	02-01-90	02-01-90
	SWITCH PUMPS			
13105	Valve	01-30-90	01-30-90	01-30-90
	TIGHTEN PACKING			
13230	Valve	01-30-90	02-09-90	02-09-90
	REPACKED VALVE PACKING			
13230	Valve	01-30-90	02-02-90	02-09-90
	TIGHTEN PACKING			
13257	Valve	01-30-90	02-08-90	02-08-90
	REPACKED VALVE PACKING			
13257	Valve	01-30-90	02-02-90	02-08-90
	TIGHTEN PACKING			
13270	Valve	01-30-90	02-02-90	02-02-90
	TIGHTEN PACKING			
13283	Valve	01-30-90	02-02-90	02-02-90
	TIGHTEN PACKING			
13294	Valve	01-30-90	02-01-90	02-01-90
	TIGHTEN PACKING			
13294	Valve	01-30-90	01-30-90	02-01-90
	TIGHTEN PACKING			
13296	Valve	01-30-90	02-02-90	02-02-90
	TIGHTEN PACKING			
13307	Valve	01-30-90	02-01-90	02-01-90
	TIGHTEN PACKING			
13307	Valve	01-30-90	01-30-90	02-01-90
	TIGHTEN PACKING			
13569	Valve	01-30-90	02-01-90	02-01-90
	TIGHTEN PACKING			
13569	Valve	01-30-90	01-30-90	02-01-90
	TIGHTEN PACKING			