42-045-00070

Monroe Energy

Monroe Energy, LLC
Trainer Refinery
4101 Post Road
Trainer, PA 19061
(610) 364-8000

January 8, 2018,

Mr. James Rebarchak
Regional Manager - Air Quality
Commonwealth of Pennsylvania
Pennsylvania Depart of Environmental Protection
2 East Main St.
Norristown, PA 19401

RECEIVED
JAN 29 2018
Air Protection Division

RE: MONROE ENERGY TRAINER REFINERY 2017 SEMI ANNUAL LDAR REPORTS

Dear Mr. Rebarchak:

As required by Title 40, Part 60 Monroe Energy Trainer Refinery hereby submits the following Semi-Annual LDAR Reports for the time period July 1, 2017 through January 31, 2017.

1. NSPS LDAR Report, per 40 CFR §60.480, Subpart VV/GGG:

   - Compliance Monitoring Summary
   - Compliance Repair Delay List
   - Repair Delayed History – Components Repaired During Reporting Period
   - Summary of Components Added and Deleted During Reporting Period

2. REFINERY MACT (RMACT HAP Units) LDAR Report, per 40 CFR, Part 63, Subpart CC:

   - Compliance Monitoring Summary
   - Compliance Repair Delay List
   - Repair Delayed History – Components Repaired During Reporting Period.
   - Summary of Components Added and Deleted During Reporting Period.

3. GGGa LDAR Report, per 40 CFR §60.590a, Subpart VVa/GGGa:

   - Compliance Monitoring Summary
   - Compliance Repair Delay List
   - Repair Delayed History – Components Repaired During Reporting Period.
   - Summary of Components Added and Deleted During Reporting Period.

As required by the Consent Decree H-05-0258, paragraph 236, Monroe Energy is hereby notifying you that the report leak rates contained herein for valves and pumps are the applicable regulatory leak definitions in Title 40 CFR, 60.482. In addition to the aforementioned Consent Decree, all valves with a leak rate of over 10,000 ppm that required a Drill and Tap were successfully repaired to a leak rate less than 500 ppm and were not placed on Delay of Repair list.

Subject to the penalties of Title 18 Pa. C.S. Section 4904 and 35 P.S. Section 4009 (b) (2), I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this form are true, accurate, and complete.

Should you have any questions or comments regarding this report, please contact Stephani Ski Szymanski, Environmental Engineer and Program Lead, at (610) 364-8073.

Sincerely,

Jeffrey K. Warmann
CEO and President

Enclosures (1)

Cc: Ms. Zelma Maldonado
Associate Director,
Office of Air Enforcement,
Compliance and Assistance
USEPA Region III
Air Protection Division
3AP20
1650 Arch Street
Philadelphia, Pa 19103-1129

MONROE ENERGY TRAINER REFINERY

NSPS EPA VV/GGG LDAR SEMI ANNUAL REPORT

SUMMARY

REPORT DATE: JANUARY 8, 2018

REPORT PERIOD: JULY 1, 2017 THROUGH JANUARY 31, 2017

UNIT	CLASS	MONTH	MONITORED	LEAKED	LATE REPAIR
543 CRUDE					
	PUMP	7	4	0	0
	PUMP	8	4	0	0
	PUMP	9	4	0	0
	PUMP	10	4	0	0
	PUMP	11	4	0	0
	PUMP	12	4	0	0
	RELIEF	8	8	0	0
	RELIEF	11	8	0	0
	VALVE	7	6	0	0
	VALVE	8	1,074	1	0
	VALVE	9	3	0	0
	VALVE	10	3	0	0
	VALVE	11	1,114	0	0
	VALVE	12	16	0	0
			2,256	**1**	**0**
544 CRUDE					
	PUMP	7	15	0	0
	PUMP	8	15	0	0
	PUMP	9	15	0	0
	PUMP	10	15	0	0
	PUMP	11	15	0	0
	PUMP	12	15	0	0
	RELIEF	8	8	0	0
	RELIEF	11	9	0	0
	VALVE	7	4	0	0
	VALVE	8	1,171	0	0
	VALVE	9	5	0	0
	VALVE	10	5	0	0
	VALVE	11	1,197	0	0
	VALVE	12	1	0	0
			2,490	**0**	**0**
544 VACUUM					
	PUMP	7	2	0	0
	PUMP	8	2	0	0

	PUMP	9	2	0	0
	PUMP	10	2	0	0
	PUMP	11	2	0	0
	PUMP	12	2	0	0
	RELIEF	8	7	0	0
	RELIEF	11	7	0	0
	VALVE	7	1	0	0
	VALVE	8	403	0	0
	VALVE	11	405	0	0
	VALVE	12	1	0	0
			836	**0**	**0**
ALKY					
	PUMP	7	27	0	0
	PUMP	8	27	0	0
	PUMP	9	27	1	0
	PUMP	10	27	0	0
	PUMP	11	27	0	0
	PUMP	12	27	0	0
	RELIEF	8	39	0	0
	RELIEF	11	39	0	0
	VALVE	7	10	0	0
	VALVE	8	3,392	0	0
	VALVE	9	5	0	0
	VALVE	10	4	0	0
	VALVE	11	3,434	2	0
	VALVE	12	6	0	0
			7,091	**3**	**0**
AMINE					
	PUMP	7	2	0	0
	PUMP	8	2	0	0
	PUMP	9	2	0	0
	PUMP	10	2	0	0
	PUMP	11	2	0	0
	PUMP	12	2	0	0
	RELIEF	7	6	0	0
	RELIEF	10	6	0	0
	VALVE	7	360	0	0
	VALVE	10	360	0	0
			744	**0**	**0**
AWWTP					
	VALVE	7	140	0	0
	VALVE	10	140	0	0
			280	**0**	**0**

BLEND

PUMP	7	18	0	0
PUMP	8	18	0	0
PUMP	9	18	0	0
PUMP	10	18	0	0
PUMP	11	18	0	0
PUMP	12	18	0	0
RELIEF	7	19	0	0
RELIEF	10	19	0	0
VALVE	7	1,428	0	0
VALVE	10	1,437	0	0
VALVE	11	11	0	0
		3,022	**0**	**0**

BOILER

RELIEF	9	1	0	0
RELIEF	12	1	0	0
VALVE	9	76	0	0
VALVE	12	75	0	0
		153	**0**	**0**

BUTANE

RELIEF	8	7	0	0
RELIEF	11	7	0	0
VALVE	8	304	0	0
VALVE	11	304	0	0
		622	**0**	**0**

DESALT

PUMP	7	10	0	0
PUMP	8	10	0	0
PUMP	9	10	0	0
PUMP	10	10	0	0
PUMP	11	10	0	0
PUMP	12	10	0	0
RELIEF	7	12	0	0
RELIEF	10	12	0	0
VALVE	7	809	0	0
VALVE	9	6	0	0
VALVE	10	815	0	0
VALVE	11	8	0	0
		1,722	**0**	**0**

DIESEL

PUMP	7	11	0	0

PUMP	8	11	0	0
PUMP	9	13	0	0
PUMP	10	13	0	0
PUMP	11	13	0	0
PUMP	12	13	0	0
RELIEF	7	9	0	0
RELIEF	10	9	0	0
RELIEF	11	2	0	0
VALVE	7	784	0	0
VALVE	8	1	0	0
VALVE	9	5	0	0
VALVE	10	788	0	0
VALVE	11	21	0	0
VALVE	12	2	0	0
		1,695	**0**	**0**

FCC

PUMP	7	25	0	0
PUMP	8	25	0	0
PUMP	9	25	0	0
PUMP	10	25	0	0
PUMP	11	25	0	0
PUMP	12	25	0	0
RELIEF	7	1	0	0
RELIEF	8	33	0	0
RELIEF	9	1	0	0
RELIEF	10	1	0	0
RELIEF	11	34	0	0
RELIEF	12	1	0	0
VALVE	8	2,298	1	0
VALVE	9	1	0	0
VALVE	10	5	0	0
VALVE	11	2,317	0	0
VALVE	12	22	0	0
		4,864	**1**	**0**

FLARE

PUMP	7	3	0	0
PUMP	8	3	0	0
PUMP	9	3	0	0
PUMP	10	3	0	0
PUMP	11	3	0	0
PUMP	12	3	0	0
VALVE	9	222	0	0
VALVE	10	1	0	0
VALVE	11	6	0	0
VALVE	12	220	0	0

			467	**0**	**0**
ISOCRK					
	PUMP	7	18	0	0
	PUMP	8	18	0	0
	PUMP	9	18	0	0
	PUMP	10	18	0	0
	PUMP	11	18	0	0
	PUMP	12	18	0	0
	RELIEF	7	55	0	0
	RELIEF	10	56	0	0
	VALVE	7	3,126	2	0
	VALVE	8	12	0	0
	VALVE	9	9	0	0
	VALVE	10	3,132	0	0
	VALVE	11	4	0	0
	VALVE	12	3	0	0
			6,505	**2**	**0**
KERO					
	PUMP	7	9	0	0
	PUMP	8	9	0	0
	PUMP	9	9	0	0
	PUMP	10	9	0	0
	PUMP	11	9	0	0
	PUMP	12	9	0	0
	RELIEF	7	30	0	0
	RELIEF	10	30	0	0
	VALVE	7	1,526	0	0
	VALVE	8	1	0	0
	VALVE	10	1,525	1	0
	VALVE	11	25	0	0
	VALVE	12	3	0	0
			3,194	**1**	**0**
LOWLN					
	PUMP	7	6	0	0
	PUMP	8	6	0	0
	PUMP	9	6	0	0
	PUMP	10	6	0	0
	PUMP	11	6	0	0
	PUMP	12	6	0	0
	RELIEF	7	6	0	0
	RELIEF	10	6	0	0
	VALVE	7	576	0	0
	VALVE	10	576	0	0
	VALVE	11	6	0	0

			1,206	**0**	**0**
MARINE					
	PUMP	7	2	0	0
	PUMP	8	2	0	0
	PUMP	9	2	0	0
	PUMP	10	2	0	0
	PUMP	11	2	0	0
	PUMP	12	2	0	0
	RELIEF	8	10	0	0
	RELIEF	11	10	0	0
	VALVE	8	290	0	0
	VALVE	11	291	0	0
			613	**0**	**0**
NAPHTH					
	PUMP	7	16	0	0
	PUMP	8	16	0	0
	PUMP	9	16	0	0
	PUMP	10	16	0	0
	PUMP	11	16	0	0
	PUMP	12	16	0	0
	RELIEF	9	13	0	0
	RELIEF	12	13	1	0
	VALVE	7	3	0	0
	VALVE	8	3	0	0
	VALVE	9	1,507	2	0
	VALVE	10	12	0	0
	VALVE	11	11	0	0
	VALVE	12	1,518	0	0
			3,176	**3**	**0**
PLATFO					
	COMPR	7	1	0	0
	COMPR	8	1	0	0
	COMPR	9	1	0	0
	COMPR	10	1	0	0
	COMPR	11	1	0	0
	PUMP	7	10	0	0
	PUMP	8	10	0	0
	PUMP	9	10	0	0
	PUMP	10	10	0	0
	PUMP	11	10	0	0
	PUMP	12	10	0	0
	RELIEF	9	30	0	0
	RELIEF	12	30	0	0
	VALVE	7	12	0	0
	VALVE	8	9	0	0

	VALVE	9	2,201	0	0
	VALVE	10	8	0	0
	VALVE	11	5	0	0
	VALVE	12	2,199	1	0
			4,559	**1**	**0**
PRORCL					
	PUMP	7	1	0	0
	PUMP	8	1	0	0
	PUMP	9	1	0	0
	PUMP	10	1	0	0
	PUMP	11	1	0	0
	PUMP	12	1	0	0
	RELIEF	9	3	0	0
	RELIEF	12	3	0	0
	VALVE	9	331	0	0
	VALVE	12	331	0	0
			674	**0**	**0**
PROREC					
	RELIEF	8	12	0	0
	RELIEF	11	12	0	0
	VALVE	7	1	0	0
	VALVE	8	646	0	0
	VALVE	11	646	0	0
			1,317	**0**	**0**
PROSTO					
	PUMP	7	6	0	0
	PUMP	8	6	0	0
	PUMP	9	6	0	0
	PUMP	10	6	0	0
	PUMP	11	6	0	0
	PUMP	12	6	0	0
	RELIEF	7	20	0	0
	RELIEF	10	20	0	0
	VALVE	7	530	0	0
	VALVE	10	532	0	0
	VALVE	11	5	0	0
	VALVE	12	1	0	0
			1,144	**0**	**0**
REFORM					
	PUMP	7	8	0	0
	PUMP	8	8	0	0
	PUMP	9	8	0	0

PUMP	10	8	0	0
PUMP	11	8	0	0
PUMP	12	8	0	0
RELIEF	8	11	0	0
RELIEF	11	11	0	0
VALVE	8	827	0	0
VALVE	10	5	0	0
VALVE	11	827	0	0
		1,729	**0**	**0**

SOUR

RELIEF	7	1	0	0
RELIEF	8	2	0	0
RELIEF	9	1	0	0
RELIEF	10	1	0	0
RELIEF	11	2	0	0
VALVE	8	53	0	0
VALVE	11	53	0	0
		113	**0**	**0**

SOUTH TANK FARM

PUMP	7	24	0	0
PUMP	8	24	0	0
PUMP	9	24	0	0
PUMP	10	25	0	0
PUMP	11	25	0	0
PUMP	12	25	0	0
RELIEF	9	21	0	0
RELIEF	11	1	0	0
RELIEF	12	21	0	0
VALVE	7	5	0	0
VALVE	8	4	0	0
VALVE	9	2,599	1	0
VALVE	10	114	0	0
VALVE	11	55	0	0
VALVE	12	2,701	1	0
		5,668	**2**	**0**

SRU

RELIEF	7	3	0	0
RELIEF	10	3	0	0
VALVE	7	77	0	0
VALVE	10	77	0	0
		160	**0**	**0**

TAIL GAS

	RELIEF	7	3	0	0
	RELIEF	10	3	0	0
	VALVE	7	160	0	0
	VALVE	10	160	0	0
			326	**0**	**0**
TF					
	PUMP	7	10	0	0
	PUMP	8	10	0	0
	PUMP	9	10	0	0
	PUMP	10	10	0	0
	PUMP	11	10	0	0
	PUMP	12	10	0	0
	VALVE	7	2	0	0
	VALVE	9	832	0	0
	VALVE	10	3	0	0
	VALVE	11	16	0	0
	VALVE	12	832	0	0
			1,745	**0**	**0**
VACUUM					
	PUMP	7	2	0	0
	PUMP	8	2	0	0
	PUMP	9	2	0	0
	PUMP	10	2	0	0
	PUMP	11	2	0	0
	PUMP	12	2	0	0
	RELIEF	7	3	0	0
	RELIEF	10	3	0	0
	VALVE	7	498	0	0
	VALVE	10	498	0	0
	VALVE	11	1	0	0
			1,015	**0**	**0**
VGO					
	PUMP	7	1	0	0
	PUMP	8	1	0	0
	PUMP	9	1	0	0
	PUMP	10	1	0	0
	PUMP	11	1	0	0
	PUMP	12	1	0	0
	RELIEF	7	11	0	0
	RELIEF	10	11	0	0
	VALVE	7	620	0	0
	VALVE	8	2	0	0
	VALVE	9	2	0	0
	VALVE	10	625	0	0

VALVE	11	7	0	0
VALVE	12	3	0	0
		1,287	0	0
	TOTAL:	60,673	14	0

MONROE ENERGY TRAINER REFINERY
PLACED ON DELAY OF REPAIR
EPA VV/GGG REPORT
REPORT DATE: JANUARY 8, 2018
REPORT COMPLIANCE PERIOD: JULY 1, 2017 THROUGH JANUARY 31, 2017

UNIT	TAG	CLASS	PLACED ON DELAY
NAPTHA	9342	RELIEF	12/21/2017
			1

MONROE ENERGY TRAINER REFINERY
REMOVED FROM DELAY
EPA VV/GGG REPORT
REPORT DATE: JANUARY 8, 2018
REPORT COMPLIANCE PERIOD: JULY 1, 2017 THROUGH JANUARY 31, 2017

UNIT	TAG	CLASS	PLACED ON DELAY
PLATFO	10301	COMPRESSOR	11/06/2017
SOUR	4526	RELIEF	10/16/2017
			2

MONROE ENERGY TRAINER REPORT
GGGa SEMI ANNUAL LDAR REPORT
COMPONENTS ADDED AND DELETED
REPORT DATE: JANUARY 8, 2018
REPORT PERIOD: JULY 1 THROUGH JANUARY 31, 2017

UNIT	CLASS	ADDED	DELETED
543 CRUDE	CONNECTOR	1	0
543 CRUDE	PRESSURE RELIEF DEVICE	0	0
543 CRUDE	PUMP	0	0
543 CRUDE	VALVE	0	0
544 CRUDE	PRESSURE RELIEF DEVICE	0	0
544 CRUDE	PUMP	0	0
544 CRUDE	VALVE	0	0
544 VACUUM	PRESSURE RELIEF DEVICE	0	0
544 VACUUM	PUMP	0	0
544 VACUUM	VALVE	0	0
BOILER 14	VALVE	0	0
BOILERS 9 & 10	CONNECTOR	0	0
BOILERS 9 & 10	PRESSURE RELIEF DEVICE	0	0
BOILERS 9 & 10	VALVE	0	0
FLARE GAS RECOVERY	COMPRESSOR	5	1
FLARE GAS RECOVERY	PRESSURE RELIEF DEVICE	0	0
FLARE GAS RECOVERY	PUMP	0	0
FLARE GAS RECOVERY	VALVE	0	0
ULSG	COMPRESSOR	1	0
ULSG	PRESSURE RELIEF DEVICE	1	0
ULSG	PUMP	17	0
ULSG	VALVE	8	0
VGO	COMPRESSOR	2,199	1
VGO	CONNECTOR	0	0
VGO	PRESSURE RELIEF DEVICE	0	0
VGO	PUMP	0	0
VGO	VALVE	0	0
		4	0
	TOTAL:	2,236	2

MONROE ENERGY TRAINER REFINERY

NSPS RMACT HAP UNIT LDAR SEMI ANNUAL REPORT

SUMMARY

REPORT DATE: JANUARY 8, 2018

REPORT PERIOD: JULY 1, 2017 THROUGH JANUARY 31, 2017

UNIT	CLASS	MONTH	MONITORED	LEAKED	LATE REPAIR
543 CRUDE					
	PUMP	7	4	0	0
	PUMP	8	4	0	0
	PUMP	9	4	0	0
	PUMP	10	4	0	0
	PUMP	11	4	0	0
	PUMP	12	4	0	0
	RELIEF	8	8	0	0
	RELIEF	11	8	0	0
	VALVE	7	6	0	0
	VALVE	8	1,074	1	0
	VALVE	9	3	0	0
	VALVE	10	3	0	0
	VALVE	11	1,114	0	0
	VALVE	12	16	0	0
			2,256	**1**	**0**
544 CRUDE					
	PUMP	7	15	0	0
	PUMP	8	15	0	0
	PUMP	9	15	0	0
	PUMP	10	15	0	0
	PUMP	11	15	0	0
	PUMP	12	15	0	0
	RELIEF	8	8	0	0
	RELIEF	11	9	0	0
	VALVE	7	4	0	0
	VALVE	8	1,171	0	0
	VALVE	9	5	0	0
	VALVE	10	5	0	0
	VALVE	11	1,197	0	0
	VALVE	12	1	0	0
			2,490	**0**	**0**
544 VACUUM					
	PUMP	7	2	0	0
	PUMP	8	2	0	0

	PUMP	9	2	0	0
	PUMP	10	2	0	0
	PUMP	11	2	0	0
	PUMP	12	2	0	0
	RELIEF	8	7	0	0
	RELIEF	11	7	0	0
	VALVE	7	1	0	0
	VALVE	8	403	0	0
	VALVE	11	405	0	0
	VALVE	12	1	0	0
			836	**0**	**0**
ALKY					
	PUMP	7	27	0	0
	PUMP	8	27	0	0
	PUMP	9	27	1	0
	PUMP	10	27	0	0
	PUMP	11	27	0	0
	PUMP	12	27	0	0
	RELIEF	8	39	0	0
	RELIEF	11	39	0	0
	VALVE	7	10	0	0
	VALVE	8	3,392	0	0
	VALVE	9	5	0	0
	VALVE	10	4	0	0
	VALVE	11	3,434	2	0
	VALVE	12	6	0	0
			7,091	**3**	**0**
AMINE					
	PUMP	7	2	0	0
	PUMP	8	2	0	0
	PUMP	9	2	0	0
	PUMP	10	2	0	0
	PUMP	11	2	0	0
	PUMP	12	2	0	0
	RELIEF	7	6	0	0
	RELIEF	10	6	0	0
	VALVE	7	360	0	0
	VALVE	10	360	0	0
			744	**0**	**0**
AWWTP					
	VALVE	7	140	0	0
	VALVE	10	140	0	0
			280	**0**	**0**

BLEND

PUMP	7	18	0	0
PUMP	8	18	0	0
PUMP	9	18	0	0
PUMP	10	18	0	0
PUMP	11	18	0	0
PUMP	12	18	0	0
RELIEF	7	19	0	0
RELIEF	10	19	0	0
VALVE	7	1,428	0	0
VALVE	10	1,437	0	0
VALVE	11	11	0	0
		3,022	**0**	**0**

BOILER

RELIEF	9	1	0	0
RELIEF	12	1	0	0
VALVE	9	76	0	0
VALVE	12	75	0	0
		153	**0**	**0**

BUTANE

RELIEF	8	7	0	0
RELIEF	11	7	0	0
VALVE	8	304	0	0
VALVE	11	304	0	0
		622	**0**	**0**

DESALT

PUMP	7	10	0	0
PUMP	8	10	0	0
PUMP	9	10	0	0
PUMP	10	10	0	0
PUMP	11	10	0	0
PUMP	12	10	0	0
RELIEF	7	12	0	0
RELIEF	10	12	0	0
VALVE	7	809	0	0
VALVE	9	6	0	0
VALVE	10	815	0	0
VALVE	11	8	0	0
		1,722	**0**	**0**

DIESEL

PUMP	7	11	0	0

PUMP	8	11	0	0
PUMP	9	13	0	0
PUMP	10	13	0	0
PUMP	11	13	0	0
PUMP	12	13	0	0
RELIEF	7	9	0	0
RELIEF	10	9	0	0
RELIEF	11	2	0	0
VALVE	7	784	0	0
VALVE	8	1	0	0
VALVE	9	5	0	0
VALVE	10	788	0	0
VALVE	11	21	0	0
VALVE	12	2	0	0
		1,695	**0**	**0**

FCC

PUMP	7	25	0	0
PUMP	8	25	0	0
PUMP	9	25	0	0
PUMP	10	25	0	0
PUMP	11	25	0	0
PUMP	12	25	0	0
RELIEF	7	1	0	0
RELIEF	8	33	0	0
RELIEF	9	1	0	0
RELIEF	10	1	0	0
RELIEF	11	34	0	0
RELIEF	12	1	0	0
VALVE	8	2,298	1	0
VALVE	9	1	0	0
VALVE	10	5	0	0
VALVE	11	2,317	0	0
VALVE	12	22	0	0
		4,864	**1**	**0**

FLARE

PUMP	7	3	0	0
PUMP	8	3	0	0
PUMP	9	3	0	0
PUMP	10	3	0	0
PUMP	11	3	0	0
PUMP	12	3	0	0
VALVE	9	222	0	0
VALVE	10	1	0	0
VALVE	11	6	0	0
VALVE	12	220	0	0

		467	0	0
ISOCRK				
PUMP	7	18	0	0
PUMP	8	18	0	0
PUMP	9	18	0	0
PUMP	10	18	0	0
PUMP	11	18	0	0
PUMP	12	18	0	0
RELIEF	7	55	0	0
RELIEF	10	56	0	0
VALVE	7	3,126	2	0
VALVE	8	12	0	0
VALVE	9	9	0	0
VALVE	10	3,132	0	0
VALVE	11	4	0	0
VALVE	12	3	0	0
		6,505	2	0
KERO/HCN				
PUMP	7	9	0	0
PUMP	8	9	0	0
PUMP	9	9	0	0
PUMP	10	9	0	0
PUMP	11	9	0	0
PUMP	12	9	0	0
RELIEF	7	30	0	0
RELIEF	10	30	0	0
VALVE	7	1,526	0	0
VALVE	8	1	0	0
VALVE	10	1,525	1	0
VALVE	11	25	0	0
VALVE	12	3	0	0
		3,194	1	0
LOWLN				
PUMP	7	6	0	0
PUMP	8	6	0	0
PUMP	9	6	0	0
PUMP	10	6	0	0
PUMP	11	6	0	0
PUMP	12	6	0	0
RELIEF	7	6	0	0
RELIEF	10	6	0	0
VALVE	7	576	0	0
VALVE	10	576	0	0
VALVE	11	6	0	0

			1,206	0	0
MARINE					
	PUMP	7	2	0	0
	PUMP	8	2	0	0
	PUMP	9	2	0	0
	PUMP	10	2	0	0
	PUMP	11	2	0	0
	PUMP	12	2	0	0
	RELIEF	8	10	0	0
	RELIEF	11	10	0	0
	VALVE	8	290	0	0
	VALVE	11	291	0	0
			613	0	0
NAPHTH					
	PUMP	7	16	0	0
	PUMP	8	16	0	0
	PUMP	9	16	0	0
	PUMP	10	16	0	0
	PUMP	11	16	0	0
	PUMP	12	16	0	0
	RELIEF	9	13	0	0
	RELIEF	12	13	1	0
	VALVE	7	3	0	0
	VALVE	8	3	0	0
	VALVE	9	1,507	2	0
	VALVE	10	12	0	0
	VALVE	11	11	0	0
	VALVE	12	1,518	0	0
			3,176	3	0
PLATFO					
	COMPR	7	1	0	0
	COMPR	8	1	0	0
	COMPR	9	1	0	0
	COMPR	10	1	0	0
	COMPR	11	1	0	0
	PUMP	7	10	0	0
	PUMP	8	10	0	0
	PUMP	9	10	0	0
	PUMP	10	10	0	0
	PUMP	11	10	0	0
	PUMP	12	10	0	0
	RELIEF	9	30	0	0
	RELIEF	12	30	0	0
	VALVE	7	12	0	0
	VALVE	8	9	0	0

	VALVE	9	2,201	0	0
	VALVE	10	8	0	0
	VALVE	11	5	0	0
	VALVE	12	2,199	1	0
			4,559	**1**	**0**
PRORCL					
	PUMP	7	1	0	0
	PUMP	8	1	0	0
	PUMP	9	1	0	0
	PUMP	10	1	0	0
	PUMP	11	1	0	0
	PUMP	12	1	0	0
	RELIEF	9	3	0	0
	RELIEF	12	3	0	0
	VALVE	9	331	0	0
	VALVE	12	331	0	0
			674	**0**	**0**
PROREC					
	RELIEF	8	12	0	0
	RELIEF	11	12	0	0
	VALVE	7	1	0	0
	VALVE	8	646	0	0
	VALVE	11	646	0	0
			1,317	**0**	**0**
PROSTO					
	PUMP	7	6	0	0
	PUMP	8	6	0	0
	PUMP	9	6	0	0
	PUMP	10	6	0	0
	PUMP	11	6	0	0
	PUMP	12	6	0	0
	RELIEF	7	20	0	0
	RELIEF	10	20	0	0
	VALVE	7	530	0	0
	VALVE	10	532	0	0
	VALVE	11	5	0	0
	VALVE	12	1	0	0
			1,144	**0**	**0**
REFORM					
	PUMP	7	8	0	0
	PUMP	8	8	0	0
	PUMP	9	8	0	0

PUMP	10	8	0	0
PUMP	11	8	0	0
PUMP	12	8	0	0
RELIEF	8	11	0	0
RELIEF	11	11	0	0
VALVE	8	827	0	0
VALVE	10	5	0	0
VALVE	11	827	0	0
		1,729	**0**	**0**

SOUR

RELIEF	7	1	0	0
RELIEF	8	2	0	0
RELIEF	9	1	0	0
RELIEF	10	1	0	0
RELIEF	11	2	0	0
VALVE	8	53	0	0
VALVE	11	53	0	0
		113	**0**	**0**

SOUTH TANK FARM

PUMP	7	24	0	0
PUMP	8	24	0	0
PUMP	9	24	0	0
PUMP	10	25	0	0
PUMP	11	25	0	0
PUMP	12	25	0	0
RELIEF	9	21	0	0
RELIEF	11	1	0	0
RELIEF	12	21	0	0
VALVE	7	5	0	0
VALVE	8	4	0	0
VALVE	9	2,599	1	0
VALVE	10	114	0	0
VALVE	11	55	0	0
VALVE	12	2,701	1	0
		5,668	**2**	**0**

SRU

RELIEF	7	3	0	0
RELIEF	10	3	0	0
VALVE	7	77	0	0
VALVE	10	77	0	0
		160	**0**	**0**

TAIL GAS

RELIEF	7	3	0	0
RELIEF	10	3	0	0
VALVE	7	160	0	0
VALVE	10	160	0	0
		326	**0**	**0**

TF

PUMP	7	10	0	0
PUMP	8	10	0	0
PUMP	9	10	0	0
PUMP	10	10	0	0
PUMP	11	10	0	0
PUMP	12	10	0	0
VALVE	7	2	0	0
VALVE	9	832	0	0
VALVE	10	3	0	0
VALVE	11	16	0	0
VALVE	12	832	0	0
		1,745	**0**	**0**

VACUUM

PUMP	7	2	0	0
PUMP	8	2	0	0
PUMP	9	2	0	0
PUMP	10	2	0	0
PUMP	11	2	0	0
PUMP	12	2	0	0
RELIEF	7	3	0	0
RELIEF	10	3	0	0
VALVE	7	498	0	0
VALVE	10	498	0	0
VALVE	11	1	0	0
		1,015	**0**	**0**

VGO

PUMP	7	1	0	0
PUMP	8	1	0	0
PUMP	9	1	0	0
PUMP	10	1	0	0
PUMP	11	1	0	0
PUMP	12	1	0	0
RELIEF	7	11	0	0
RELIEF	10	11	0	0
VALVE	7	620	0	0
VALVE	8	2	0	0
VALVE	9	2	0	0
VALVE	10	625	0	0

VALVE	11	7	0	0
VALVE	12	3	0	0
		1,287	0	0
	TOTAL:	53,422	14	0

MONROE ENERGY TRAINER REFINERY
PLACED ON DELAY OF REPAIR
RMACT HAP UNIT LDAR REPORT
REPORT DATE: JANUARY 8, 2018
REPORT COMPLIANCE PERIOD: JULY 1, 2017 THROUGH JANUARY 31, 2017

UNIT	TAG	CLASS	PLACED ON DELAY
NAPTHA	9342	RELIEF	12/21/2017
			1

MONROE ENERGY TRAINER REFINERY
REMOVED FROM DELAY
RMACT HAP UNIT LDAR REPORT
REPORT DATE: JANUARY 8, 2018
REPORT COMPLIANCE PERIOD: JULY 1, 2017 THROUGH JANUARY 31, 2017

UNIT	TAG	CLASS	PLACED ON DELAY
PLATFO	10301	COMPRESSOR	11/06/2017
SOUR	4526	RELIEF	10/16/2017
			2

MONROE ENERGY TRAINER REFINERY
ADDED AND DELETED
RMACT HAP UNIT LDAR REPORT
REPORT DATE: JANUARY 8, 2018
REPORT COMPLIANCE PERIOD: JULY 1, 2017 THROUGH JANUARY 31, 2017

UNIT	CLASS	ADDED	DELETED
543 CRUDE	PRESSURE RELIEF DEVICE	0	0
543 CRUDE	PUMP	0	0
543 CRUDE	VALVE	0	0
544 CRUDE	PRESSURE RELIEF DEVICE	0	0
544 CRUDE	PUMP	0	0
544 CRUDE	VALVE	0	0
544 VACUUM	PRESSURE RELIEF DEVICE	0	0
544 VACUUM	PUMP	0	0
544 VACUUM	VALVE	0	0
ALKY	CONNECTOR	0	0
ALKY	PRESSURE RELIEF DEVICE	0	0
ALKY	PUMP	0	0
ALKY	VALVE	0	0
AMINE	PRESSURE RELIEF DEVICE	0	0
AMINE	PUMP	0	0
AMINE	VALVE	0	0
AWWTP	VALVE	0	0
BLEND	CONNECTOR	0	0
BLEND	PRESSURE RELIEF DEVICE	0	0
BLEND	PUMP	0	0
BLEND	VALVE	10	3
BOILER	PRESSURE RELIEF DEVICE	0	0
BOILER	VALVE	0	0
BUTANE	PRESSURE RELIEF DEVICE	0	0
BUTANE	VALVE	0	0
CRUDE	CONNECTOR	0	0
CRUDE	PRESSURE RELIEF DEVICE	0	0
CRUDE	PUMP	0	0
CRUDE	VALVE	0	0
DESALT	CONNECTOR	0	0
DESALT	PRESSURE RELIEF DEVICE	0	0
DESALT	PUMP	0	0
DESALT	VALVE	6	0
DIESEL	COMPRESSOR	0	0
DIESEL	CONNECTOR	0	0
DIESEL	PRESSURE RELIEF DEVICE	0	0
DIESEL	PUMP	2	0
DIESEL	VALVE	4	0
FCC	COMPRESSOR	0	0
FCC	CONNECTOR	0	0
FCC	PRESSURE RELIEF DEVICE	0	0
FCC	PUMP	0	0
FCC	VALVE	4	1
FLARE	PUMP	0	0
FLARE	VALVE	1	0
ISOCRK	COMPRESSOR	0	0
ISOCRK	CONNECTOR	0	0
ISOCRK	PRESSURE RELIEF DEVICE	0	0

ISOCRK	PUMP	0	0
ISOCRK	VALVE	4	1
KERO/HCN	COMPRESSOR	0	0
KERO/HCN	CONNECTOR	0	0
KERO/HCN	PRESSURE RELIEF DEVICE	0	0
KERO/HCN	PUMP	0	0
KERO/HCN	VALVE	2	0
LOWLN	COMPRESSOR	0	0
LOWLN	CONNECTOR	0	0
LOWLN	PRESSURE RELIEF DEVICE	0	0
LOWLN	PUMP	0	0
LOWLN	VALVE	0	0
MARINE	COMPRESSOR	0	0
MARINE	CONNECTOR	0	0
MARINE	PRESSURE RELIEF DEVICE	0	0
MARINE	PUMP	0	0
MARINE	VALVE	0	0
NAPHTH	COMPRESSOR	0	0
NAPHTH	CONNECTOR	0	0
NAPHTH	PRESSURE RELIEF DEVICE	0	0
NAPHTH	PUMP	0	0
NAPHTH	VALVE	4	0
OYF	VALVE	0	0
PLATFO	COMPRESSOR	0	0
PLATFO	CONNECTOR	0	0
PLATFO	PRESSURE RELIEF DEVICE	0	0
PLATFO	PUMP	0	0
PLATFO	VALVE	3	2
PRORCL	CONNECTOR	0	0
PRORCL	PRESSURE RELIEF DEVICE	0	0
PRORCL	PUMP	0	0
PRORCL	VALVE	0	0
PROREC	CONNECTOR	0	0
PROREC	PRESSURE RELIEF DEVICE	0	0
PROREC	VALVE	0	0
PROSTO	CONNECTOR	0	0
PROSTO	PRESSURE RELIEF DEVICE	0	0
PROSTO	PUMP	0	0
PROSTO	VALVE	2	0
REFORM	CONNECTOR	0	0
REFORM	PRESSURE RELIEF DEVICE	0	0
REFORM	PUMP	0	0
REFORM	VALVE	0	0
SOUR	PRESSURE RELIEF DEVICE	0	0
SOUR	PUMP	0	0
SOUR	VALVE	0	0
SOUTH TANK FARM	COMPRESSOR	0	0
SOUTH TANK FARM	CONNECTOR	0	0
SOUTH TANK FARM	PRESSURE RELIEF DEVICE	0	0
SOUTH TANK FARM	PUMP	1	0
SOUTH TANK FARM	VALVE	41	3
SRU	COMPRESSOR	0	0
SRU	PRESSURE RELIEF DEVICE	0	0
SRU	VALVE	0	0
TAIL GAS	CONNECTOR	0	0

TAIL GAS	PRESSURE RELIEF DEVICE	0	0
TAIL GAS	VALVE	0	0
TF	CONNECTOR	0	0
TF	PRESSURE RELIEF DEVICE	0	0
TF	PUMP	0	0
TF	VALVE	0	0
VACUUM	CONNECTOR	0	0
VACUUM	PRESSURE RELIEF DEVICE	0	0
VACUUM	PUMP	0	0
VACUUM	VALVE	0	0
VGO	COMPRESSOR	0	0
VGO	CONNECTOR	0	0
VGO	PRESSURE RELIEF DEVICE	0	0
VGO	PUMP	0	0
VGO	VALVE	4	0
WGS	CONNECTOR	0	0
WGS	VALVE	0	0
	TOTAL:	88	10

MONROE ENERGY TRAINER REPORT
GGGa SEMI ANNUAL LDAR REPORT
SUMMARY
REPORT DATE: JANUARY 08, 2018
REPORT PERIOD: JULY 1, 2017 THROUGH DECEMBER 31, 2017

UNIT	CLASS	MONTH	MONITORED	LEAKED	LATE REPAIR
543 CRUDE					
	PUMP	7	4	0	0
	PUMP	8	4	0	0
	PUMP	9	4	0	0
	PUMP	10	4	0	0
	PUMP	11	4	0	0
	PUMP	12	4	0	0
	RELIEF	8	8	0	0
	RELIEF	11	8	0	0
	VALVE	7	6	0	0
	VALVE	8	1,074	3	0
	VALVE	9	3	0	0
	VALVE	10	3	0	0
	VALVE	11	1,114	1	0
	VALVE	12	16	0	0
			2,256	**4**	**0**
544 CRUDE					
	PUMP	7	15	0	0
	PUMP	8	15	0	0
	PUMP	9	15	0	0
	PUMP	10	15	0	0
	PUMP	11	15	0	0
	PUMP	12	15	0	0
	RELIEF	8	8	0	0
	RELIEF	11	9	0	0
	VALVE	7	4	0	0
	VALVE	8	1,171	5	0
	VALVE	9	5	0	0
	VALVE	10	5	0	0
	VALVE	11	1,197	1	0
	VALVE	12	1	0	0
			2,490	**6**	**0**
544 VACUUM					
	PUMP	7	2	0	0
	PUMP	8	2	0	0
	PUMP	9	2	0	0
	PUMP	10	2	0	0

	PUMP	11	2	0	0
	PUMP	12	2	0	0
	RELIEF	8	7	0	0
	RELIEF	11	7	0	0
	VALVE	7	1	0	0
	VALVE	8	403	0	0
	VALVE	11	405	1	0
	VALVE	12	1	0	0
			836	**1**	**0**
BOILER 14					
	VALVE	7	1	0	0
	VALVE	8	1	0	0
	VALVE	9	49	0	0
	VALVE	12	49	0	0
			100	**0**	**0**
BOILERS 9 & 10					
	RELIEF	9	4	0	0
	RELIEF	12	4	0	0
	VALVE	7	1	0	0
	VALVE	8	2	0	0
	VALVE	9	438	4	0
	VALVE	10	7	0	0
	VALVE	11	5	0	0
	VALVE	12	438	0	0
			899	**4**	**0**
FLARE GAS RECOVERY					
	PUMP	7	7	0	0
	PUMP	8	7	0	0
	PUMP	9	7	0	0
	PUMP	10	7	0	0
	PUMP	11	7	0	0
	PUMP	12	7	0	0
	RELIEF	9	20	0	0
	RELIEF	12	20	0	0
	VALVE	7	2	0	0
	VALVE	8	2	0	0
	VALVE	9	1,054	1	0
	VALVE	10	2	0	0
	VALVE	11	1	0	0
	VALVE	12	1,054	0	0
			2,197	**1**	**0**
ULSG					

PUMP	10	8	0	0
PUMP	11	8	0	0
PUMP	12	8	0	0
RELIEF	10	6	0	0
RELIEF	12	11	0	0
VALVE	10	2,154	3	0
VALVE	11	2,195	6	0
VALVE	12	2,157	2	0
		6,547	**11**	**0**

VGO

PUMP	7	1	0	0
PUMP	8	1	0	0
PUMP	9	1	0	0
PUMP	10	1	0	0
PUMP	11	1	0	0
PUMP	12	1	0	0
RELIEF	7	11	0	0
RELIEF	10	11	0	0
VALVE	7	620	2	0
VALVE	8	2	0	0
VALVE	9	2	0	0
VALVE	10	625	3	0
VALVE	11	7	0	0
VALVE	12	3	0	0
		1,287	**5**	**0**
	TOTAL	16,612	34	0

MONROE ENERGY TRAINER REPORT
GGGa SEMI ANNUAL LDAR REPORT
COMPONENTS ON DELAY OF REPAIR
REPORT DATE: JANUARY 8, 2018
REPORT PERIOD: JULY 1 THROUGH JANUARY 31, 2017

TAG	UNIT	CLASS	DATE PLACED ON DELAY
NO GGGa COMPONENTS PLACED ON DOR FOR REPORTING PERIOD			
		TOTAL:	0

MONROE ENERGY TRAINER REPORT
GGGa SEMI ANNUAL LDAR REPORT
COMPONENTS REMOVED FROM DELAY OF REPAIR
REPORT DATE: JANUARY 8, 2018
REPORT PERIOD: JULY 1 THROUGH JANUARY 31, 2017

TAG	UNIT	CLASS	DATE PLACED ON DELAY
IOVED FROM DOR FOR REPORTING PERIOD			
		TOTAL:	0

MONROE ENERGY TRAINER REPORT
GGGa SEMI ANNUAL LDAR REPORT
COMPONENTS ADDED AND DELETED
REPORT DATE: JANUARY 8, 2018
REPORT PERIOD: JULY 1 THROUGH JANUARY 31, 2017

UNIT	CLASS	ADDED	DELETED
543 CRUDE	CONNECTOR	1	0
543 CRUDE	PRESSURE RELIEF DEVICE	0	0
543 CRUDE	PUMP	0	0
543 CRUDE	VALVE	0	0
544 CRUDE	PRESSURE RELIEF DEVICE	0	0
544 CRUDE	PUMP	0	0
544 CRUDE	VALVE	0	0
544 VACUUM	PRESSURE RELIEF DEVICE	0	0
544 VACUUM	PUMP	0	0
544 VACUUM	VALVE	0	0
BOILER 14	VALVE	0	0
BOILERS 9 & 10	CONNECTOR	0	0
BOILERS 9 & 10	PRESSURE RELIEF DEVICE	0	0
BOILERS 9 & 10	VALVE	0	0
FLARE GAS RECOVERY	COMPRESSOR	5	1
FLARE GAS RECOVERY	PRESSURE RELIEF DEVICE	0	0
FLARE GAS RECOVERY	PUMP	0	0
FLARE GAS RECOVERY	VALVE	0	0
ULSG	COMPRESSOR	1	0
ULSG	PRESSURE RELIEF DEVICE	1	0
ULSG	PUMP	17	0
ULSG	VALVE	8	0
VGO	COMPRESSOR	2,199	1
VGO	CONNECTOR	0	0
VGO	PRESSURE RELIEF DEVICE	0	0
VGO	PUMP	0	0
VGO	VALVE	0	0
		4	0
	TOTAL:	2,236	2