Oneok Antelope

RECEIVED
US EPA REGION 6, TX
ASSOCIATE DIRECTOR
18 FEB -5 AM 9:00
COMPLIANCE ASSURANCE
& ENFORCEMENT DIV.

January 15, 2018

Oneok
605 Loomis Road
Weatherford, OK 73096

Attention: Klent Lasley

Re: Semi-annual Report
Facility: Antelope Hills
Reporting Period – From July/2017 to December/2017

Mr. Lasley,

Dexter Field Services, LP (Dexter) is pleased to submit this NSPS OOOOa semi-annual report. This report complies with the requirements of:

NSPS OOOOa

As part of your semi-annual report, please submit the following items provided by Dexter Field Services, LP:

1.) **Semi-annual Equipment Leak Report** – A summary of total monitored, leaked, not repaired in 15 days, and delay of repair items for each equipment category grouped by Process Unit.

2.) **Delay of Repair Report** – Lists each delay of repair component for the reporting period, the explanation for why repair was delayed, and current status. ***Please note, this report must be signed prior to submittal to the agency.***

3.) **Component-New Report** – A list of components added since the previous semi-annual report.

4.) **Component-RFS (Removed From Service) Report** – A list of components deleted since the previous semi-annual report.

5.) **Semi-annual-Details-No Detectable Emissions Report** – A list of components classified as "no detectable emission" components and associated monitoring for the report period. ***Please note, this report must be signed prior to submittal to the agency.***

5550 EASTEX FREEWAY, SUITE G • BEAUMONT, TEXAS • 77708 • PHONE 409.838.4800 • FAX 409.835.2328

The following items are included in Dexter Field Services, LP report package but do not need to be submitted with the semi-annual report. These items are for facility record purposes only, and are intended for report quality checking by the client.

1. **LDAR Program Comments Summary Report** – This report is designed to be used in tandem with the Semi-annual Equipment Leak Report to allow efficient quality checks by the client.

2. **Component-Count Totals by Regulation** (With or without chemical state) – A summary of total equipment by unit, equipment category, regulation, and monitor frequency. This report is used to quality check the total components monitored on the Semi-annual Equipment Leak Report and verify the statement contained in the LDAR Program Comments Summary Report.

Please note the following reports are the responsibility of the facility to provide and submit in addition to the reports provided by Dexter Field Services, LP:

1. Times and Duration of each unit shutdown during the reporting period.

2. Notification of skip period monitoring option.

No regulatory variances were reported at your facility during this semi-annual reporting period.

We appreciate your business and the opportunity to service your leak detection program. If you have any questions or comments, please call me at (281) 848-6200 or my mobile at (713) 820-0652.

Sincerely,
Dexter Field Services, LP

Teddy Andrews
Client Service Manager

Oneok - Antelope Hills

Semiannual Equipment Leak Report (Process Unit)

Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM
Proc Unit: CONDENSATE
Program: NSPS OOOOa

Citation	Compressor	July	August	September	October	November	December
	Phase Type: All						
N/A	Total Inspected	0	0	0	0	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Connector**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	0	0	0	808	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	0.00%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Press Relief Device**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	5	0	0	5	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Pump**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	1	1	1	1	1	1
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Valve**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	108	0	1	111	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0

Oneok - Antelope Hills

Semiannual Equipment Leak Report (Process Unit)

Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM
Proc Unit: CONDENSATE
Program: NSPS OOOOa

Unit Downtime Summary

Citation	Unit Down Start	Unit Down Stop

NOTES

Total Inspected = Total components monitored including delay of repair items and heavy liquid phase.
Total Leaks = Total number of leaks detected including by AVO methods.
Leak Percentage = Total Leaks divided by Total Inspected - Non-rolling Average.
Not Repaired = Leaks not repaired in required time period. Includes items placed on delay of repair.
Previous DOR Total = Number of DOR items prior to the monitoring event represented in the monthly column.
New DOR Total = Number of DOR items added during the monitoring event represented in the monthly column.

Oneok - Antelope Hills

Semiannual Equipment Leak Report (Process Unit)

Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM
Proc Unit: CRAWFORD INLET/COMP
Program: NSPS OOOOa

Citation	Compressor	July	August	September	October	November	December
	Phase Type: All						
N/A	Total Inspected	0	0	0	0	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Connector**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	10	0	0	1896	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	0.00%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Press Relief Device**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	12	0	0	12	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Pump**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	4	4	4	4	4	4
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Valve**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	501	3	1	508	3	3
N/A	Total Leaks	1	0	0	1	2	0
N/A	Leak Percent	0.20%	N/A	N/A	0.20%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0

Oneok - Antelope Hills

Semiannual Equipment Leak Report (Process Unit)

Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM
Proc Unit: CRAWFORD INLET/COMP
Program: NSPS OOOOa

Unit Downtime Summary

Citation	Unit Down Start	Unit Down Stop

NOTES

Total Inspected = Total components monitored including delay of repair items and heavy liquid phase.
Total Leaks = Total number of leaks detected including by AVO methods.
Leak Percentage = Total Leaks divided by Total Inspected - Non-rolling Average.
Not Repaired = Leaks not repaired in required time period. Includes items placed on delay of repair.
Previous DOR Total = Number of DOR items prior to the monitoring event represented in the monthly column.
New DOR Total = Number of DOR items added during the monitoring event represented in the monthly column.

Oneok - Antelope Hills

Semiannual Equipment Leak Report (Process Unit)

Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM
Proc Unit: UTILITY SYSTEM
Program: NSPS OOOOa

Citation	Compressor	July	August	September	October	November	December
	Phase Type: All						
N/A	Total Inspected	0	0	0	0	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Connector**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	0	31	0	421	2	2
N/A	Total Leaks	0	0	0	2	0	0
N/A	Leak Percent	N/A	N/A	N/A	0.48%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Press Relief Device**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	2	0	0	2	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Pump**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	5	5	5	5	5	5
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	**Valve**	**July**	**August**	**September**	**October**	**November**	**December**
	Phase Type: All						
N/A	Total Inspected	61	6	0	63	2	2
N/A	Total Leaks	0	0	0	2	0	0
N/A	Leak Percent	0.00%	N/A	N/A	3.17%	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0

Oneok - Antelope Hills

Semiannual Equipment Leak Report (Process Unit)

Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM
Proc Unit: UTILITY SYSTEM
Program: NSPS OOOOa

Unit Downtime Summary

Citation	Unit Down Start	Unit Down Stop

NOTES

Total Inspected = Total components monitored including delay of repair items and heavy liquid phase.
Total Leaks = Total number of leaks detected including by AVO methods.
Leak Percentage = Total Leaks divided by Total Inspected - Non-rolling Average.
Not Repaired = Leaks not repaired in required time period. Includes items placed on delay of repair.
Previous DOR Total = Number of DOR items prior to the monitoring event represented in the monthly column.
New DOR Total = Number of DOR items added during the monitoring event represented in the monthly column.

Oneok - Antelope Hills

Semiannual Equipment Leak Report (Process Unit)

Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM
Proc Unit: UTILITY SYSTEM
Program: NSPS OOOOa

DOR – Date Range – Process Unit (RPT 488)

Site: **Oneok - Antelope Hills**
Proc Unit: ALL
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Cat/Type	Description	Source of Leak

Start Date	End Date	Reading	Reason for Delay	Approver	Exp Shutdown Date

DOR Memo:	

DOR ProC Unit Totals: 0

DOR – Date Range – Process Unit (RPT 488)

Site: **Oneok - Antelope Hills**
Proc Unit: ALL
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Regulation Totals: 0

Approval Signature: _____

Monitor - Details-NDE-With Type – Process Unit (RPT 497)

Site: **Oneok - Antelope Hills**
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 1/1/2016 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background
1019401	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	5/23/2017	2	500	0470	15249568	0
1019401	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/27/2017 3:55:48 PM	10	500	0464	75105861	0
10208	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	5/23/2017	2	500	0470	15249568	0
10208	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/27/2017 11:39:20 AM	12	500	0517	26042939	0
5815	Compressor	Single Seal	Vapor	Yearly (Jan)	Never (SS)	☐	☑	1/29/2016 9:53:55 AM	30	500	0464	26042939	0
5815	Compressor	Single Seal	Vapor	Yearly (Jan)	Never (SS)	☐	☑	1/18/2017 9:25:11 AM	7	500	0464	26042939	0

Monitor - Details-NDE-With Type – Process Unit (RPT 497)

Site: **Oneok - Antelope Hills**
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 1/1/2016 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background

Proc Unit Totals: 6

Monitor - Details-NDE-With Type – Process Unit (RPT 497)

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 1/1/2016 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background
102400	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	1/29/2016 1:57:34 PM	55	500	0517	15248303	0
102400	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/19/2016 2:46:20 PM	17	500	0517	15248303	0
102400	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/30/2017 11:19:31 AM	12	500	0517	26042939	0
5003	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/20/2016 9:30:36 AM	7	500	0517	15248303	0
5003	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/12/2017 3:28:22 PM	13	500	0517	26042939	0
5198	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/19/2016 12:14:09 PM	9	500	0518	53391437	0
5198	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/27/2017 3:32:27 PM	4	500	0609	23543772	0
5199	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/19/2016 1:23:47 PM	5	500	0518	53391437	0
5199	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/27/2017 3:34:50 PM	3	500	0609	23543772	0
5214	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/19/2016 1:50:45 PM	6	500	0518	53391437	0
5214	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/27/2017 4:07:43 PM	229	500	0609	23543772	0
5215	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/19/2016 1:53:13 PM	6	500	0518	53391437	0
5215	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/27/2017 11:04:59 AM	3	500	0602	15248069	0

Monitor - Details-NDE-With Type – Process Unit (RPT 497)

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 1/1/2016 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background

Proc Unit Totals: 13

Monitor - Details-NDE-With Type – Process Unit (RPT 497)

Site: **Oneok - Antelope Hills**
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 1/1/2016 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background
029700	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	1/29/2016 10:27:39 AM	8	500	0517	15248303	0
029700	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/19/2016 3:13:01 PM	17	500	0517	15248303	0
029700	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/30/2017 11:00:39 AM	13	500	0464	75105861	0
029800	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	1/29/2016 10:28:14 AM	8	500	0517	15248303	0
029800	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/19/2016 3:19:49 PM	17	500	0517	15248303	0
029800	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)	☐	☑	10/27/2017 1:13:36 PM	135	500	0612	15247857	0

Monitor - Details-NDE-With Type – Process Unit (RPT 497)

Site: **Oneok - Antelope Hills**
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 1/1/2016 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background

Proc Unit Totals: 6

Monitor - Details-NDE-With Type – Process Unit (RPT 497)

Site: Oneok - Antelope Hills
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 1/1/2016 to 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background

Signature:

COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Site: **Oneok - Antelope Hills**
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Description	Size	Chem State	Frequency	Explanation	Reason Added	Install Date
093200	Valve	V-Ball	0/03 V-19 LP SEP SWSDE BTM COLUMN NSDE BLD	1	LL	1st month Quarter		MOC 2" PIPE REPLACEMENT LOWER SIGHT GLASS LEG RIK	9/28/2017

COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Site: **Oneok - Antelope Hills**
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Description	Size	Chem State	Frequency	Explanation	Reason Added	Install Date

Prod Area Total: 1

COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Description	Size	Chem State	Frequency	Explanation	Reason Added	Install Date
000600	Valve	V-Orbit	0/04 PV-16.01 INLET SEP W CV LCV-801 DWN STRM BLK	2	LL	1st month Quarter		Replaced in Kind	7/1/2017
101701	Valve	V-Ball	0/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	0.75	V	1st month Quarter		MOC 2017-004	7/1/2017
101701.01	Connector	Screwed	0/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.02	Connector	Screwed	0/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.03	Connector	Screwed	0/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.04	Connector	Screwed	0/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.05	Connector	90	0/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.06	Connector	Plug	0/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.07	Connector	Screwed	4/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	4	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.08	Connector	Tube Connector	4/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	4	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.09	Connector	Tube Connector	4/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	4	V	Yearly (Oct)		MOC 2017-004	7/1/2017
101701.10	Connector	Tube Connector	4/1 CRAWFORD INLET ON METHANOL T INSIDE YELLOW BOX	4	V	Yearly (Oct)		MOC 2017-004	7/1/2017

COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Description	Size	Chem State	Frequency	Explanation	Reason Added	Install Date

Prod Area Total: 12

COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Site: **Oneok - Antelope Hills**
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Description	Size	Chem State	Frequency	Explanation	Reason Added	Install Date
030100.01	Connector	Screwed	0/06 TK-38 PLNT B METH STG TK BTM ESDE BLD NSDE VLV SC	1	LL	Yearly (Oct)		REPLACED IN KIND PER TECH 0517	12/12/2017
030100.02	Connector	Screwed	0/06 TK-38 PLNT B METH STG TK BTM ESDE BLD SSDE VLV SC	1	LL	Yearly (Oct)		REPLACED IN KIND PER TECH 0517	12/12/2017
10167	Valve	V-Ball	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	1st month Quarter		AHMOC2017-1	7/13/2017
10167.01	Connector	Plug	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10167.02	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR, BTM SC	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10167.03	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR, TOP T SC	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10168	Valve	V-Ball	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	1st month Quarter		AHMOC2017-1	7/13/2017
10168.01	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR, BTM T SC	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10168.02	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR, TOP SC	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169	Valve	V-Ball	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	1st month Quarter		AHMOC2017-1	7/13/2017
10169.01	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR, REDUCER	3	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169.02	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169.03	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169.04	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169.05	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169.06	Connector	Union	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169.07	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169.08	Connector	Screwed	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR, MID T SC	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10169.09	Connector	Manway	0/01 WEST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR, MANWAY	24	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017

COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Site: **Oneok - Antelope Hills**
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Description	Size	Chem State	Frequency	Explanation	Reason Added	Install Date
10170	Valve	V-Ball	0/01 EAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	1st month Quarter		AHMOC2017-1	7/13/2017
10170.01	Connector	Plug	0/01 EAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10170.02	Connector	Screwed	0/01 EAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10170.03	Connector	Screwed	0/01 EAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10170.04	Connector	Screwed	0/01 EAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	3	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10171	Valve	V-Ball	0/15 TOP SOUTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	1st month Quarter		AHMOC2017-1	7/13/2017
10171.01	Connector	Plug	0/15 TOP SOUTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10171.02	Connector	Screwed	0/15 TOP SOUTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR,	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10171.03	Connector	Screwed	0/15 TOP SOUTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR,	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10171.04	Connector	Plug	0/15 TOP SOUTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	4	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10172	Valve	V-Ball	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	1st month Quarter		AHMOC2017-1	7/13/2017
10172.01	Connector	Plug	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10172.02	Connector	Screwed	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10172.03	Connector	Screwed	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10172.04	Connector	Screwed	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR,	2	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10172.05	Connector	Plug	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10172.06	Connector	Screwed	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10172.07	Connector	Screwed	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017
10172.08	Connector	Screwed	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	LL	Yearly (Oct)		AHMOC2017-1	7/13/2017

COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Site: **Oneok - Antelope Hills**
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Description	Size	Chem State	Frequency	Explanation	Reason Added	Install Date
10172.09	Connector	Connector	0/15 TOP NORTHEAST SDE OF METHANOL TANK NORTH OF CRAWFORD INLET SCRBR	1	V	Yearly (Oct)		AHMOC2017-1	7/13/2017

COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Site: **Oneok - Antelope Hills**
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Description	Size	Chem State	Frequency	Explanation	Reason Added	Install Date

Prod Area Total: 39

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
093200RIK01	Valve	V-Ball	0/03 V-19 LP SEP SWSDE BTM COLUMN NSDE BLD	1	LL	1st month Quarter		MOC 2" PIPE REPLACEMENT LOWER SIGHT GLASS LEG RIK	9/28/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date

Proc Unit Total: 1

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
000600RIK01	Valve	V-Orbit	0/04 PV-16.01 INLET SEP W CV LCV-801 DWN STRM BLK	2	LL	1st month Quarter		Replaced in Kind	7/1/2017
5030	Valve	V-Ball	0/2 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	2	V	1st month Quarter		MOC 2017-004	7/1/2017
5030.1	Connector	Screwed	0/2 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	2	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5030.2	Connector	Screwed	0/2 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	2	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5030.3	Connector	Plug	0/2 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	2	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5031	Valve	V-Ball	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	2	V	1st month Quarter		MOC 2017-004	7/1/2017
5031.1	Connector	Screwed	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	2	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5031.2	Connector	Screwed	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	2	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5031.3	Connector	Screwed	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	2	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5032	Valve	V-Needle	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	0.25	V	1st month Quarter		MOC 2017-004	7/1/2017
5032.1	Connector	Screwed	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	0.25	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5032.2	Connector	Plug	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	0.25	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5033	Valve	V-Orbit	0/3 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLK	8	V	1st month Quarter		MOC 2017-004	7/1/2017
5033.1	Connector	Flange	0/3 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLK	8	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5033.2	Connector	Flange	0/3 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLK	8	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5034	Valve	V-Ball	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	1	V	1st month Quarter		MOC 2017-004	7/1/2017
5034.1	Connector	Screwed	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5034.2	Connector	Screwed	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5034.3	Connector	Plug	0/4 30FT NE OF PV-003 TENNECO SCRUBBER BY PIG RECEIVER BLD	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
5037	Valve	V-Instrument	0/3 N SDE OF PV-004 INLET SCRUBBER BLK	0.5	V	1st month Quarter		MOC 2017-004	7/1/2017
5037.1	Connector	90	0/3 N SDE OF PV-004 INLET SCRUBBER BLK	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5037.2	Connector	90	0/3 N SDE OF PV-004 INLET SCRUBBER BLK	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5037.3	Connector	Screwed	0/3 N SDE OF PV-004 INLET SCRUBBER BLK	0.25	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5037.4	Connector	Cap	0/3 N SDE OF PV-004 INLET SCRUBBER BLK	0.25	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5038	Valve	V-Instrument	0/3 N SDE OF PV-004 INLET SCRUBBER BLK	0.5	V	1st month Quarter		MOC 2017-004	7/1/2017
5038.1	Connector	Screwed	0/3 N SDE OF PV-004 INLET SCRUBBER BLK	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5039	Valve	V-Ball	0/8 N SDE OF PV-004 INLET SCRUBBER BLK	1	V	1st month Quarter		MOC 2017-004	7/1/2017
5039.1	Connector	Nipple	0/8 N SDE OF PV-004 INLET SCRUBBER BLK	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5039.2	Connector	Screwed	0/8 N SDE OF PV-004 INLET SCRUBBER BLK	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5039.3	Connector	Plug	0/8 N SDE OF PV-004 INLET SCRUBBER BLK	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5039.4	Connector	Flange	0/8 N SDE OF PV-004 INLET SCRUBBER BLK	4	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5041	Valve	V-Ball	0/12 TOP OF PV-004 INLET SCRUBBER BLK	1	V	1st month Quarter		MOC 2017-004	7/1/2017
5041.1	Connector	Nipple	0/12 TOP OF PV-004 INLET SCRUBBER BLK	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5041.2	Connector	Screwed	0/12 TOP OF PV-004 INLET SCRUBBER BLK	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5041.3	Connector	Screwed	0/12 TOP OF PV-004 INLET SCRUBBER BLK	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5042	Press Relief Device	PRV-ATMOS	0/12 PSV-1TOP OF PV-004 INLET SCRUBBER	1	V	1st month Quarter		MOC 2017-004	7/1/2017
5042.1	Connector	Screwed	0/12 PSV-1TOP OF PV-004 INLET SCRUBBER	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5044	Valve	V-Ball	0/2 W SDE OF PV-004 INLET SCRUBBER	2	LL	1st month Quarter		MOC 2017-004	7/1/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
5044.1	Connector	Screwed	0/2 W SDE OF PV-004 INLET SCRUBBER	2	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5044.2	Connector	Screwed	0/2 W SDE OF PV-004 INLET SCRUBBER	2	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5045	Valve	V-Ball	0/4 SW SDE OF PV-004 INLET SCRUBBER	0.75	V	1st month Quarter		MOC 2017-004	7/1/2017
5045.1	Connector	Nipple	0/4 SW SDE OF PV-004 INLET SCRUBBER	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5045.2	Connector	Screwed	0/4 SW SDE OF PV-004 INLET SCRUBBER	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5045.3	Connector	Screwed	0/4 SW SDE OF PV-004 INLET SCRUBBER	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5046	Valve	V-Ball	0/5 SW SDE OF PV-004 INLET SCRUBBER	0.5	V	1st month Quarter		MOC 2017-004	7/1/2017
5046.1	Connector	Nipple	0/5 SW SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5046.2	Connector	Screwed	0/5 SW SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5046.3	Connector	Plug	0/5 SW SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5047	Valve	V-Jerg	0/4 SW SDE OF PV-004 INLET SCRUBBER	0.75	V	1st month Quarter		MOC 2017-004	7/1/2017
5047.1	Connector	Flange	0/4 SW SDE OF PV-004 INLET SCRUBBER	0.75	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5048	Valve	V-Jerg	0/3 SW SDE OF PV-004 INLET SCRUBBER	0.75	V	1st month Quarter		MOC 2017-004	7/1/2017
5049	Valve	V-Ball	0/3 SW SDE OF PV-004 INLET SCRUBBER	0.5	V	1st month Quarter		MOC 2017-004	7/1/2017
5049.1	Connector	Nipple	0/3 SW SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5049.2	Connector	Screwed	0/3 SW SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5049.3	Connector	Plug	0/3 SW SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5050	Valve	V-Ball	0/3 SW SDE OF PV-004 INLET SCRUBBER	0.75	V	1st month Quarter		MOC 2017-004	7/1/2017
5051	Valve	V-Ball	0/6 S SDE OF PV-004 INLET SCRUBBER	0.5	V	1st month Quarter		MOC 2017-004	7/1/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
5051.1	Connector	Nipple	0/6 S SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5051.2	Connector	Screwed	0/6 S SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5051.3	Connector	Screwed	0/6 S SDE OF PV-004 INLET SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5051.4	Connector	Nipple	0/6 S SDE OF PV-004 INLET SCRUBBER	0.25	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5051.5	Connector	90	0/6 S SDE OF PV-004 INLET SCRUBBER	0.25	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5051.6	Connector	Gauge	0/6 S SDE OF PV-004 INLET SCRUBBER	0.25	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5052	Valve	V-Control	0/3 LCV-10 S SDE OF PV-004 INLET SCRUBBER	8	V	1st month Quarter		MOC 2017-004	7/1/2017
5056	Valve	V-Ball	0/2 S SDE OF PV-004 INLET SCRUBBER	2	LL	1st month Quarter		MOC 2017-004	7/1/2017
5057	Valve	V-Ball	0/2 S SDE OF PV-004 INLET SCRUBBER	1	LL	1st month Quarter		MOC 2017-004	7/1/2017
5057.1	Connector	Screwed	0/2 S SDE OF PV-004 INLET SCRUBBER	1	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5057.2	Connector	Plug	0/2 S SDE OF PV-004 INLET SCRUBBER	1	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5058	Valve	V-Ball	0/1 S SDE OF PV-004 INLET SCRUBBER	0.75	LL	1st month Quarter		MOC 2017-004	7/1/2017
5058.1	Connector	Screwed	0/1 S SDE OF PV-004 INLET SCRUBBER	0.75	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5058.2	Connector	Screwed	0/1 S SDE OF PV-004 INLET SCRUBBER	0.75	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5058.3	Connector	Plug	0/1 S SDE OF PV-004 INLET SCRUBBER	0.75	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5058.4	Connector	Plug	0/1 S SDE OF PV-004 INLET SCRUBBER	0.75	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5059	Valve	V-Control	0/2 S SDE OF PV-004 INLET SCRUBBER	2	LL	1st month Quarter		MOC 2017-004	7/1/2017
5060	Valve	V-Ball	0/2 SE SDE OF PV-004 INLET SCRUBBER	2	LL	1st month Quarter		MOC 2017-004	7/1/2017
5067	Valve	V-Ball	0/3 SE SDE OF PV-004 INLET SCRUBBER	0.75	LL	1st month Quarter		MOC 2017-004	7/1/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
5067.1	Connector	Screwed	0/3 SE SDE OF PV-004 INLET SCRUBBER	0.75	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5067.2	Connector	Screwed	0/3 SE SDE OF PV-004 INLET SCRUBBER	0.75	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5067.3	Connector	Gauge	0/3 SE SDE OF PV-004 INLET SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5069	Valve	V-Ball	0/3 SE SDE OF PV-004 INLET SCRUBBER	2	LL	1st month Quarter		MOC 2017-004	7/1/2017
5070	Valve	V-Ball	0/3 SE SDE OF PV-004 INLET SCRUBBER	2	LL	1st month Quarter		MOC 2017-004	7/1/2017
5071	Valve	V-Ball	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	2	LL	1st month Quarter		MOC 2017-004	7/1/2017
5071.1	Connector	Check Valve	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	2	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072	Valve	V-Ball	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	1st month Quarter		MOC 2017-004	7/1/2017
5072.1	Connector	Screwed	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072.2	Connector	Screwed	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072.3	Connector	Tee	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072.4	Connector	Tee	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072.5	Connector	Tee	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072.6	Connector	90	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072.7	Connector	90	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072.8	Connector	90	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5072.9	Connector	90	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5074	Valve	V-Ball	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	1st month Quarter		MOC 2017-004	7/1/2017
5074.1	Connector	Screwed	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	Yearly (Oct)		MOC 2017-004	7/1/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
5074.2	Connector	Screwed	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5075	Valve	V-Needle	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	1st month Quarter		MOC 2017-004	7/1/2017
5075.1	Connector	Screwed	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5075.2	Connector	Screwed	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5075.3	Connector	Gauge	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5076	Valve	V-Needle	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	1st month Quarter		MOC 2017-004	7/1/2017
5076.1	Connector	Screwed	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5076.2	Connector	Screwed	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5076.3	Connector	Tee	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5076.4	Connector	Plug	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5076.5	Connector	Plug	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5076A	Valve	Valve	NW OF PV-004 INLET SCRUBBER	0.25	LL	1st month Quarter		MOC 2017-004	7/1/2017
5076A.1	Connector	Connector	NW OF PV-004 INLET SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5076A.2	Connector	Connector	NW OF PV-004 INLET SCRUBBER	0.25	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5077	Valve	V-Ball	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	1st month Quarter		MOC 2017-004	7/1/2017
5077.1	Connector	Screwed	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5077.2	Connector	Screwed	0/3 SW SDE OF PV-003 TENNECO SCRUBBER	1	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5079	Valve	V-Ball	0/2 SW SDE OF PV-003 TENNECO SCRUBBER	2	LL	1st month Quarter		MOC 2017-004	7/1/2017
5083	Valve	V-Ball	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.75	LL	1st month Quarter		MOC 2017-004	7/1/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
5083.1	Connector	Screwed	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.75	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5083.2	Connector	Plug	0/4 SW SDE OF PV-003 TENNECO SCRUBBER	0.75	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5089	Valve	V-Ball	0/3 N SDE OF PV-003 TENNECO SCRUBBER	1	V	1st month Quarter		MOC 2017-004	7/1/2017
5089.1	Connector	Nipple	0/3 N SDE OF PV-003 TENNECO SCRUBBER	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5089.2	Connector	Screwed	0/3 N SDE OF PV-003 TENNECO SCRUBBER	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5089.3	Connector	Screwed	0/3 N SDE OF PV-003 TENNECO SCRUBBER	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5089.4	Connector	Screwed	0/3 N SDE OF PV-003 TENNECO SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5090	Valve	V-Instrument	0/3 N SDE OF PV-003 TENNECO SCRUBBER	0.5	V	1st month Quarter		MOC 2017-004	7/1/2017
5090.1	Connector	Screwed	0/3 N SDE OF PV-003 TENNECO SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5090.2	Connector	Screwed	0/3 N SDE OF PV-003 TENNECO SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5091	Valve	V-Instrument	0/3 N SDE OF PV-003 TENNECO SCRUBBER	0.5	V	1st month Quarter		MOC 2017-004	7/1/2017
5091.1	Connector	Screwed	0/3 N SDE OF PV-003 TENNECO SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5091.2	Connector	Cap	0/3 N SDE OF PV-003 TENNECO SCRUBBER	0.5	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5109	Valve	V-Control	0/4 LCV-11 NW SDE OF PV-003 TENNECO SCRUBBER	4	V	1st month Quarter		MOC 2017-004	7/1/2017
5110	Valve	V-Ball	0/4 NW SDE OF PV-003 TENNECO SCRUBBER	1	V	1st month Quarter		MOC 2017-004	7/1/2017
5110.1	Connector	Nipple	0/4 NW SDE OF PV-003 TENNECO SCRUBBER	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5110.2	Connector	Screwed	0/4 NW SDE OF PV-003 TENNECO SCRUBBER	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017
5110.3	Connector	Plug	0/4 NW SDE OF PV-003 TENNECO SCRUBBER	1	V	Yearly (Oct)		MOC 2017-004	7/1/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: CRAWFORD INLET/COMP
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date

Proc Unit Total: 132

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date
030100.01RIK01	Connector	Screwed	0/06 TK-38 PLNT B METH STG TK BTM ESDE BLD NSDE VLV SC	1	LL	Yearly (Oct)		REPLACED IN KIND PER TECH 0517	12/12/2017
030100.02RIK01	Connector	Screwed	0/06 TK-38 PLNT B METH STG TK BTM ESDE BLD SSDE VLV SC	1	LL	Yearly (Oct)		REPLACED IN KIND PER TECH 0517	12/12/2017
5195B	Valve	Valve	0/2 W OF SEPERATOR 20 FT ON METHONAL TANKS	0.5	LL	1st month Quarter		MOC 2017-004	7/1/2017
5195B.1	Connector	Connector	0/2 W OF SEPERATOR 20 FT ON METHONAL TANKS	0.5	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5195B.2	Connector	Connector	0/2 W OF SEPERATOR 20 FT ON METHONAL TANKS	0.5	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5195B.3	Connector	Connector	0/2 W OF SEPERATOR 20 FT ON METHONAL TANKS	0.5	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5195B.4	Connector	Connector	0/2 W OF SEPERATOR 20 FT ON METHONAL TANKS	0.5	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5195B.5	Connector	Connector	0/2 W OF SEPERATOR 20 FT ON METHONAL TANKS	0.5	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5195B.6	Connector	Connector	0/2 W OF SEPERATOR 20 FT ON METHONAL TANKS	0.5	LL	Yearly (Oct)		MOC 2017-004	7/1/2017
5195B.7	Connector	Connector	0/2 W OF SEPERATOR 20 FT ON METHONAL TANKS	0.5	LL	Yearly (Oct)		MOC 2017-004	7/1/2017

Component – Deleted – Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: **Oneok - Antelope Hills**
Proc Unit: UTILITY SYSTEM
Regulation: NSPS OOOOa
Date Range: 7/1/2017 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip_Type	Description	Size	Chem State	Frequency	Explanation	Reason Removed	RFS Date

Proc Unit Total: 10

Monitor - Details-CVS-With Type – Process Unit (RPT 496)

Site: **Oneok - Antelope Hills**
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 1/1/2016 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background
092300.06	Connector	Check Valve	Light Liquid	Yearly (Oct)	Never (SS)	☑	☐	6/30/2017 11:12:28 AM	16	500	0464	26042939	0
092300.06	Connector	Check Valve	Light Liquid	Yearly (Oct)	Never (SS)	☑	☐	10/27/2017 11:59:47 AM	9	500	0464	75105861	0

Monitor - Details-CVS-With Type – Process Unit (RPT 496)

Site: **Oneok - Antelope Hills**
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 1/1/2016 **to** 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background

Proc Unit Totals: 2

Monitor - Details-CVS-With Type – Process Unit (RPT 496)

Site: Oneok - Antelope Hills
Proc Unit: CONDENSATE
Regulation: NSPS OOOOa
Date Range: 1/1/2016 to 12/31/2017 11:59:59 PM

Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	CVS	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background

Signature: