



**Marathon
Petroleum Company LP**

July 26, 2019

Mr. John E. Kieling, Chief
New Mexico Environmental Department
2905 Rodeo Park Drive East, Bldg. 1
Santa Fe, NM 87505-6303

**RE: Hydrocarbon Seep Interim Measures 2019 Second Quarter Status Report
Marathon Petroleum Company LP, Gallup Refinery
(dba Western Refining Southwest, Inc.)
EPA ID# NMD000333211
HWB-WRG-19-001**

Dear Mr. Kieling:

Please find enclosed the Hydrocarbon Seep Interim Measures Status Report for the second quarter of 2019. If you have any questions or comments regarding the information contained herein, please do not hesitate to contact Brain Moore at 505-726-9745.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,
Marathon Petroleum Company LP, Gallup Refinery

Robert S. Hanks

Robert S. Hanks
Refinery General Manager

Enclosure

cc C. Chavez NMOC

92 Giant Crossing Road
Jamestown, NM 87347

**QUARTERLY STATUS REPORT
HYDROCARBON SEEP INTERIM MEASURES
MARATHON PETROLEUM COMPANY LP – GALLUP REFINERY
(dba WESTERN REFINING SOUTHWEST, INC)
Second Quarter 2019**

Activities conducted during second quarter 2019

- Source Control – Marathon continued to recover water from the standpipe sumps (S1 - S6), but no measurable separate-phase hydrocarbon (SPH) was recorded. Approximately 65,893 gallons of water were recovered during the second quarter of 2019. During the first quarter of 2019, 34,100 gallons of water were recovered with no measurable SPH recovered.

At the retention ditch, approximately 602.2 gallons of SPH was recovered during the second quarter along with 7,698 gallons of water. Approximately 136 gallons of SPH was recovered during the first quarter 2019 along with 11,700 gallons of water. The percentage of SPH recovered during the second quarterly event at the retention ditch increased, while there was no increase observed in the nearby standpipe sumps. There was a significant rise (e.g., over 2 feet at MKTF-11 and MKTF-27) in measured water levels in monitoring wells near and up-gradient the of seeps and retention ditch in the first quarter of 2019. Other wells with a smaller increase included MKTF-02, MKTF-04, MKTF-09, MKTF-10, and MKTF-14. At wells MKTF-02 and MKTF-04, the water levels remained relatively stable into the second quarter, while at the other locations it appears the water levels are decreasing. This will be evaluated further in the 3rd Quarter 2019 Report. This area may have been impacted by the release of water from the RO reject water line that runs to the south of the seeps and we will continue to monitor the water levels and hydrocarbon recovery rates.

Pursuant to NMED's letter of March 5, 2019, the area of the seeps is routinely monitored to evaluate the discharge of hydrocarbons to the land surface where shallow water discharges within the retention ditch and to the south near the original seep location. While the amount of SPH discharging into the retention ditch has reduced from initial recovery rates, the area remains wet, SPH is still present in the soils and will continue to discharge even if not on a consistent basis.

- Source Identification – An Investigation Work Plan (IWP) for Area of Concern (AOC) 35, which includes the area around the Marketing Tanks and the Truck Loading Racks, was recently revised and was submitted on July 29, 2019.

In prior status reports there was a reference to on-going efforts to locate sources of fresh water leaks within the refinery that may be affecting the distribution of contaminants at the hydrocarbon seep area, as well as in other areas of the refinery. Based on the hydrogeologic setting at the refinery property, we found it unlikely that much water would be produced from the seep area without a recharge source other than the limited rainfall that occurs at the refinery. The prior reference was not specific to potentially leaking sewer lines, but also other potential sources such as leaking fire water lines or other piping that transmits fresh water to many locations within the refinery.

In the last quarterly report, there was a discussion on efforts to repair leaks in the reverse osmosis reject water line. This included placing a new line inside of the original pipeline and then injecting a sealant between the replacement line and the original line to form a water tight barrier. This effort was not fully successful and plans are being developed to entirely bypass the old pipeline with construction of a new pipeline. Currently, a temporary aboveground line is being used to eliminate discharge from the old pipeline. Further information will be provided in a separate letter as requested in NMED's letter of May 29, 2019.

As previously discussed with the NMED in March 2019, Marathon also continues to evaluate PW-3 to determine if potable water is being lost through casing leaks.

Activities planned for third quarter 2019

- Source Control – Marathon will continue current recovery operations at the standpipe sumps and the retention ditch using a vacuum truck to pump SPH and water from each of the sumps and the downstream retention ditch. Additional evaluation of the area will be initiated in the future to determine if additional or alternative methods could be more effective.

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)				
9/3/2013*	682	3818	4500				
9/3/2013*	367	4133	4500				
9/4/2013	62	3938	4000				
9/6/2013	62	3938	4000				
9/9/2013	30	4470	4500				
9/11/2013	30	4470	4500				
9/13/2013	62	3938	4000				
9/16/2013	135	5140	5275				
9/18/2013	125	4111	4236				
9/24/2013	58	4742	4800				
9/26/2013	16	4220	4236				
10/2/2013	29	4918	4947				
10/8/2013	30	4569	4599				
10/18/2013	109	5059	5168				
10/28/2013	199	5379	5578				
10/29/2013	63	4049	4112				
11/12/2013	205	5275	5480				
11/14/2013	78	5168	5246				
11/18/2013	60	4539	4599				
11/26/2013	80	5168	5248				
12/3/2013	54	5169	5223				
12/6/2013	57	4890	4947				
12/12/2013	54	5169	5223				
12/17/2013	58	4775	4833				
12/24/2013	57	4890	4947	2013 Totals	hydrocarbon recovered	water pumped	total fluid pumped
1/2/2014	88	4687	4775				
1/6/2014	56	4947	5003				
1/7/2014	32	3829	3861				
1/9/2014	32	3448	3480				
1/13/2014	29	4688	4717				
1/16/2014	29	4688	4717				
1/22/2014	29	4918	4947				
1/29/2014	30	4449	4479				
1/31/2014	61	4236	4297				
2/4/2014	61	4236	4297				
2/11/2014	60	4539	4599				
2/18/2014	57	4890	4947				
2/25/2014	57	4890	4947				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)
2/28/2014	63	3924	3987
3/4/2014	31	4327	4358
3/7/2014	29	4804	4833
3/12/2014	29	4804	4833
3/14/2014	30	4449	4479
3/17/2014	32	3829	3861
3/19/2014	32	3448	3480
3/24/2014	32	3703	3735
3/28/2014	32	3703	3735
4/1/2014	32	3703	3735
4/3/2014	32	3320	3352
4/7/2014	15	4220	4235
4/15/2014	30	4205	4235
4/23/2014	31	4327	4358
5/1/2014	31	4327	4358
5/7/2014	31	4081	4112
5/14/2014	30	4205	4235
5/22/2014	31	4081	4112
5/29/2014	31	3994	4025
6/6/2014	31	4081	4112
6/13/2014	32	3829	3861
6/20/2014	32	3955	3987
7/3/2014	31	4081	4112
7/10/2014	30	4205	4235
7/18/2014	30	4205	4235
7/28/2014	30	4205	4235
8/4/2014	30	4205	4235
8/14/2014	32	3955	3987
8/20/2014	31	4081	4112
8/29/2014	32	3955	3987
9/4/2014	32	3703	3735
9/11/2014	32	3576	3608
9/18/2014	32	3320	3352
9/26/2014	32	3448	3480
9/30/2014	32	3576	3608
10/7/2014	32	3320	3352
10/14/2014	32	3320	3352
10/21/2014	32	3955	3987
10/30/2014	32	3955	3987
11/7/2014	32	3320	3352

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)				
11/12/2014	32	3320	3352				
11/18/2014	32	3064	3096				
12/4/2014	32	3829	3861				
12/9/2014	32	3955	3987				
12/15/2014	31	4081	4112				
12/24/2014	31	4081	4112				
12/30/2014	32	3703	3735	2014 Totals	hydrocarbon recovered	water pumped	total fluid pumped
1/8/2015	31	4081	4112		2,108	242,182	244,290
1/21/2015	31	4327	4358				
1/29/2015	32	3448	3480				
2/6/2015	32	3448	3480				
2/11/2015	32	3320	3352				
3/5/2015	29	4688	4717				
3/12/2015	31	4081	4112				
3/16/2015	31	4081	4112				
3/25/2015	32	3703	3735				
3/31/2015	32	3955	3987				
4/13/2015	32	3829	3861				
4/20/2015	32	3703	3735				
4/27/2015	16	4096	4112				
4/30/2015	16	4096	4112				
5/11/2015	16	4220	4236				
5/29/2015	16	3971	3987				
6/8/2015	16	4096	4112				
6/12/2015	16	4096	4112				
6/16/2015	16	4220	4236				
6/24/2015	15	4583	4599				
7/2/2015	16	4096	4112				
7/8/2015	16	3971	3987				
7/15/2015	15	4343	4358				
7/22/2015	16	4220	4236				
7/30/2015	16	3845	3861				
8/6/2015	16	4220	4236				
8/12/2015	16	3971	3987				
8/17/2015	16	4220	4236				
8/21/2015	16	3845	3861				
8/26/2015	16	4220	4236				
9/2/2015	15	4464	4479				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)				
9/11/2015	14	5154	5168				
9/25/2015	15	4464	4479				
10/2/2015	15	4583	4599				
10/8/2015	16	4220	4236				
10/23/2015	16	4817	4833				
10/29/2015	16	4220	4236				
11/11/2015	14	4933	4947				
11/20/2015	24	5554	5578				
11/30/2015	43	4790	4833				
12/10/2015	56	5323	5379				
12/17/2015	56	4891	4947				
12/24/2015	54	5114	5168				
12/31/2015	54	5114	5168	2015 Totals	hydrocarbon recovered	water pumped	total fluid pumped
1/7/2016	56	5323	5379		1,071	188,634	189,707
1/19/2016	51	5429	5480				
1/26/2016	56	5003	5059				
2/11/2016	54	5221	5275				
2/17/2016	56	4891	4947				
2/25/2016	56	5323	5379				
3/4/2016	47	5625	5672				
3/11/2016	49	5529	5578				
3/17/2016	59	4658	4717				
3/24/2016	45	5717	5762				
3/31/2016	49	5529	5578				
4/6/2016	38	5966	6004				
4/15/2016	40	5888	5928				
4/20/2016	56	5323	5379				
4/27/2016	43	5804	5847				
5/5/2016	47	5625	5672				
5/9/2016	60	4419	4479				
5/10/2016	45	5717	5762				
5/17/2016	40	5888	5928				
5/19/2016	51	5429	5480				
5/24/2016	38	5966	6004				
5/25/2016	49	5529	5578				
5/27/2016	43	5804	5847				
6/1/2016	45	5717	5762				
6/3/2016	51	5429	5480				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)
6/7/2016	35	6039	6074
6/9/2016	47	5625	5672
6/13/2016	40	5888	5928
6/16/2016	38	5966	6004
6/20/2016	40	5888	5928
6/23/2016	49	5529	5578
6/27/2016	47	5625	5672
6/30/2016	60	4419	4479
7/6/2016	232	4768	5000
7/8/2016	109	3891	4000
7/11/2016	232	4768	5000
7/19/2016	300	5300	5600
7/21/2016	109	3891	4000
7/25/2016	232	4768	5000
7/28/2016	109	3891	4000
8/2/2016	232	4768	5000
8/9/2016	300	5300	5600
8/15/2016	232	4768	5000
8/18/2016	109	3891	4000
8/23/2016	232	4768	5000
8/25/2016	109	3891	4000
8/29/2016	232	4768	5000
9/1/2016	109	3891	4000
9/7/2016	232	4768	5000
9/9/2016	109	4187	4296
9/12/2016	109	3891	4000
9/15/2016	109	3891	4000
9/19/2016	232	4768	5000
9/27/2016	300	5300	5600
9/29/2016	109	3891	4000
10/5/2016	280	5180	5460
10/7/2016	280	5180	5460
10/10/2016	280	5180	5460
10/20/2016	109	3891	4000
10/26/2016	50	2450	2500
10/28/2016	109	3891	4000
11/1/2016	109	3891	4000
11/3/2016	109	3891	4000
11/8/2016	109	3891	4000
11/10/2016	109	3891	4000

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)				
11/14/2016	109	3891	4000				
11/23/2016	109	3891	4000				
12/6/2016	109	3891	4000				
12/8/2016	109	3891	4000				
12/13/2016	303	4697	5000				
12/15/2016	109	3891	4000				
12/20/2016	109	3891	4000				
12/27/2016	400	4600	5000				
12/29/2016	109	3891	4000	2016 Totals	hydrocarbon recovered	water pumped	total fluid pumped
					8,668	357,619	366,287
1/10/2017	109	3891	4000				
1/20/2017	167	4333	4500				
2/2/2017	109	3891	4000				
2/6/2017	231	4769	5000				
2/17/2017	231	4769	5000				
2/20/2017	109	3891	4000				
3/1/2017	109	4891	5000				
3/6/2017	167	4833	5000				
3/9/2017	109	3891	4000				
3/14/2017	231	4769	5000				
5/8/2017	303	4697	5000				
5/12/2017	167	3833	4000				
5/15/2017	167	3833	4000				
5/16/2017	10	5590	5600				
5/18/2017	10	3090	3100				
5/23/2017	40	5560	5600				
5/24/2017	232	4768	5000				
5/30/2017	20	5980	6000				
6/1/2017	10	2990	3000				
6/6/2017	100	7900	8000				
6/8/2017	10	5990	6000				
6/13/2017	10	5990	6000				
6/15/2017	50	5950	6000				
6/20/2017	10	5990	6000				
6/22/2017	10	5990	6000				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)
6/27/2017	20	5980	6000
6/29/2017	10	5990	6000
7/5/2017	10	2990	3000
7/7/2017	50	8950	9000
7/11/2017	10	5990	6000
7/14/2017	10	5990	6000
7/17/2017	10	2990	3000
7/18/2017	20	2980	3000
7/20/2017	50	8950	9000
7/26/2017	75	5925	6000
7/27/2017	50	2950	3000
8/2/2017	75	5425	5500
8/4/2017	10	3490	3500
8/8/2017	25	5475	5500
8/10/2017	20	3480	3500
8/16/2017	15	4485	4500
8/21/2017	50	7950	8000
8/25/2017	25	2975	3000
8/29/2017	50	5950	6000
8/31/2017	20	2980	3000
9/6/2017	15	5985	6000
9/8/2017	15	2985	3000
9/12/2017	25	5975	6000
9/14/2017	75	3925	4000
9/19/2017	49	2951	3000
9/26/2017	49	3751	3800
9/28/2017	25	3775	3800
10/4/2017	50	3450	3500
10/6/2017	45	3455	3500
10/10/2017	25	5975	6000
10/12/2017	50	2950	3000
10/17/2017	50	5450	5500
10/19/2017	9	2841	2850
10/24/2017	19	5981	6000
10/26/2017	49	2451	2500
11/1/2017	49	5951	6000
11/7/2017	50	2950	3000

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)				
11/9/2017	24	4976	5000				
11/14/2017	9	5991	6000				
11/15/2017	9	2991	3000				
11/21/2017	9	5991	6000				
11/22/2017	9	2991	3000				
11/28/2017	9	5991	6000				
11/30/2017	9	2991	3000				
12/4/2017	25	7575	7600				
12/7/2017	25	5975	6000				
12/12/2017	19	7581	7600				
12/14/2017	9	2991	3000				
12/19/2017	9	2991	3000				
12/21/2017	49	5951	6000				
12/27/2017	49	5951	6000	2017 Totals	hydrocarbon recovered	water pumped	total fluid pumped
					4,238	365,712	369,950
1/2/2018	9	7591	7600				
1/4/2018	9	3791	3800				
1/9/2018	9	3791	3800				
1/11/2018	9	7591	7600				
1/15/2018	19	3781	3800				
1/17/2018	19	7581	7600				
1/23/2018	9	3791	3800				
1/31/2018	9	2991	3000				
2/2/2018	9	2991	3000				
2/9/2018	9	5991	6000				
2/13/2018	9	3791	3800				
2/15/2018	9	7591	7600				
2/21/2018	9	5991	6000				
2/27/2018	0	3800	3800				
3/1/2018	0	3000	3000				
3/6/2018	0	3000	3000				
3/8/2018	4	3796	3800				
3/13/2018	4	2996	3000				
3/16/2018	4	2996	3000				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)		hydrocarbon recovered	water pumped	total fluid pumped
3/20/2018	4	2996	3000				
3/22/2018	0	3000	3000	1st Qtr 2018 Totals	153	92,847	93,000
4/3/2018	3	2997	3000				
6/6/2018	3	3097	3100				
6/8/2018	3	3097	3100				
6/12/2018	0	3800	3800				
6/14/2018	0	3000	3000				
6/20/2018	0	3500	3500				
6/21/2018	0	3000	3000				
6/26/2018	0	3000	3000				
6/28/2018	0	3000	3000	2nd Qtr 2018 Totals	9	28,491	28,500
2-Jul-18	0	2800	2800				
5-Jul-18	0	3000	3000				
10-Jul-18	0	3000	3000				
12-Jul-18	0	3000	3000				
18-Jul-18	0	3000	3000				
19-Jul-18	0	3000	3000				
24-Jul-18	0	3000	3000				
26-Jul-18	0	3000	3000				
31-Jul-18	0	3000	3000				
2-Aug	0	3000	3000				
7-Aug	0	3000	3000				
9-Aug-18	0	3800	3800				
14-Aug-18	0	3800	3800				
16-Aug-18	0	3100	3100				
20-Aug-18	0	3800	3800				
22-Aug-18	0	3800	3800				
27-Aug-18	0	3800	3800				
29-Aug-18	0	3100	3100				
5-Sep-18	0	3000	3000				
7-Sep-18	0	3000	3000				
10-Sep-18	0	4800	4800				
12-Sep-18	0	6000	6000				
17-Sep-18	0	3000	3000				
19-Sep-18	0	6000	6000				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)		hydrocarbon recovered	water pumped	total fluid pumped
24-Sep-18	0	3000	3000				
26-Sep-18	0	3000	3000	3rd Qtr 2018 Totals	0	89,800	89,800
1-Oct	0	3800	3800				
8-Oct-18	0	3500	3500				
16-Oct-18	0	3000	3000				
18-Oct-18	0	3500	3500				
23-Oct-18	0	3000	3000				
27-Oct-18	0	3100	3100				
1-Nov-18	0	3000	3000				
15-Nov-18	0	3000	3000				
20-Nov-18	0	3100	3100				
23-Nov-18	0	3200	3200				
27-Nov-18	0	3000	3000				
28-Nov-18	0	3000	3000				
3-Dec-18	0	3400	3400				
6-Dec-18	0	3100	3100				
10-Dec-18	0	3000	3000				
14-Dec-18	0	2900	2900				
18-Dec-18	0	2900	2900				
21-Dec-18	0	2500	2500				
24-Dec-18	0	3000	3000				
27-Dec-18	0	3000	3000				
28-Dec-19	0	3200	3200		hydrocarbon recovered	water pumped	total fluid pumped
31-Dec-19	0	3200	3200	4th Qtr 2018 Totals	0	68,400	68,400
3-Jan	0	3000	3000				
12-Jan-19	0	3000	3000				
16-Jan-19	0	2800	2800				
22-Jan-19	0	4500	4500				
29-Jan-19	0	4000	4000				
31-Jan-19	0	3200	3200				
4-Feb	0	3000	3000				
7-Feb	0	4500	4500				
15-Feb-19	0	3100	3100				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)		hydrocarbon recovered	water pumped	total fluid pumped
28-Mar-19	0	3000	3000				
				1st Qtr 2019	0	34,100	34,100
3-Apr	0	3900	3900				
4-Apr	0	3000	3000				
10-Apr-19	0	5800	5800				
19-Apr-19	0	3090	3090				
22-Apr-19	0	5894	5894				
1-May	0	4925	4925				
3-May	0	3109	3109				
20-May-19	0	6150	6150				
24-May-19	0	3119	3119				
29-May-19	0	6242	6242				
9-Jun-2019	0	5061	5061				
10-Jun-2019	0	6242	6242				
14-Jun-2019	0	3119	3119		hydrocarbon recovered	water pumped	total fluid pumped
26-Jun-2019	0	6242	6242	2nd Qtr 2019	0	65,893	65,893
Project Totals	19,009	1,649,613	1,668,624				

* two loads were removed on this date

** based on estimates from measurements taken on 10/13/16 and 10/18/16

**Marathon Petroleum Company - Gallup Refinery
Retention Ditch Recovery Records**

DATE	LOADS	water/oil mixture (gallons)	oil (gallons)
4/1/2016	1	5460	NR
4/27/2016	1	5460	NR
4/28/2016	1	5460	NR
5/5/2016	1	5460	NR
5/9/2016	0.75	4200	NR
5/13/2016	1	5460	NR
5/24/2016	1	5460	NR
5/26/2016	0.5	2730	NR
5/27/2016	1	5460	NR
6/1/2016	1	5460	NR
6/2/2016	1	5460	NR
6/6/2016	1	5460	NR
6/8/2016	1	5460	NR
6/9/2016	0.5	2730	NR
6/14/2016	1	5460	NR
6/16/2016	1	5460	NR
6/23/2016	1	5460	NR
6/29/2016	0.5	2730	NR
7/6/2016	1	5460	NR
7/8/2016	1	5460	NR
7/13/2016	1	5460	NR
7/21/2016	1	5460	NR
7/27/2016	1	5460	NR
8/3/2016	1	5460	NR
8/9/2016	2	10920	NR
8/10/2016	0.5	2730	NR
8/16/2016	1	5460	NR
8/17/2016	1	5460	NR
8/18/2016	0.5	2730	NR
8/23/2016	2	10920	NR
8/24/2016	1	5460	NR
8/26/2016	1	5460	NR
8/30/2016	1	5460	NR
9/1/2016	2	10920	NR
9/8/2016	2	10920	NR
9/14/2016	2	10920	NR
10/6/2016	1	5460	NR
10/7/2016	1	5460	NR
10/10/2016	2	10920	NR
10/20/2016	1	5460	NR
10/24/2016	1	5460	NR

**Marathon Petroleum Company - Gallup Refinery
Retention Ditch Recovery Records**

DATE	LOADS	water/oil mixture (gallons)	oil (gallons)			
10/26/2016	2	10920	NR			
10/27/2016	1	5460	NR			
10/31/2016	2	10920	NR			
11/8/2016	2	10920	NR			
11/10/2016	3	16380	NR			
11/11/2016	0.77	4200	NR			
11/15/2016	0.5	2730	NR			
11/16/2016	1	5460	NR			
12/6/2016	1	5460	NR			
12/8/2016	1	5460	NR			
12/14/2016	1	5460	NR			
12/15/2016	3	15120	NR	2016 Totals	LOADS	water/oil mixture
					62.52	340,200
2/21/2017	NR	5000	NR			
3/8/2017	NR	10000	NR			
3/10/2017	NR	4000	NR			
3/14/2017	NR	10000	NR			
3/15/2017	NR	4000	NR			
3/16/2017	NR	1250	NR			
3/17/2017	NR	5000	NR			
5/16/2017	1	2000	20			
5/17/2017	3	15000	NR			
5/22/2017	1	5000	NR			
5/23/2017	1	2800	20			
5/24/2017	1	5000	NR			
5/30/2017	1	3500	10			
6/6/2017	1	3100	20			
6/8/2017	2	5800	20			
6/13/2017	1	2900	30			
6/15/2017	1	3000	10			
6/20/2017	1	2000	10			
6/22/2017	1	3000	20			
6/27/2017	2	5500	40			
6/29/2017	1	2500	10			
7/5/2017	2	5600	10			
7/7/2017	1	3000	20			
7/11/2017	1	3000	10			
7/14/2017	1	3000	10			
7/18/2017	1	2500	10			

**Marathon Petroleum Company - Gallup Refinery
Retention Ditch Recovery Records**

DATE	LOADS	water/oil mixture (gallons)	oil (gallons)				
7/20/2017	1	3000	10				
7/27/2017	2	4500	10				
8/3/2017	2	5000	20				
8/4/2017	1	3000	20				
8/9/2017	1	3000	25				
8/16/2017	1	2000	10				
8/25/2017	1	1500	50				
8/31/2017	1	2000	40				
9/7/2017	2	5200	80				
9/15/2017	2	5500	100				
9/20/2017	1	3800	100				
9/26/2017	1	3800	10				
10/4/2017	1	3500	100				
10/12/2017	1	2800	95				
10/19/2017	1	3000	100				
10/26/2017	1	2500	100				
11/1/2017	1	3000	100				
11/7/2017	1	3000	100				
11/15/2017	2	5500	100				
11/22/2017	1	2000	100				
11/28/2017	1	2000	50				
12/4/2017	1	1500	100				
12/14/2017	1	1500	50				
12/19/2017	1	2500	100				
12/27/2017	1	2000	50	2017 Totals	54	194,550	1,890
1/4/2018	1	2800	25				
1/9/2018	2	7500	9				
1/15/2018	1	2500	20				
1/23/2018	1	3800	9				
1/31/2018	1	2500	9				
2/2/2018	1	2500	9				
2/13/2018	1	2000	9				
2/21/2018	1	2080	20				
3/6/2018	1	1500	19				
3/13/2018	1	1500	9				
3/22/2018	1	1500	20	1st Qtr 2018	13	32,180	208
	0	0	0	2nd Qtr 2018	0	0	0
5-Jul-18	1	1800	36				

**Marathon Petroleum Company - Gallup Refinery
Retention Ditch Recovery Records**

DATE	LOADS	water/oil mixture (gallons)	oil (gallons)				
12-Jul-18	1	2000	100				
20-Jul-18	1	2000	40				
25-Jul-18	1	1800	36				
27-Jul-18	1	1800	36				
7-Aug-18	1	1900	38				
17-Aug-18	1	2000	80				
22-Aug-18	1	1800	72				
24-Aug-18	1	500	20				
30-Aug-18	1	500	20				
7-Sep-18	1	2000	20				
13-Sep-18	1	1500	30				
14-Sep-18	1	2000	40				
19-Sep-18	1	1500	30				
26-Sep-18	1	1500	30				
28-Sep-18	1	1500	30	3rd Qtr 2018	16	26,100	658
16-Oct-18	1	2200	220				
18-Oct-18	1	2000	40				
23-Oct-18	1	1500	30				
1-Nov-18	1	2500	50				
15-Nov-18	1	2500	50				
23-Nov-18	1	2600	52				
6-Dec-18	1	2600	52				
10-Dec-18	1	2000	40				
11-Dec-18	1	300	30				
14-Dec-18	1	2300	46				
13-Jan-19	1	2000	20	4th Qtr 2018	10	20,500	610
23-Jan-19	1	2400	48				
31-Jan-19	1	2400	48				
5-Feb	1	2000	20				
28-Mar-19	1	2900	0	1st Qtr 2019 Totals	5	11700	136
4-Apr	1	2800	28				
19-Apr-19	1	1540	46.2				
14-Jun-2019	1	1560	312				
27-Jun-2019	1	2400	216	2nd Qtr 2019	4	8300	602.2
Project Totals	163.5	631,530.0	4,054.2				

**Marathon Petroleum Company - Gallup Refinery
Retention Ditch Recovery Records**

DATE	LOADS	water/oil mixture (gallons)	oil (gallons)
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Totals for oil only includes data since May 2017