



December 13, 2018

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

**Re: HYDROCARBON SEEP INTERIM MEASURES 2018 3rd QUARTER STATUS REPORT
Marathon Petroleum Company LP
EPA ID # NMD000333211
HWB-WRG-15-006**

Dear Mr. Kieling:

Marathon Petroleum Company LP (Marathon) is submitting the 3rd Quarter 2018 Interim Measures Report for the Hydrocarbon Seep Area at the Gallup, New Mexico Refinery. Included with the submittal are electronic files on CD.

If the New Mexico Environmental Department (NMED) requires any additional information, please do not hesitate to contact Brian Moore at 505-726-9745.

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

A handwritten signature in cursive script that reads 'Robert S. Hanks'.

Robert S. Hanks
Refinery General Manager

cc: C. Chavez (OCD)

92 Giant Crossing Road
Jamestown, NM 87347

QUARTERLY STATUS REPORT
HYDROCARBON SEEP INTERIM MEASURES
MARATHON PETROLEUM COMPANY LP – GALLUP REFINERY
Third Quarter 2018

Activities conducted during third quarter 2018

- Source Control – Marathon continued to recover groundwater from the standpipe sumps (S1 - S6), but no measurable separate-phase hydrocarbon (SPH) was recorded. Approximately 89,800 gallons of groundwater were recovered during the third quarter, which represents a significant increase over the 28,491 gallons recovered during the last quarter (2nd Qtr. 2018). Approximately 9 gallons of SPH were recovered during the previous quarter. The increase in the volume of water recovered was due an increase in the number of recovery events and is not related to any observed changes in the amount of water present in the sumps. Although no SPH was recovered from the standpipe sumps, SPH was recovered from the retention ditch area to the north.

Recovery was resumed at the retention ditch, which was previously excavated north of the standpipes (S1-S6), as product was observed to be entering the retention ditch. Approximately 658 gallons of SPH was recovered during the third quarter along with 25,442 gallons of water. This represents an increase in SPH recovery compared to the first quarter when 208 gallons of SPH was recovered. The increase in recovery during the third quarter could possibly be attributed the fact that no recovery was conducted during the second quarter, thus allowing more SPH to accumulate in the subsurface adjacent to the retention ditch. The volume of water recovered was lower in the third quarter compared to the first quarter, when approximately 31,972 gallons were recovered.

- Source Identification – An Investigation Work Plan was submitted for Area of Concern (AOC) 35, which includes the area around the Marketing Tanks and the Truck Loading Racks. In addition to the leak previously identified in the sewer line west of the Bundle Cleaning Pad, the area identified as AOC 35 is also suspected to be a source of the hydrocarbon seep.

Activities planned for fourth quarter 2018

- Source Control – Marathon will continue current recovery operations at the standpipe sumps and the retention ditch, if hydrocarbons are present, using a vacuum truck to pump SPH and groundwater from each of the sumps and the downstream retention ditch.

**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				
				2013 Totals	hydrocarbon recovered	water pumped	total fluid pumped
12/24/2013	57	4890	4947		2,705	111,045	113,750
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				
6/27/2017	20	5980	6000				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)
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
11/9/2017	24	4976	5000
11/14/2017	9	5991	6000

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)				
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				
3/20/2018	4	2996	3000				
3/22/2018	0	3000	3000	1st Qtr 2018	153	92,847	93,000
4/3/2018	3	2997	3000				

Marathon Petroleum Company - Gallup Refinery

Stand Pipes Recovery Records

DATE	hydrocarbon recovered (gallons)	water pumped (gallons)	total fluid pumped (gallons)				
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	hydrocarbon	water	total fluid
					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				
24-Sep-18	0	3000	3000	3rd Qtr 2018	hydrocarbon	water	total fluid
26-Sep-18	0	3000	3000		0	89,800	89,800
Project Totals	19,009	1,481,220	1,500,231				

* 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			
7/20/2017	1	3000	10			

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

DATE	LOADS	water/oil mixture (gallons)	oil (gallons)				
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				
12-Jul-18	1	2000	100				
20-Jul-18	1	2000	40				
25-Jul-18	1	1800	36				

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

DATE	LOADS	water/oil mixture (gallons)	oil (gallons)				
27-Jul-18	1	1800	36				
7-Aug	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	# of loads	water/oil mixture	oil
					16	26,100	658
Project Totals	129.5	564,930	2,048				

Totals for oil only includes data since May 2017