



From: [Larsen, Thurman](#)
To: [VanHorn, Kristen, NMENV](#); [Cobrain, Dave, NMENV](#)
Cc: [Riege, Ed](#); [Johnson, Cheryl](#); [Dorsey, Alvin](#); [Morgan, Loretta](#)
Subject: MONTHLY BENZENE REPORT FOR JANUARY 2012
Date: Monday, February 06, 2012 10:19:51 AM
Attachments: [20120206101143364.pdf](#)

Dear Kristen:

The following is the monthly benzene report for January 2012:

The monthly flow data for January 2012 through the (N-S) Benzene Strippers to AL-1 is summarized as follows:

	N-Stripper(gpm)	S-Stripper(gpm)	Total
Flow (gpm)			
Average(gpm)	102.53		
93.72	196.25		
Maximum (gpm)	124.47		
110.84	235.31		
Minimum (gpm)	44.80		
78.69	123.49		

The monthly flow data for January 2012 from AL-2 to EP-1 is summarized as follows:

	Weir Height (in)	Flow Rate (gpm)	Flow Volume
(gpd)			
Average	7.5	215.1	
309711			
Maximum	8.3	269.3	
387762			
Minimum	2.0	6.9	
9909			

Benzene Stripper #3 is located in the process area. The monthly flow volume is determined as follows:

The desalter effluent is routed through benzene stripper #3. The desalter effluent average for January 2012 is 3.632 % of the crude charge rate. Therefore the monthly flow for January 2012 has an average flow of 11.7 gpm, maximum flow of 17.3 gpm, and a minimum flow of 6.8 gpm.

The attachment above is the monthly benzene results for January 2012 from Hall Environmental Laboratories.

One excursion was encountered during the Month of January 2012. The excursion occurred on January 23, 2012. Hall Laboratory data indicated a value of 1.10 ppm. Gallup Refinery reflected an internal results of 0.48/0.24 ppm. The benzene strippers were taken offline on January 30th and 31st to clean and re-pack strippers. All effluents was routed to tank (T-35); therefore, no samples

were collected for January 30th and 31st . The benzene strippers were put back online on February 2nd .

Regards,
Beck Larsen
Western Refining- Gallup Refinery

BENZENE STRIPPER - API 1 & 2 OUTLET

Date Sample Taken	Western - Lab Benzene Results (ppm)		Hall Sample ID	Hall Environmental Lab Data Benzene Results (ppm)			Results in Compliance < 0.5 ppm Yes; FAILED >0.5	Comments
	AM	PM		Sample rec'd Temp <6° C Acceptable range	Results (ppb)	> 0.5 ppm		
Sunday, January 01, 2012	0.02	0.02	1201008	1.90	94.00	0.09	Yes	0.00
Monday, January 02, 2012	0.05	0.16	1201008	1.90	66.00	0.07	Yes	0.00
Tuesday, January 03, 2012	0.12	0.07	1201185	4.30	130.00	0.13	Yes	0.00
Wednesday, January 04, 2012	0.03	0.18	1201185	4.30	78.00	0.08	Yes	0.00
Thursday, January 05, 2012	0.04	0.04	1201185	4.30	ND	0.00	Yes	0.00
Friday, January 06, 2012	0.05	0.14	1201185	4.30	ND	0.00	Yes	0.00
Saturday, January 07, 2012	0.05	0.10	1201185	4.30	ND	0.00	Yes	0.00
Sunday, January 08, 2012	0.06	0.10	1201185	4.30	ND	0.00	Yes	0.00
Monday, January 09, 2012	0.08	0.05	1201375	2.10	81.00	0.08	Yes	0.00
Tuesday, January 10, 2012	0.09	0.06	1201375	2.10	110.00	0.11	Yes	0.00
Wednesday, January 11, 2012	0.20	0.07	1201375	2.10	220.00	0.22	Yes	0.00
Thursday, January 12, 2012	0.03	0.02	1201375	2.10	130.00	0.13	Yes	0.00
Friday, January 13, 2012	0.14	0.05	1201418	3.20	80.00	0.08	Yes	0.00
Saturday, January 14, 2012	0.02	0.05	1201418	3.20	110.00	0.11	Yes	0.00
Sunday, January 15, 2012	0.05	0.09	1201418	3.20	58.00	0.06	Yes	0.00
Monday, January 16, 2012	0.14	0.16	1201583	2.20	90.00	0.09	Yes	0.00
Tuesday, January 17, 2012	0.19	0.16	1201583	2.20	160.00	0.16	Yes	0.00
Wednesday, January 18, 2012	0.43	0.28	1201583	2.20	220.00	0.22	Yes	0.00
Thursday, January 19, 2012	0.12	0.09	1201583	2.20	220.00	0.22	Yes	0.00
Friday, January 20, 2012	0.03	0.20	1201640	5.50	ND	0.00	Yes	0.00
Saturday, January 21, 2012	0.14	0.23	1201640	5.50	210.00	0.21	Yes	0.00
Sunday, January 22, 2012	0.09	0.24	1201640	5.50	170.00	0.17	Yes	0.00
Monday, January 23, 2012	0.48	0.24	1201797	3.50	1100.00	1.10	Failed	0.00

BENZENE STRIPPER - API 1 & 2 OUTLET

Date Sample Taken	Western - Lab Benzene Results (ppm)		Hall Sample ID	Hall Environmental Lab Data Benzene Results (ppm)			Results in Compliance < 0.5 ppm Yes; FAILED >0.5	Comments
	AM	PM		Sample rec'd Temp <6° C Acceptable range	Results (ppb)	> 0.5 ppm		
Tuesday, January 24, 2012	0.10	No Data	1201797	3.50	110.00	0.11	Yes	0.00
Wednesday, January 25, 2012	No Data	0.08	1201797	3.50	140.00	0.14	Yes	0.00
Thursday, January 26, 2012	0.34	0.10	1201797	3.50	380.00	0.38	Yes	0.00
Friday, January 27, 2012	0.30	0.11	1201846	1.60	230.00	0.23	Yes	0.00
Saturday, January 28, 2012	0.17	0.11	1201846	1.60	170.00	0.17	Yes	0.00
Sunday, January 29, 2012	0.14	0.22	1201846	1.60	200.00	0.20	Yes	0.00
Monday, January 30, 2012	No Data	No Data	0	0.00	ected:Water	lected:Water	lected:Water	ed: Strippers down for BZ Packing Replacement and Cleaning API;Wa
Tuesday, January 31, 2012	No Data	No Data	0	0.00	ected:Water	lected:Water	lected:Water	ed: Strippers down for BZ Packing Replacement and Cleaning API;Wa