



From: [Larsen, Thurman](#)
To: [VanHorn, Kristen, NMENV](#); [Cobrain, Dave, NMENV](#); [Chavez, Carl J, EMNRD](#)
Cc: [Riege, Ed](#); [Johnson, Cheryl](#); [Dorsey, Alvin](#); [Morgan, Loretta](#)
Subject: MONTHLY BENZENE REPORT FOR APRIL 2012
Date: Tuesday, May 01, 2012 9:41:08 AM
Attachments: [20120430113659033.pdf](#)
[20120430145737395.pdf](#)

Dear Kristen;

The following is the monthly benzene report for April 2012.

The monthly flow data for April 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)	93.41		
77.15	170.56		
Maximum (gpm)	119.50		
98.45	217.94		
Minimum (gpm)	31.81		
54.46	86.28		

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

	Weir Height (in)	Flow Rate (gpm)	Flow
Volume (gpd)			
Average	8.97		
325.7	468954		
Maximum	9.00		
328.2	472549		
Minimum	8.83		
312.8	450389		

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 April 2012 is 4.51% of the crude charge rate. Therefore, the monthly flow for April 2012 has an average flow of 17.8 gpm, a maximum of flow rate of 18.3 gpm, and a minimum flow rate of 17.5 gpm.

The attachment above is the monthly benzene results for March and April 2012 from Hall Environmental Laboratories. At the time of the February report, Hall data had not been received; Hall data was still pending for March 28th through March 31st. Likewise at the time of this report, Hall data has not been received from April 23rd to April 30th, therefore, Hall data is still pending. I have included the completed monthly benzene data from Hall for March 2012 and a partial Hall

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data from April 1st through April 22 . Hall data from April 23 through April 30 is still pending. During the month of March and through April 22nd , 2012, Western did not experience any excursions.

If you should have any additional questions, please contact me directly at (505) 722-0258.

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
	AM	PM		Sample rec'd Temp < 8° C Acceptable range	Results (ppb)	> 0.5 ppm	
Sunday, April 01, 2012	0.03	0.09	1204050	1.0	ND	0.00	Yes
Monday, April 02, 2012	0.00	0.04	1204272	3.3	25.00	0.03	Yes
Tuesday, April 03, 2012	0.02	0.09	1204272	3.3	38.00	0.04	Yes
Wednesday, April 04, 2012	0.06	0.05	1204272	3.3	76.00	0.08	Yes
Thursday, April 05, 2012	0.00	0.00	1204272	3.3	23.00	0.02	Yes
Friday, April 06, 2012	0.00	0.00	1204400	3.8	20.00	0.02	Yes
Saturday, April 07, 2012	0.00	0.00	1204400	3.8	64.00	0.06	Yes
Sunday, April 08, 2012	0.03	0.00	1204400	3.8	120.00	0.12	Yes
Monday, April 09, 2012	0.16	0.00	1204400	3.8	150.00	0.15	Yes
Tuesday, April 10, 2012	0.04	0.00	1204400	3.8	54.00	0.05	Yes
Wednesday, April 11, 2012	0.15	0.07	1204605	5.1	210.00	0.21	Yes
Thursday, April 12, 2012	0.08	0.01	1204605	5.1	150.00	0.15	Yes
Friday, April 13, 2012	0.04	0.00	1204605	5.1	100.00	0.10	Yes
Saturday, April 14, 2012	0.12	0.30	1204805	5.1	380.00	0.38	Yes
Sunday, April 15, 2012	0.39	0.09	1204605	5.1	350.00	0.35	Yes
Monday, April 16, 2012	0.28	0.00	1204605	5.1	100.00	0.10	Yes
Tuesday, April 17, 2012	0.00	0.00	1204878	3.4	130.00	0.13	Yes
Wednesday, April 18, 2012	0.27	0.27	1204878	3.4	200.00	0.20	Yes
Thursday, April 19, 2012	0.79	0.03	1204878	3.4	360.00	0.36	Yes
Friday, April 20, 2012	0.09	0.04	1204878	3.4	120.00	0.12	Yes
Saturday, April 21, 2012	0.08	0.09	1204878	3.4	340.00	0.34	Yes
Sunday, April 22, 2012	0.06	0.01	1204878	3.4	110.00	0.11	Yes
Monday, April 23, 2012	0.19	0.07	0	0	0.00	0.00	0.00
Tuesday, April 24, 2012	0.11	0.04	0	0	0.00	0.00	0.00
Wednesday, April 25, 2012	0.11	0.06	0	0	0.00	0.00	0.00
Thursday, April 26, 2012	0.09	0.00	0	0	0.00	0.00	0.00
Friday, April 27, 2012	0.12	0.02	0	0	0.00	0.00	0.00
Saturday, April 28, 2012	0.05	0.02	0	0	0.00	0.00	0.00
Sunday, April 29, 2012	0.02	0.03	0	0	0.00	0.00	0.00
Monday, April 30, 2012	0.00	0.00	0	0	0.00	0.00	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
	AM	PM		Sample rec'd Temp <6° C Acceptable range	Results (ppb)	> 0.5 ppm	
Thursday, March 01, 2012	0.06	0.12	1203110	2.40	88.00	0.09	Yes
Friday, March 02, 2012	0.11	0.00	1203110	2.40	97.00	0.10	Yes
Saturday, March 03, 2012	0.15	0.15	1203110	2.40	130.00	0.13	Yes
Sunday, March 04, 2012	0.09	0.12	1203110	2.40	150.00	0.15	Yes
Monday, March 05, 2012	0.10	0.19	1203371	1.50	150.00	0.15	Yes
Tuesday, March 06, 2012	0.03	0.08	1203371	1.50	120.00	0.12	Yes
Wednesday, March 07, 2012	0.07	0.16	1203371	1.50	190.00	0.19	Yes
Thursday, March 08, 2012	0.03	0.01	1203371	1.50	280.00	0.28	Yes
Friday, March 09, 2012	0.06	0.19	1203371	1.50	56.00	0.08	Yes
Saturday, March 10, 2012	0.12	0.19	1203371	1.50	130.00	0.13	Yes
Sunday, March 11, 2012	0.10	0.03	1203371	1.50	200.00	0.20	Yes
Monday, March 12, 2012	0.17	0.27	1203371	1.50	180.00	0.18	Yes
Tuesday, March 13, 2012	0.32	0.07	1203600	1.50	200.00	0.20	Yes
Wednesday, March 14, 2012	0.06	0.13	1203600	1.50	110.00	0.11	Yes
Thursday, March 15, 2012	0.12	0.28	1203764	1.30	120.00	0.12	Yes
Friday, March 16, 2012	0.20	0.33	1203764	1.30	220.00	0.22	Yes
Saturday, March 17, 2012	0.19	0.36	1203764	1.30	350.00	0.35	Yes
Sunday, March 18, 2012	0.33	0.40	1203764	1.30	480.00	0.48	Yes
Monday, March 19, 2012	0.45	0.00	1203764	1.30	ND	0.00	Yes
Tuesday, March 20, 2012	0.19	0.08	1203764	1.30	33.00	0.03	Yes
Wednesday, March 21, 2012	0.15	0.06	1203995	1.00	160.00	0.16	Yes
Thursday, March 22, 2012	0.06	0.03	1203995	1.00	65.00	0.07	Yes
Friday, March 23, 2012	0.06	0.03	1203995	1.00	67.00	0.07	Yes
Saturday, March 24, 2012	0.02	0.06	1203995	1.00	ND	0.00	Yes
Sunday, March 25, 2012	0.02	0.03	1203995	1.00	41.00	0.04	Yes
Monday, March 26, 2012	0.01	0.01	1203995	1.00	ND	0.00	Yes
Tuesday, March 27, 2012	0.03	0.04	1203995	1.00	42.00	0.04	Yes
Wednesday, March 28, 2012	0.08	0.05	1204050	1.00	120.00	0.12	Yes
Thursday, March 29, 2012	0.00	0.01	1204050	1.00	81.00	0.08	Yes
Friday, March 30, 2012	0.15	0.16	1204050	1.00	110.00	0.11	Yes
Saturday, March 31, 2012	0.05	0.09	1204050	1.00	64.00	0.06	Yes