

From: [Larsen, Thurman](#)
To: [VanHorn, Kristen, NMENV](#); [Cobrain, Dave, NMENV](#)
Cc: [Riege, Ed](#); [Johnson, Cheryl](#); [Dorsey, Alvin](#); [Morgan, Loretta](#)
Subject: MONTHLY BENZENE REPORT FOR MARCH 2012
Date: Tuesday, April 03, 2012 8:28:40 AM
Attachments: [20120403082036527.pdf](#)



Dear Kristen:

The following is the monthly benzene report for March 2012:

The monthly flow data for March 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)	93.62		
85.64	179.26		
Maximum (gpm)	115.29		
105.27	220.56		
Minimum (gpm)	32.39		
63.78	96.17		

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

	Weir Height (in)	Flow Rate (gpm)	Flow Volume
(gpd)			
Average	8.4	277.67	
399844			
Maximum	9.0	328.16	
472549			
Minimum			
7.4	199.60	287424	

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 March 2012 is 3.88 % of the crude charge rate. Therefore the monthly flow for March 2012 has an average flow of 13.0 gpm, maximum flow of 15.6 gpm, and a minimum flow of 7.2 gpm.

The attachment above is the monthly benzene results for March 2012 from Hall Environmental Laboratories. At the time of this report, Hall data has not been received for March 28th through March 31st, therefore, Hall data is pending.

During the month of March 2012, Western did not experienced any excursions. On March 19th, the stripper columns were taken offline due to routine maintenance in order to clean and to re-pack all

columns. The strippers were put back on line on March 20th . When strippers were taken off-line (March 19th), the carbon bed was placed in service during this interval. The carbon bed was taken out of service on March 20th .

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 <6° C Acceptable range	Results (ppb)	> 0.5 ppm	
Thursday, March 01, 2012	0.06	0.12	1203110.00	2.40	88.00	0.09	Yes
Friday, March 02, 2012	0.11	0.00	1203110.00	2.40	97.00	0.10	Yes
Saturday, March 03, 2012	0.15	0.15	1203110.00	2.40	130.00	0.13	Yes
Sunday, March 04, 2012	0.09	0.12	1203110.00	2.40	150.00	0.15	Yes
Monday, March 05, 2012	0.10	0.19	1203371.00	1.50	150.00	0.15	Yes
Tuesday, March 06, 2012	0.03	0.08	1203371.00	1.50	120.00	0.12	Yes
Wednesday, March 07, 2012	0.07	0.16	1203371.00	1.50	190.00	0.19	Yes
Thursday, March 08, 2012	0.03	0.01	1203371.00	1.50	280.00	0.28	Yes
Friday, March 09, 2012	0.06	0.19	1203371.00	1.50	56.00	0.06	Yes
Saturday, March 10, 2012	0.12	0.19	1203371.00	1.50	130.00	0.13	Yes
Sunday, March 11, 2012	0.10	0.03	1203371.00	1.50	200.00	0.20	Yes
Monday, March 12, 2012	0.17	0.27	1203371.00	1.50	180.00	0.18	Yes
Tuesday, March 13, 2012	0.32	0.07	1203600.00	1.50	200.00	0.20	Yes
Wednesday, March 14, 2012	0.06	0.13	1203600.00	1.50	110.00	0.11	Yes
Thursday, March 15, 2012	0.12	0.28	1203764.00	1.30	120.00	0.12	Yes
Friday, March 16, 2012	0.20	0.33	1203764.00	1.30	220.00	0.22	Yes
Saturday, March 17, 2012	0.19	0.36	1203764.00	1.30	350.00	0.35	Yes
Sunday, March 18, 2012	0.33	0.40	1203764.00	1.30	480.00	0.48	Yes
Monday, March 19, 2012	0.45	0.00	1203764.00	1.30	ND	0.00	Yes
Tuesday, March 20, 2012	0.19	0.08	1203764.00	1.30	33.00	0.03	Yes
Wednesday, March 21, 2012	0.15	0.06	1203995.00	1.00	160.00	0.16	Yes
Thursday, March 22, 2012	0.06	0.03	1203995.00	1.00	65.00	0.07	Yes
Friday, March 23, 2012	0.06	0.03	1203995.00	1.00	67.00	0.07	Yes
Saturday, March 24, 2012	0.02	0.06	1203995.00	1.00	ND	0.00	Yes
Sunday, March 25, 2012	0.02	0.03	1203995.00	1.00	41.00	0.04	Yes
Monday, March 26, 2012	0.01	0.01	1203995.00	1.00	ND	0.00	Yes
Tuesday, March 27, 2012	0.03	0.04	1203995.00	1.00	42.00	0.04	Yes
Wednesday, March 28, 2012	0.06	0.05	0.00	0.00	0.00	0.00	0.00
Thursday, March 29, 2012	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Friday, March 30, 2012	0.15	0.16	0.00	0.00	0.00	0.00	0.00
Saturday, March 31, 2012	0.05	0.09	0.00	0.00	0.00	0.00	0.00