

VanHorn, Kristen, NMENV

**From:** Larsen, Thurman [Thurman.Larsen@wnr.com]  
**Sent:** Tuesday, September 06, 2011 11:49 AM  
**To:** VanHorn, Kristen, NMENV; Chavez, Carl J, EMNRD; Cobrain, Dave, NMENV  
**Cc:** Riege, Ed; Dorsey, Alvin; Johnson, Cheryl  
**Subject:** MONTHLY BENZENE REPORT FOR AUGUST 2011  
**Attachments:** Benzene Results for EPA. Original.xls

Dear Kristen;

The following is the monthly benzene report for August 2011:

The monthly flow data for August 2011 through the **(N-S) Benzene Strippers to AL-1** is summarized as follows:

	<b>N-Stripper</b>	<b>S-Stripper</b>	<b>Total Flow (gpm)</b>
Average (gpm)	71.71	133.01	204.72
Maximum (gpm)	122.63	155.89	278.51
Minimum (gpm)	9.77	63.02	72.97

The monthly flow data for August 2011 from **AL-2 to EP-1** is summarized as follows:

	<b>Weir Height (in)</b>	<b>Flow Rate (gpm)</b>	<b>Flow Volume (gpd)</b>
Average	8.6	297.9	428937
Maximum	9.0	332.1	478191
Minimum	7.0	169.4	243971

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

The desalter effluent is routed through the benzene stripper #3. The desalter effluent for August averaged 2.23% of the crude charge rate. Therefore the monthly flow volumes for August has an average flow of 8.90 gpm, a maximum flow of 11.76 gpm, and a minimum flow of 4.67 gpm.

The attached is the monthly benzene results from Hall Environmental Laboratory from August 1 through August 29, 2011. Hall Laboratory data for August 30 and August 31 is pending due the Labor Day weekend. An updated report will be submitted upon receipt of analysis from Hall Laboratory.

Sincerely,

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; <b>FAILED</b> >0.5
	AM	PM		Sample rec'd Temp <6° C Acceptable range	Results (ppb)	> 0.5 ppm	
Monday, August 01, 2011	0.00	0.00	1108025	3.40	ND	0.00	Yes
Tuesday, August 02, 2011	0.00	0.00	1108249	4.90	ND	0.00	Yes
Wednesday, August 03, 2011	0.00	0.00	1108249	4.90	100.00	0.10	Yes
Thursday, August 04, 2011	0.00	0.00	1108249	4.90	54.00	0.05	Yes
Friday, August 05, 2011	0.00	0.04	1108281	3.50	140.00	0.14	Yes
Saturday, August 06, 2011	0.00	0.00	1108281	3.50	110.00	0.11	Yes
Sunday, August 07, 2011	0.04	0.00	1108281	3.50	94.00	0.09	Yes
Monday, August 08, 2011	0.00	0.00	1108281	3.50	170.00	0.17	Yes
Tuesday, August 09, 2011	0.00	0.00	1108535	3.80	64.00	0.06	Yes
Wednesday, August 10, 2011	0.00	0.02	1108535	3.80	87.00	0.09	Yes
Thursday, August 11, 2011	0.00	0.00	1108535	3.80	110.00	0.11	Yes
Friday, August 12, 2011	0.01	0.00	1108582	3.90	68.00	0.07	Yes
Saturday, August 13, 2011	0.03	0.00	1108582	3.90	170.00	0.17	Yes
Sunday, August 14, 2011	0.00	0.04	1108582	3.90	93.00	0.09	Yes
Monday, August 15, 2011	0.02	0.07	1108582	3.90	66.00	0.07	Yes
Tuesday, August 16, 2011	0.00	0.02	1108805	1.00	87.00	0.09	Yes
Wednesday, August 17, 2011	0.10	0.19	1108805	1.00	130.00	0.13	Yes
Thursday, August 18, 2011	0.00	0.00	1108805	1.00	ND	0.00	Yes
Friday, August 19, 2011	0.00	0.00	1108890	3.40	78.00	0.08	Yes
Saturday, August 20, 2011	0.00	0.00	1108890	3.40	67.00	0.07	Yes
Sunday, August 21, 2011	0.02	0.00	1108890	3.40	110.00	0.11	Yes
Monday, August 22, 2011	0.12	0.00	1108890	3.40	170.00	0.17	Yes
Tuesday, August 23, 2011	0.02	0.00	1108A68	1.90	170.00	0.17	Yes
Wednesday, August 24, 2011	0.00	0.03	1108A68	1.90	55.00	0.06	Yes
Thursday, August 25, 2011	0.00	0.04	1108A68	1.90	77.00	0.08	Yes
Friday, August 26, 2011	14.40	0.00	1108B16	3.40	ND	0.00	Yes
Saturday, August 27, 2011	10.77	0.00	1108B16	3.40	150.00	0.15	Yes
Sunday, August 28, 2011	0.00	0.00	1108B16	3.40	170.00	0.17	Yes
Monday, August 29, 2011	0.00	0.26	1108B16	3.40	200.00	0.20	Yes
Tuesday, August 30, 2011	0.12	0.36	0	0.00	0.00	0.00	Yes
Wednesday, August 31, 2011	No Data	0.01	0	0.00	0.00	0.00	Yes