

VanHorn, Kristen, NMENV

Monthly Benzene report

**From:** Larsen, Thurman [Thurman.Larsen@wnr.com]  
**Sent:** Tuesday, July 05, 2011 8:45 AM  
**To:** VanHorn, Kristen, NMENV; Chavez, Carl J, EMNRD; Cobrain, Dave, NMENV  
**Cc:** Riege, Ed; Dorsey, Alvin; Johnson, Cheryl; Tso, Janice  
**Subject:** MONTHLY BENZENE RESULTS for JUNE 2011  
**Attachments:** 20110705082556080.pdf

Dear Kristen,

The following is the monthly benzene report for June 2011:

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

	N-Stripper (gpm)	S-Stripper	Total Flow (gpm)
<b>Average (gpm)</b>	54.9	86.6	141.5
<b>Maximum (gpm)</b>	88.1	164.5	252.5
<b>Minimum (gpm)</b>	7.5	17.9	25.4

The monthly flow data for June 2011 from AL-2 to EP1 is summarized as follows:

	Weir Height (in)	Flow Rate (gpm)	Flow Volume (gpd)
<b>Average</b>	8.1	258.6	372450
<b>Maximum</b>	9.0	328.2	472549
<b>Minimum</b>	5.7	100.0	143945

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 June 2011 is 3.61% average of the crude charge rate. Therefore, the monthly flow for June has an average flow of 13.7 gpm, a maximum of 16.2 gpm, and a minimum of 11.8 gpm.

The attachment above is the monthly benzene results from Hall Environmental Laboratories from June 1 to June 23, 2011. Notice that no samples were collected on June 7 due to API effluent being diverted to T-35. The north and south strippers were down for maintenance in order to change out the benzene packing and water wash the trays on the #4 benzene stripper.

Regards,  
 Beck Larsen; CHMM, REM, RPG  
 Environmental Engineer

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## Larsen, Thurman

From: Dorsey, Alvin  
 Sent: Tuesday, July 05, 2011 8:10 AM  
 To: Larsen, Thurman  
 Cc: Tso, Janice  
 Subject: BZ Hall Results update 06-01-11 thru 06-23-11

## BENZENE STRIPPER - API 1 &amp; 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 <5° C Acceptable range	Results (ppb)	> 0.5 ppm	
Wednesday, June 01, 2011	0.30	0.41	1106130	3.80	390.00	0.39	Yes
Thursday, June 02, 2011	0.39	0.13	1106130	3.80	460.00	0.46	Yes
Friday, June 03, 2011	0.23	0.38	1106198	3.70	290.00	0.29	Yes
Saturday, June 04, 2011	0.08	0.26	1106198	3.70	320.00	0.32	Yes
Sunday, June 05, 2011	0.30	0.47	1106198	3.70	340.00	0.34	Yes
Monday, June 06, 2011	0.07	0.19	1106198	3.70	250.00	0.25	Yes
Tuesday, June 07, 2011	No Data	No Data	1106417	2.80	No Samples Collected; Water diverted to T-35	No Samples Collected; Water diverted to T-35	No Samples Collected; Water diverted to T-35
Wednesday, June 08, 2011	No Data	No Data	1106417	2.80	130.00	0.13	Yes
Thursday, June 09, 2011	0.00	0.20	1106417	2.80	63.00	0.06	Yes
Friday, June 10, 2011	0.00	No Data	1106555	1.60	ND	0.00	Yes
Saturday, June 11, 2011	0.00	0.00	1106555	1.60	ND	0.00	Yes
Sunday, June 12, 2011	0.00	0.05	1106555	1.60	ND	0.00	Yes
Monday, June 13, 2011	0.00	0.00	1106555	1.60	56.00	0.06	Yes
Tuesday, June 14, 2011	No Data	No Data	1106751.00	1.70	170.00	0.17	Yes
Wednesday, June 15, 2011	0.00	0.00	1106751.00	1.70	ND	0.00	Yes
Thursday, June 16, 2011	0.00	0.00	1106751.00	1.70	56.00	0.06	Yes
Friday, June 17, 2011	0.00	0.00	1106833.00	3.40	ND	0.00	Yes
Saturday, June 18, 2011	0.00	0.00	1106833.00	3.40	ND	0.00	Yes
Sunday, June 19, 2011	0.00	0.00	1106833.00	3.40	ND	0.00	Yes
Monday, June 20, 2011	0.00	0.00	1106833.00	3.40	ND	0.00	Yes
Tuesday, June 21, 2011	1.51	0.02	1106A16	2.40	170.00	0.17	Yes
Wednesday, June 22, 2011	0.00	0.00	1106A16	2.40	ND	0.00	Yes
Thursday, June 23, 2011	0.00	0.00	1106A16	2.40	ND	0.00	Yes
Friday, June 24, 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Saturday, June 25, 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sunday, June 26, 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monday, June 27, 2011	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Tuesday, June 28, 2011	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Wednesday, June 29, 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thursday, June 30, 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Alvin Dorsey

7/5/2011