

VanHorn, Kristen, NMENV

monthly benzene report

From: Larsen, Thurman [Thurman.Larsen@wnr.com]
Sent: Friday, June 03, 2011 3:32 PM
To: VanHorn, Kristen, NMENV; Monzeglio, Hope, NMENV; Cobrain, Dave, NMENV; Chavez, Carl J, EMNRD
Cc: Riege, Ed; Dorsey, Alvin; Johnson, Cheryl; Tso, Janice
Subject: MONTHLY BENZENE REPORT for MAY 2011
Attachments: Benzene Results for EPA. Original.xls

Dear Kristen,

The following is the Monthly Benzene Report for May 2011:

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

	N Stripper (gpm)	S Stripper (gpm)	Total Flow (gpm)
Average (gpm)	82.95	114.86	197.82
Maximum (gpm)	104.23	141.37	245.60
Minimum (gpm)	50.93	71.77	122.70

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

	Weir Height (in)	Flow Rate (gpm)	Monthly Flow (gpd)
Average	8.48	283.90	408817
Maximum	9.10	337.61	486158
Minimum	6.58	146.95	211601

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 May 2011 is 3.33% average of the crude charge rate. Therefore, the monthly flow for May 2011 has an average flow of 11.5 gpm, a maximum of 14.2 gpm, and a minimum of 7.2 gpm.

The attachment above is the monthly benzene results from Hall Environmental Laboratory for May 2011. Western had eleven exceedances for the month of May that were greater than 0.5 ppm. Five of these exceedances may have been contributed to the Flare Knockout Drum and Turnaround activities; the other six are under investigation.

Respectfully,

Beck Larsen; CHMM, REM, RPG
 Environmental Engineer

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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	
Sunday, May 01, 2011	0.17	0.13	1105018	3.2	310.0	0.3	Yes
Monday, May 02, 2011	0.47	0.04	1105018	3.2	380.0	0.4	Yes
Tuesday, May 03, 2011	0.07	0.32	1105290	5.0	200.0	0.2	Yes
Wednesday, May 04, 2011	0.34	0.24	1105290	5.0	450.0	0.5	Yes
Thursday, May 05, 2011	0.32	0.45	1105290	5.0	520.0	0.5	Failed
Friday, May 06, 2011	0.37	0.25	1105353	1.0	550.0	0.6	Failed
Saturday, May 07, 2011	0.06	0.38	1105353	1.0	430.0	0.4	Yes
Sunday, May 08, 2011	0.26	0.08	1105353	1.0	690.0	0.7	Failed
Monday, May 09, 2011	0.11	0.12	1105353	1.0	530.0	0.5	Failed
Tuesday, May 10, 2011	0.15	0.31	1105566	3.8	340.0	0.3	Yes
Wednesday, May 11, 2011	0.15	0.35	1105566	3.8	360.0	0.4	Yes
Thursday, May 12, 2011	0.37	0.16	1105645	2.3	290.0	0.3	Yes
Friday, May 13, 2011	0.26	0.26	1105645	2.3	220.0	0.2	Yes
Saturday, May 14, 2011	0.13	0.07	1105645	2.3	190.0	0.2	Yes
Sunday, May 15, 2011	0.47	0.47	1105645	2.3	640.0	0.6	Failed
Monday, May 16, 2011	0.16	0.04	1105645	2.3	220.0	0.2	Yes
Tuesday, May 17, 2011	0.35	0.17	1105806	1.4	420.0	0.4	Yes
Wednesday, May 18, 2011	0.27	0.00	1105806	1.4	350.0	0.4	Yes
Thursday, May 19, 2011	0.27	0.25	1105806	1.4	290.0	0.3	Yes
Friday, May 20, 2011	0.15	0.45	1105854	1.3	319.0	0.3	Yes
Saturday, May 21, 2011	0.00	0.00	1105854	1.3	480.0	0.5	Yes
Sunday, May 22, 2011	0.25	0.32	1105854	1.3	590.0	0.6	Failed
Monday, May 23, 2011	0.08	0.40	1105854	1.3	280.0	0.3	Yes
Tuesday, May 24, 2011	0.31	0.12	1105A19	1.0	730.0	0.7	Failed
Wednesday, May 25, 2011	0.11	0.29	1105A19	1.0	770.0	0.8	Failed
Thursday, May 26, 2011	0.24	0.43	1105A19	1.0	760.0	0.8	Failed
Friday, May 27, 2011	0.16	0.47	1105A66	3.0	660.0	0.7	Failed
Saturday, May 28, 2011	0.32	0.25	1105A66	3.0	840.0	0.8	Failed
Sunday, May 29, 2011	0.08	0.08	1105A66	3.0	130.0	0.1	Yes
Monday, May 30, 2011	0.15	0.08	1105A66	3.0	260.0	0.3	Yes
Tuesday, May 31, 2011	0.27	0.09	1105A66	3.0	390.0	0.4	Yes