

VanHorn, Kristen, NMENV

monthly benzene report

From: Larsen, Thurman [Thurman.Larsen@wnr.com]
Sent: Thursday, February 03, 2011 4:40 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 JANUARY 2011
Attachments: 20110203161318033.pdf

Dear Kristen, Hope, et al;

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

	North Stripper (gpm)	South Stripper (gpm)	Total Flow (gpm)
Average	69.24	88.61	157.85
Maximum	218.84	292.44	511.28
Minimum	11.66	13.64	25.30

The monthly flow data (January 2011) from AL-2 to EP-1 is summarized as follows:

	Weir Height (in)	Flow Rate (gpm)	Monthly Flow (gpd)
Average	7.68	224.13	322740.26
Maximum	8.58	290.53	418359.76
Minimum	5.00	72.47	104357.65

Benzene Stripper #3 is located in the process area. The monthly flow volume is determined as follows: The desalter effluent is routed through the stripper. The desalter effluent for January 2011 is 3.4% average of the crude charge rate. Therefore, the monthly flow for January 2011 has an average flow of 12.7 gpm, a maximum flow of 20.9 gpm, and a minimum flow of 2.8 gpm.

The above attachment is the monthly benzene results from Hall Environmental Laboratories for the month of January 2011.

Western Refining is continuing the daily sampling of benzene. Diversionary tank (T-35) was put into service on January 15 at 1430 hrs. Please note that a benzene sample was not collected on January 28 because due to foaming issues no flow was going through the North and South Benzene Strippers but instead was diverted to the newly constructed diversionary tank (T-35) until the problem was resolved. We had two benzene failures due to extreme cold weather and 6 benzene failures due to mechanical malfunctions (or maintenance issues) related to the benzene strippers.

If you should require any additional information, please contact me at the number listed below.

Sincerely,

Beck Larsen; CHMM, REM, RPG
 Environmental Engineer

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BENZENE STRIPPER - API 1 & 2 OUTLET

Date Sample Taken	Hall Rec'd Temp 6° C (C°)	Hall Sample ID	Hall Environmental Lab Data Benzene Results (ppm)			Results in Compliance < 0.5 ppm Yes; FAILED >0.5
			Sample rec'd Temp <6° C Acceptable range	Results (ppb)	> 0.5 ppm	
Saturday, January 01, 2011	2.6	1101022	2.6	970.0	0.97	Failed
Sunday, January 02, 2011	2.6	1101022	2.6	1500.0	1.50	Failed
Monday, January 03, 2011	2.6	1101022	2.6	280.0	0.28	Yes
Tuesday, January 04, 2011	4.5	1101164	4.5	200.0	0.20	Yes
Wednesday, January 05, 2011	3.2	1101211	3.2	150.0	0.15	Yes
Thursday, January 06, 2011	3.2	1101211	3.2	81.0	0.08	Yes
Friday, January 07, 2011	1.3	1101265	1.3	220.0	0.22	Yes
Saturday, January 08, 2011	1.3	1101265	1.3	68.0	0.07	Yes
Sunday, January 09, 2011	1.3	1101265	1.3	140.0	0.14	Yes
Monday, January 10, 2011	1.3	1101265	1.3	80.0	0.08	Yes
Tuesday, January 11, 2011	4.7	1101376	4.7	200.0	0.20	Yes
Wednesday, January 12, 2011	2.2	1101433	2.2	22000.0	22.00	Failed
Thursday, January 13, 2011	2.2	1101433	2.2	310.0	0.31	Yes
Friday, January 14, 2011	4.4	1101468	4.4	78.0	0.08	Yes
Saturday, January 15, 2011	4.4	1101468	4.4	1100.0	1.10	Failed
Sunday, January 16, 2011	4.4	1101468	4.4	330.0	0.33	Yes
Monday, January 17, 2011	3.6	1101544	3.6	620.0	0.62	Failed
Monday, January 17, 2011	4.4	1101468	4.4	600.0	0.60	Failed
Tuesday, January 18, 2011	3.6	1101544	3.6	460.0	0.46	Yes
Wednesday, January 19, 2011	4.7	1101606	4.7	ND	0.00	Yes
Thursday, January 20, 2011	3.1	1101712	3.1	370.0	0.37	Yes
Friday, January 21, 2011	3.1	1101712	3.1	ND	0.00	Yes
Saturday, January 22, 2011	3.1	1101712	3.1	58.0	0.06	Yes
Sunday, January 23, 2011	3.1	1101712	3.1	ND	0.00	Yes
Monday, January 24, 2011	0.0	1101847	3.3	ND	0.00	Yes
Tuesday, January 25, 2011	0.0	1101847	3.3	ND	0.00	Yes
Wednesday, January 26, 2011	0.0	1101870	1.6	590.0	0.59	Failed
Thursday, January 27, 2011	0.0	1101870	1.6	570.0	0.57	Failed
Friday, January 28, 2011	0.0	None	N/A		0.00	Yes
Saturday, January 29, 2011	0.0	1109935	3.4	53.0	0.05	Yes
Sunday, January 30, 2011	0.0	1109935	3.4	62.0	0.06	Yes
Monday, January 31, 2011	0.0	1109935	3.4	ND	0.00	Yes