

VanHorn, Kristen, NMENV

monthly benzene report

From: Larsen, Thurman [Thurman.Larsen@wnr.com]
Sent: Tuesday, May 03, 2011 2:33 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 REPOIRT for APRIL 2011- CONSIDERATION for "REDUCED SAMPLIN REQUEST"
Attachments: HALL BNZ RESULTS-APRIL 2011.xls

Dear Kristen, Hope, et all;

The monthly flow data for April 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)	75.74	100.38	176.11
Maximum (gpm)	114.73	145.70	260.43
Minimum (gpm)	18.31	56.33	74.64

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

	Weir Height (in)	Flow Rate (gpm)	Monthly Flow (gpd)
Average	7.85	234.62	337847.86
Maximum	9.04	332.08	478190.96
Minimum	6.42	137.58	198108.25

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 April 2011 is 3.32% average of the crude charge rate. Therefore, the monthly flow for April 2011 has an average flow of 12.9 gpm, a maximum of 15.8 gpm, and a minimum of 5.1 gpm.

The above attachment is the monthly benzene results from Hall Environmental Laboratory through April 28, 2011. No exceedance was encountered until April 28. Western is continuing on a daily collection of benzene sampling. The diversionary tank (T-35) was put in service in January 2011. The tank has been in operation during the month of April 2011. The last benzene exceedance was encountered on February 23, 2011. Since that event (64 days) has elapsed and Western Refining has not encountered another benzene exceedance > 0.5 ppm limit. An e-mail (letter) was submitted to the Agency requesting for the Agency to consider a "Reduced Sampling Frequency Schedule". As of the date of this report, Western Refining is once again asking for the Agency to consider a "Reduced Sampling Schedule" for benzene.

Respectfully,

Beck Larsen; CHMM, REM, RPG
 Environmental Engineer

Western Refining Company- Gallup Refinery
 Route 3, Box 7
 Gallup, NM 87301
 Office:(505) 722-0258
 Fax: (505) 722-0210
 Cell: (505) 862-1749
 Email: thurman.larsen@wnr.com

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	Comments
	AM	PM		Sample rec'd Temp <6° C Acceptable range	Results (ppb)	> 0.5 ppm		
Friday, April 01, 2011	0.30	0.22	1104054	2.0	180.0	0.18	Yes	
Saturday, April 02, 2011	0.26	0.18	1104054	2.0	150.0	0.15	Yes	
Sunday, April 03, 2011	0.21	0.20	1104054	2.0	98.0	0.10	Yes	
Monday, April 04, 2011	0.00	0.55	1104054	2.0	95.0	0.10	Yes	
Tuesday, April 05, 2011	0.00	0.11	1104357	3.2	74.0	0.07	Yes	
Wednesday, April 06, 2011	0.00	0.11	1104357	3.2	66.0	0.07	Yes	
Thursday, April 07, 2011	0.35	0.23	1104357	3.2	260.0	0.26	Yes	
Friday, April 08, 2011	0.30	0.30	1104421	4.6	110.0	0.11	Yes	
Saturday, April 09, 2011	0.00	0.39	1104421	4.6	110.0	0.11	Yes	
Sunday, April 10, 2011	0.00	0.37	1104421	4.6	110.0	0.11	Yes	
Monday, April 11, 2011	0.36	0.27	1104607	1.3	100.0	0.10	Yes	
Tuesday, April 12, 2011	0.00	0.56	1104607	1.3	82.0	0.08	Yes	
Wednesday, April 13, 2011	0.00	No Data	1104607	1.3	76.0	0.08	Yes	
Thursday, April 14, 2011	0.00	0.00	1104607	1.3	ND	0.00	Yes	
Friday, April 15, 2011	0.00	0.00	1104645	3.4	No Samples Collected; Water diverted to T-35			No Sample Collected; Strippers down for repl inlet valve on API; Water diverted to T-35
Saturday, April 16, 2011	0.05	0.00	1104645	3.4	98.0	0.10	Yes	
Sunday, April 17, 2011	0.00	0.00	1104645	3.4	60.0	0.06	Yes	
Monday, April 18, 2011	0.00	0.00	1104645	3.4	90.0	0.09	Yes	
Tuesday, April 19, 2011	0.19	0.00	1104862	1.3	94.0	0.09	Yes	
Wednesday, April 20, 2011	0.00	0.05	1104862	1.3	83.0	0.08	Yes	
Thursday, April 21, 2011	0.00	0.09	1104862	1.3	120.0	0.12	Yes	
Friday, April 22, 2011	0.03	0.00	1104890	3.3	110.0	0.11	Yes	
Saturday, April 23, 2011	9.10	0.00	1104890	3.3	160.0	0.16	Yes	
Sunday, April 24, 2011	0.00	0.00	1104890	3.3	59.0	0.06	Yes	
Monday, April 25, 2011	0.00	0.00	1104890	3.3	59.0	0.06	Yes	
Tuesday, April 26, 2011	0.00	0.01	1104A42	1.6	130.0	0.13	Yes	
Wednesday, April 27, 2011	0.00	0.01	1104A42	1.6	120.0	0.12	Yes	
Thursday, April 28, 2011	0.00		1104A42	1.6	120.0	0.12	Yes	
Friday, April 29, 2011								
Saturday, April 30, 2011								

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