Gothy ENTERED Jan 2011

monthly benzene report

VanHorn, Kristen, NMENV

From: Larsen, Thurman [Thurman.Larsen@wnr.com]
Sent: Wednesday, January 05, 2011 1:08 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 DECEMBER 2010
Attachments: DECEMBER 2010 BNZ DATA.pdf

Dear Kristen and Hope;

The above attachment is the monthly Benzene results from Hall Laboratories.

The monthly flow data for December 2010 from the (N-S) Benzene Strippers to AL-1 is summarized as follows:

	North stripper (gpm)	**South Stripper (gpm)**	**Total Flow (gpm)**
Average	69.52	82.33	151.85
Maximum	192.94	222.26	415.20
Minimum	18.18	12.79	30.97

The monthly flow data (December 2010) from AL-2 to EP-1 is summarized as follows:

	Weir Height (in)	Flow Rate (gpm)	Monthly Flow (GPD)
Average	8.22	260.31	374853
Maximum	8.54	286.92	413161
Minimum	7.63	214.33	308629

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 December 2010 is approximately 3.5% average of the crude charge rate. Therefore, the monthly flow for December 2010 has an average flow of 13.1 gpm, a maximum flow of 15.5 gpm, and a minimum flow of 3.7 gpm.

Western Refining is continuing the daily sampling for benzene. According with the attachment above, Western has had no excursions during the month of December 2010. The last exceedance occurred on November 28, 2010.

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

Sincerely,

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

Benzene Stripper In Process - Outlet: API-1-2

Pdf #	Date Sampled	Non Detect <0.01	Hall Results	Units	BZ Hall/1000	Units
1012091	1-Dec-10		45	ppb	0.045	ppm
1012141	2-Dec-10	ND	0	ppb	0	ppm
1012181	3-Dec-10		64	ppb	0.064	ppm
1012181	4-Dec-10		220	ppb	0.22	ppm
1012181	5-Dec-10		51	ppb	0.051	ppm
1012181	6-Dec-10		83	ppb	0.083	ppm
1012292	7-Dec-10	ND	0	ppb	0	ppm
1012420	8-Dec-10	ND	0	ppb	0	ppm
1012416	9-Dec-10	ND	0	ppb	0	ppm
1012455	10-Dec-10		76	ppb	0.076	ppm
1012455	11-Dec-10		39	ppb	0.039	ppm
1012455	12-Dec-10		170	ppb	0.17	ppm
1012455	13-Dec-10		55	ppb	0.055	ppm
1012688	14-Dec-10	ND	0	ppb	0	ppm
1012688	15-Dec-10	ND	0	ppb	0	ppm
1012732	16-Dec-10	ND	0	ppb	0	ppm
1012716	17-Dec-10	ND	0	ppb	0	ppm
1012716	18-Dec-10	ND	0	ppb	0	ppm
1012716	19-Dec-10	ND	0	ppb	0	ppm
1012716	20-Dec-10	ND	0	ppb	0	ppm
1012870	21-Dec-10	ND	0	ppb	0	ppm
1012870	22-Dec-10	ND	0	ppb	0	ppm
1012896	23-Dec-10	ND	0	ppb	0	ppm
1012896	24-Dec-10	ND	0	ppb	0	ppm
1012896	25-Dec-10	ND	0	ppb	0	ppm
1012896	26-Dec-10	ND	0	ppb	0	ppm
1012896	27-Dec-10	ND	0	ppb	0	ppm
1012967	28-Dec-10		230	ppb	0.23	ppm
1012967	29-Dec-10		140	ppb	0.14	ppm
1101022	30-Dec-10		150	ppb	0.15	ppm
1101022	31-Dec-10		390	ppb	0.39	ppm
AVERAGE			**55.26**	ppb	**0.055**	ppm
MAXIMUM			**390**	ppb	**0.39**	ppm

Benzene Stripper In Process - Outlet: API-1-2

Date Sampled	BZ Hall/1000	Units
1-Dec-10	0.045	ppm
2-Dec-10	0	ppm
3-Dec-10	0.064	ppm
4-Dec-10	0.22	ppm
5-Dec-10	0.051	ppm
6-Dec-10	0.083	ppm
7-Dec-10	0	ppm
8-Dec-10	0	ppm
9-Dec-10	0	ppm
10-Dec-10	0.076	ppm
11-Dec-10	0.039	ppm
12-Dec-10	0.17	ppm
13-Dec-10	0.055	ppm
14-Dec-10	0	ppm
15-Dec-10	0	ppm
16-Dec-10	0	ppm
17-Dec-10	0	ppm
18-Dec-10	0	ppm
19-Dec-10	0	ppm
20-Dec-10	0	ppm
21-Dec-10	0	ppm
22-Dec-10	0	ppm
23-Dec-10	0	ppm
24-Dec-10	0	ppm
25-Dec-10	0	ppm
26-Dec-10	0	ppm
27-Dec-10	0	ppm
28-Dec-10	0.23	ppm
29-Dec-10	0.14	ppm
30-Dec-10	0.15	ppm
31-Dec-10	0.39	ppm

VanHorn, Kristen, NMENV

From: Larsen, Thurman [Thurman.Larsen@wnr.com]
Sent: Friday, January 07, 2011 9:54 AM
To: VanHorn, Kristen, NMENV; Monzeglio, Hope, NMENV; Cobrain, Dave, NMENV; Chavez, Carl J, EMNRD
Cc: Riege, Ed; Dorsey, Alvin; Tso, Janice; Johnson, Cheryl
Subject: MONTHLY BENZENE REPORT for DECEMBER 2010 (CORRECTED DATA)
Attachments: HALL DATA-DECEMBER 2010.xls

Dear Kristen et all;

The following is a corrected version of the Hall Benzene Data table for December 2010. Sorry for any inconvenience that this may have caused.

Regards,

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

From: VanHorn, Kristen, NMENV [mailto:Kristen.VanHorn@state.nm.us]
Sent: Thursday, January 06, 2011 9:13 AM
To: Larsen, Thurman
Subject: RE: MONTHLY BENZENE REPORT for DECEMBER 2010

Beck,
Just an FYI, the data in the attached table (of your email) do not match up to the data in the lab reports NMED received from Hall. Also, December 1st there was an exceedence of benzene (660 ppb).

Kristen Van Horn
NMED Hazardous Waste Bureau
2905 Rodeo Park Drive East Building 1
Santa Fe, NM 87505
Phone: 505-476-6046

From: Larsen, Thurman [mailto:Thurman.Larsen@wnr.com]
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To: VanHorn, Kristen, NMENV; Monzeglio, Hope, NMENV; Cobrain, Dave, NMENV; Chavez, Carl J, EMNRD
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Sincerely,

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Environmental Engineer

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DECEMBER 2010 BENZENE DATA (CORRECTED)

Pdf #	Date Sampled	Non Detect <0.01	Hall Results	Units	BZ Hall/1000	Units
1012091	1-Dec-10		660	ppb	0.66	ppm
1012141	2-Dec-10		30	ppb	0.03	ppm
1012181	3-Dec-10		64	ppb	0.064	ppm
1012181	4-Dec-10		220	ppb	0.22	ppm
1012181	5-Dec-10		51	ppb	0.051	ppm
1012181	6-Dec-10		83	ppb	0.083	ppm
1012292	7-Dec-10		110	ppb	0.11	ppm
1012420	8-Dec-10		270	ppb	0.27	ppm
1012416	9-Dec-10		110	ppb	0.11	ppm
1012455	10-Dec-10		76	ppb	0.076	ppm
1012455	11-Dec-10		39	ppb	0.039	ppm
1012455	12-Dec-10		170	ppb	0.17	ppm
1012455	13-Dec-10		55	ppb	0.055	ppm
1012688	14-Dec-10		490	ppb	0.49	ppm
1012688	15-Dec-10		100	ppb	0.1	ppm
1012732	16-Dec-10		230	ppb	0.23	ppm
1012716	17-Dec-10		250	ppb	0.25	ppm
1012716	18-Dec-10	ND	0	ppb	0	ppm
1012716	19-Dec-10		10	ppb	0.01	ppm
1012716	20-Dec-10		61	ppb	0.061	ppm
1012870	21-Dec-10		58	ppb	0.058	ppm
1012870	22-Dec-10		67	ppb	0.067	ppm
1012896	23-Dec-10		220	ppb	0.22	ppm
1012896	24-Dec-10		56	ppb	0.056	ppm
1012896	25-Dec-10	ND	0	ppb	0	ppm
1012896	26-Dec-10		130	ppb	0.13	ppm
1012896	27-Dec-10		110	ppb	0.11	ppm
1012967	28-Dec-10		230	ppb	0.23	ppm
1012967	29-Dec-10		140	ppb	0.14	ppm
1101022	30-Dec-10		150	ppb	0.15	ppm
1101022	31-Dec-10		390	ppb	0.39	ppm
AVERAGE			**149.35**	ppb	**0.149**	ppm
MAXIMUM			**660**	ppb	**0.66**	ppm