

Group

Nov 2010

Benzene stripper data

VanHorn, Kristen, NMENV

From: Larsen, Thurman [Thurman.Larsen@wnr.com]
Sent: Thursday, November 04, 2010 4:27 PM
To: Van Horn, Kristen, NMENV
Cc: Monzeglio, Hope, NMENV; Cobrain, Dave, NMENV; Riege, Ed
Subject: OCTOBER 2010 BENZENE REPORT and REQUEST for REDUCED SAMPLING SCHEDULE



Dear Kristen and Hope,

The monthly flow data for October 2010 from the North-South (N-S_ Benzene Strippers to AL-1 is summarized as follows:

	North Stripper (gpm)	South Stripper (gpm)	Average (gpm)
AVERAGE	76.92	95.35	172.27
MAXIMUM	174.19	205.87	380.06
MINIMUM	20.94	15.48	36.42

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

	Weir Height (inches)	Flow Rate (gpm)	Flow Rate (GPD)
Average	7.70	219.95	316727
Maximum	8.21	259.02	372992
Minimum	7.00	172.04	247742

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 October 2010 is approximately 3.9% average of the crude charge. Therefore, the monthly flow of October has an average flow of 14.9 gpm, Maximum flow (15.7 gpm), and Minimum flow (10.7 gpm).



Pdf #	Date Sampled	Non Detect	Hall Results	BZ Hall/1000
		<0.01	Units	Units

1010146	1-Oct-10		100 <i>ppb</i>	0.1 <i>ppm</i>
1010146	2-Oct-10		26 <i>ppb</i>	0.026 <i>ppm</i>
1010146	3-Oct-10		28 <i>ppb</i>	0.028 <i>ppm</i>
1010146	4-Oct-10		34 <i>ppb</i>	0.034 <i>ppm</i>
1010336	5-Oct-10		47 <i>ppb</i>	0.047 <i>ppm</i>
1010336	6-Oct-10		120 <i>ppb</i>	0.12 <i>ppm</i>
1010336	7-Oct-10		35 <i>ppb</i>	0.035 <i>ppm</i>
1010461	8-Oct-10		52 <i>ppb</i>	0.052 <i>ppm</i>
1010461	9-Oct-10		22 <i>ppb</i>	0.022 <i>ppm</i>
1010461	10-Oct-10		28 <i>ppb</i>	0.028 <i>ppm</i>

1010461	11-Oct-10		31	ppb	0.031	ppm
1010559	12-Oct-10		20	ppb	0.02	ppm
1010623	13-Oct-10		11	ppb	0.011	ppm
1010680	14-Oct-10	ND	0	ppb	0	ppm
1010737	15-Oct-10		43	ppb	0.043	ppm
1010737	16-Oct-10		50	ppb	0.05	ppm
1010737	17-Oct-10		73	ppb	0.073	ppm
1010737	18-Oct-10		250	ppb	0.25	ppm
1010850	19-Oct-10		42	ppb	0.042	ppm
1010916	20-Oct-10		34	ppb	0.034	ppm
1010986	21-Oct-10		87	ppb	0.087	ppm
1010A47	22-Oct-10		380	ppb	0.38	ppm
1010A47	23-Oct-10		88	ppb	0.088	ppm
1010A47	24-Oct-10		310	ppb	0.31	ppm
1010A47	25-Oct-10		120	ppb	0.12	ppm
1010B55	26-Oct-10		130	ppb	0.13	ppm
1010B82	27-Oct-10		160	ppb	0.16	ppm
1010C55	28-Oct-10		370	ppb	0.37	ppm
1011028	29-Oct-10		34	ppb	0.034	ppm
1011028	30-Oct-10		46	ppb	0.046	ppm
1011028	31-Oct-10		41	ppb	0.041	ppm
1011028	1-Nov-10	ND	0	ppb	0	ppm

Western Refining (Gallup) is currently conducting daily sampling for benzene. The refinery has completed 30 days of sampling indicating with results that are below the Regulatory RCRA Limit of 0.5 mg/l (ppm). Based on the above analysis from Hall Laboratories, Western Refining is requesting for the Agency to consider a reduced our sampling frequency.

Regards,

Beck Larsen; CHMM, REM, RPG
Environmental Engineer

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Safety starts with "S", but always begins with YOU!"