AR226-2226

Stack Parameters

Building Number	Permit Vent ID	Reg 29 Unit ID	Reg 29 Vent ID	Location UTM-E	Location UTM-N	Stack Height (ft)	Stack Height (m)	Stack Diameter (ft)	Stack Diameter (m)	Stack Flow (acfm)	Stack Velocity (ft/s)	Stack Velocity (m/s)	Stack Temperature (°F)	Stack Temperature (K)
1823A	T7IME	TIM	662	442025	4346847	150	45.7	1.33	0.405	3,349	40.2	12.2	172	350.9
815D	T6IFCE	TIE&TIF	644	442084	4346835	59	18.0	1.5	0.457	18,000	169.8	51.8	111	317.0
815D	T6IZCE	TIE&TIF	699	442091	4346836	63	19.2	18 - 1 ft	0.305	18000[a]	21.2[b]	6.5	111	317.0
1353A	164-5E	THI	652	441920	4346767	70	21.3	1.96	0.598	9,800	54.1	16.5	200	366.5
Pre-Existing	164-2E	THG	658	441923	4346756	68	20.7	1.63	0.497	2,800	22.4	6.8	300	422.0
614A	163-E-26	CDT	231	441952	4346776	93	28.4	0.67	0.204	500	23.6	7.2	130	327.6
614A	163-E-11	CDW	232	441953	4346766	81	24.7	0.67	0.204	600	28.4	8.6	130	327.6
781	163-E-33	CDB	216	441960	4346788	60	18.3	1.3	0.396	2,750	34.5	10.5	158	343.2
1953	242	CEH	242	441954	4346741	114.5	34.9	0.5	0.152	1,250	106.1	32.3	200	366.5
2365A	C1FSE	CFS	274	441787	4346744	110	33.5	0.69	0.210	1,000	44.6	13.6	255	397.0
Semiworks Application	RO22EEF6			442086	4346624	47	14.3	2.5	0.762	8836	30.0	9.1	80	299.8
Semiworks Application	RO22EEF86			442069	4346627	49	14.9	2.0	0.610	7540	40.0	12.2	80	299.8
Semiworks Application	RO22EEF87			442058	4346634	49	14.9	2.0	0.610	1885	10.0	3.0	80	299.8
Semiworks Application	RO22EEF89			442063	4346635	49	14.9	2.0	0.610	3770	20.0	6.1	80	299.8

[a]Vent ID T61ZCE consists of 18 one-foot diameter vents. The flow rate given is the total for all 18 vents.
[b]The velocity listed is the velocity calculated for one individual vent.

EID295000

Emission Information

Permit Number	Point EPN	Req.05 UID	Req.05 Type ID
1823A	T7IME	TIM	662
815D	T6IFCE	TIE&TIF	644
815D	T6IZCE	TIE&TIF	699
1353A	164-5E	THI	652
Pre-Existing	164-2E	THG	658
614A	163-E-26	CDT	231
614A	163-E-11	CDW	232
781	163-E-33	CDB	216
1953	242	CEH	242
2365A	C1FSE	CFS	274
Semiworks Application	RO22EEF6		
Semiworks Application	RO22EEF86		
Semiworks Application	RO22EEF87		
Semiworks Application	RO22EEF89		

[a]This is the declared potential-to-emit for this emission point.

Basis is the C-8 collected during sampling - if in impinger then gas, if in filter or in rinse then particulate
See spreadsheet on sampling in this workbook

EID295001

Permitted Allowable Emission Rate as Total Mfr VOC (lb/yr)	C8 Portion of Permitted Allowable Emission Rate (lb/yr)	Year 2000 Actual C8 Emissions (lb/yr)	C8 Particulate Mass Fraction	C8 Vapor Mass Fraction	Source	Comments
725	23	0	0	1	monomer	
51,837	51,837	13,977	0.54	0.46	fp/d scrubb	
11,333	11,333	0	0.9	0.1	candle filers	Reentrainment expected to be as particulate, no data taken
3,504	73	33	0.9	0.1	gran lline 2	Expected based upon vapor pressure, no data ever taken
NA	121[a]	79	0.9	0.1	gran line 1	Expected based upon vapor pressure, no data ever taken
14,880	14,400	3,541	0.11	0.89	fep 1	
14,880	14,400	4,680	0.09	0.91	fep 2	
32,412	289	0	0	1	fep ovens	Expected based upon system running in acid region
22,462	21,878	3,510	0.9	0.1	fep 3	Average of line 1 & 2, no data ever taken
7,000	7,000	5,414	0.03	0.97	pfa k	
40	40	12				
0.9	0.9	0.3				
10	10	3				
2	2	0.6				

EID295002

Distribution of C-8 on Sample apparatus

	Impinger Water grams	Impinger Caustic grams	Impinger pH 9 grams	Rinse grams	Filter grams	Total grams	Gas Percent	Solids Percent
FEP Ln 1	0.002596	0.001087	0.001	0	0	0.004683	100	0
	0.017768	0.000034	0.000032	0.002296	0	0.02013	88.5941381	11.4058619
	0.006482	0.000052	0.000056	0.00135	0.000036	0.007976	82.62286861	17.37713139
	0.001979	0.000705	0.003376	0.001022	0.000045	0.007127	85.02876386	14.97123614
							89.06144264	10.93855736
Average								
FEP Ln 2	0.009834	0.000059	0.000107	0.001602	0.000205	0.011807	84.69551961	15.30448039
	0.004992	0.000019	0.000096	0.001087	0.000003	0.006197	82.41084396	17.58915604
	0.016884	0.000012	0.000025	0.000228	0.000041	0.01719	98.43513671	1.564863293
	0.013944	0.000012	0.000514	0	0	0.01447	100	0
							91.38537507	8.614624932
Average								
PFA			150	0.1	0.1	150.2	99.86684421	0.133155792
	0.156885215	7.60364E-05	1.85956E-05	0.00239778	1.06192E-05	0.159388246	98.48897315	1.511026845
	0.006626823	5.06572E-05	9.18186E-05	0.000777393	2.29406E-05	0.007569633	89.42704726	10.57295274
	0.013944	0.000012	0.000514	0.000000	0.000000	0.014470907	100	0
							96.94571616	3.054283844
Average								
Fine Powder			11.5939612	7.42	9.0625248	28.076486	41.29420327	58.70579673
			12.2466014	6.55	4.4997953	23.2963967	52.56865067	47.43134933
			9.789603	2.9467134	8.7478538	21.4841702	45.56658651	54.43341349
							46.47648015	53.52351985
Average								

EID295003