

ESC - Neot Hovav. 6 Stacks Test Results. Heiter Plitot. 09/12/2015.

Series No.	Average Stack Gas Temp o C	Stack Gas Water Content % vol	Average Stack Gas Flowrate (St-d Cond-s, 0 oC) dscm/Hr	Sampling Time HH:mm	Hazard Sampled	Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm	Hazard Instack Conc-n (St-d Cond-s, 0 oC) Norm. to 3% O2 mg/dscm	Hazard Emission Rate Kg/Hour	Remarks	Emission Standard (Heiter Plitot, 07/15)	
										Hazard Instack Conc-n (Standard Cond-s, 0 o C) mg/dscm	Hazard Emission Rate Kg/Hour
Neutralization Facility											
Stack 01 V-201 Scrubber Stack	11.5	1.2	5,871	HCL, NH3, SO2, H2S							
				10:29-11:19	HCL	0.39	-----	0.00229	< LOD	30	-----
					NH3	0.078	-----	0.00046		30	-----
				09:26-10:56	SO2	0.99	-----	0.00584	< LOD	350	-----
				10:57-11:27	H2S	0.070	-----	0.00041	< LOD	3	-----
		HCN, NOx, TOC									
	11.5	1.2	5,910	09:23-10:14	HCN	0.042	-----	0.00025		3	-----
				09:22-09:52	NOx	32.8	-----	0.19378	< LOD	350	-----
				10:01-10:30	TOC as Carbon	3.50	-----	0.02070		10	-----
				09:54-10:24	VOC Screening						
				Total VOC	0.20	-----	0.00116	< LOD	-----	-----	

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										Hazard Instack Conc-n (Standard Cond-s, 0 oC)	Hazard Emission Rate			
No.	o C	% vol	dscm/Hr	HH:mm		mg/dscm	mg/dscm	Kg/Hour		mg/dscm	Kg/Hour			
"Yatzuv Mitzuk" Facility.														
Stack 02 Line 1. Dust Filter F-05, Charcoal System F-06a Stack	17.0	1.3	3,319	09:52-10:27	Total Dust	3.95	-----	0.01310		5	-----			
					NH3	25.3	-----	0.08386		30	-----			
				09:53-10:22	TOC as Carbon	6.69	-----	0.02221		20	-----			
					09:54-10:24	H2S	0.11	-----	0.00038	< LOD	3	-----		
				09:54-10:24	VOC Screening									
					BromoChloroMethane	4.10	-----	0.01361		-----	-----			
					DiBromoMethane	4.57	-----	0.01516		-----	-----			
					Toluene	1.68	-----	0.00557		-----	-----			
								Total VOC	10.35	-----	0.03434		-----	-----
				Stack 03 Line 2. Dust Filter F-18, Charcoal System F-06b Stack	18.9	1.3	2,928	10:55-11:30	Total Dust	0.55	-----	0.00161		5
NH3	8.86	-----	0.02594							30	-----			
11:00-11:29	TOC as Carbon	7.74	-----					0.02267		20	-----			
	10:57-12:27	H2S	0.114					-----	0.00033	< LOD	3	-----		
10:57-12:27	VOC Screening													
	BromoChloroMethane	2.51	-----					0.00736		-----	-----			
	DiBromoMethane	6.38	-----					0.01868		-----	-----			
	Toluene	1.55	-----					0.00453		-----	-----			
								Total VOC	10.44	-----	0.03057		-----	-----
Stack 04 Tanks, Dust Filter F-30, Charcoal System F-31A/B Stack	23.6	1.3	44,334					12:23-12:58	Total Dust	3.74	-----	0.1659		5
				NH3	0.09	-----	0.0040			30	-----			
				12:23-12:58	TOC as Carbon	3.28	-----	0.1452		20	-----			
					12:25-12:55	H2S	0.10	-----	0.0046	< LOD	3	-----		
				12:25-12:55	VOC Screening									
					Total VOC	0.19	-----	0.0085	< LOD	-----	-----			

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										Hazard Instack Conc-n (Standard Cond-s, 0 o C)	Hazard Emission Rate			
No.	o C	% vol	dscm/Hr	HH:mm		mg/dscm	mg/dscm	Kg/Hour		mg/dscm	Kg/Hour			
Other Facilities.														
Stack 09 "Organics SHED" Stack	24.6	1.3	9,526	12:54-13:44	Total Dust	1.74	-----	0.01658		5	-----			
				13:10-13:39	TOC as Carbon	5.12	-----	0.04873		10	-----			
				13:03-13:33	VOC Screening									
					Total VOC	0.20	-----	0.00191	< LOD	-----	-----			
Stack 10 Barrels Crushing Facility Charcoal System F-90 Stack	17.3	1.3	459	11:52-12:29	Total Dust	2.68	-----	0.00123		5	-----			
				11:59-12:28	TOC as Carbon	3.08	-----	0.00141		10	-----			
				11:55-12:25	VOC Screening									
					Total VOC	0.19	-----	0.00009	< LOD	-----	-----			

- Remarks:**
- The Concentrations were Calculated at Standard Conditions (Dry Gas, 0 oC, Atmospheric Pressure).
TOC Concentrations were Calculates as Carbon.
VOC Concentrations were Calculates as Xylene.
 - "< LOD" = less than the Limit of Determination.