

J. E. Shirley

POLLUTION SURVEY
Department 22

Location	Material	Liquid or Vapor	Discharge		Rate	Remarks
			Type	To		
22S7	EDC	Liquid	Potential Continuous	Sewer Sewer	1500 #/hr. 8 #/hr.	Loop Leg Soluble
22D4-OH	Hcl-C ₂ H ₂ VCM	Vapor	Continuous	Dept. 24	100 #/hr.	
22D14-BTM.	VCM	Vapor	Continuous	Flare	30 #/hr.	
22A1	C ₂ H ₂ -CH ₄	Vapor	On Cycle	Flare	100 #/hr.	Each 12 hrs. for 1 hr.
22A2	CH ₄ -VCM	Vapor	On Cycle	Flare	2000 #/hr.	Twice/week
22R4	C ₂ H ₂ -CH ₄	Vapor	On Cycle	Flare	100 #/hr.	Each 12 hrs. for 1 hr.
22T4(3)	VCM	Vapor	Potential	Flare	50,600 #/hr.	Relief Valve
22T9(2)	VCM	Vapor	Potential	Flare	100,000 #/hr.	Relief Valve
22T11(2)	VCM-Hcl	Vapor	Potential	Flare	50,600 #/hr.	Relief Valve
22T32	VCM	Vapor	Potential	Flare	50,600 #/hr.	Relief Valve
22T13	EDC	Vapor	Continuous	Atmos.	5 #/hr.	Vent
Pump Seals	VCM	Vapor	Potential	Atmos.	50 #/hr.	Short Duration
Pump Seals	EDC	Liquid	Potential	Sewer	50 #/hr.	Short Duration
22T33	VCM	Vapor	Potential	Flare	25,000 #/hr.	Relief Valve

CBY 1109915

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POLLUTION SURVEY
Department 26

Location	Material	Liquid or Vapor	Discharge			Remarks
			Type	To	Rate	
Feed Rup- ture Discs	Hcl-O ₂ C ₂ H ₄	Vapor	Potential	Atmos.	4000 #/hr.	Short Duration
26S9	EDC Caustic CuCl Cata- lyst fines	Liquid	Continuous	Dept. 21 Sewer	EDC-15#/hr. Caustic-45# trace cat. fines	In 4000 #/hr. water
PRC 26-1	Methane Ethylene	Vapor	Continuous	6" Flare	500 #/hr. (normal)	Start up rate 4000 #/hr.
26K1	EDC - Methane	Vapor	Potential	6" Flare	4000 #/hr.	Relief Valve
<u>Department 21</u>						
21T1	Muriatic Acid	Liquid Vapor	Continuous	Sewer	10 #/hr.	Has vent scrubber
21D5	Hcl VCM-EDC	Vapor	Continuous	Atmos.	Hcl - 15#/hr. VCM-EDC 20 #/hr.	Has vent scrubber
Pump Seals	Muriatic Acid	Liquid	Intermittent	Sewer	5 #/hr.	Short Duration
21T2	Hcl	Vapor	Continuous	Sewer	10 #/hr.	Has vent scrubber
						CBY 1109916

RSV0030246

POLLUTION SURVEY

Department 23

Location	Material	Liquid or Vapor	Discharge			Remarks
			Type	To	Rate	
23T1(3)	Chlorine	Vapor	Potential	Atmos.	Too Much	Relief Valves
23T3	Ethylene & Chlorine	Vapor	Potential	12" Flare	C ₂ H ₄ -30 #/hr.	Relief Valve
23T4	Caustic EDC	Liquid	Continuous	Dept. 21 Sewer	EDC -15 #/hr. NaOH-300 #/hr.	Waste Stream
Vent	Ethylene Nitrogen	Vapor	Continuous	Atmos.	C ₂ H ₄ -30 #/hr. N ₂ - 300 #/hr.	Waste Stream
23T8	EDC	Liquid	Potential Overflow	Pit	40,000 #/hr.	Dike Valve Left Closed
23T13	Caustic (50%)	Liquid	Potential	Ground	Full Pump Rate	Overflow Pipe

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