

IP air releases 2017 and 2018

Source	Year went in operation	# hours operated /year	Air pollutant in tons per year																			
			Carbon monoxide		Condensable Particulate matter		Acetaldehyde		Formaldehyde		Hydrochloric acid		Methanol	Propionaldehyde		Hazardous Air pollutants		Nitrous oxides		Particulate		
			2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
Tall oil Plant	1972	6227	6183											2.37	2.43			3.33	3.33			
Power Boiler #6	1994	8525	8518	7.89	16.33		6.07											2.08	10.67	38.04	35.93	1.46
Lime Kiln Recovery		8241	8349	6.18	4.17	2.02	2.04							1.07	0.68			3.44	2.87	118.6	80.98	9.97
Boiler #2 Recovery	1975	7677	8380	582.4	626.88	15.6	17.28	0.82	0.88	1.73	1.87	13.38	14.59	4.01	4.8	1.45	1.56	22.28	27.51	299	320	22.46
Boiler #1 Smelt	1975	7615	7227	614.1	674.1	8.78	9.84	0.81	1.13	1.71	2.02	13.17	14.56	3.95	4.83	1.43	1.57	22.45	27.14	236.4	264.8	30
Dissolving tank																						
Power Boiler #3	1975	7615	8227	2.9	3.1	1.2	1.3							16.1	17.7			17.2	18.3			40
Bark	1973	1209	4672	65.5	253.4		2.2											0.23	3.9	4.5	33.2	3.56
Boiler #4 Smelt	1986	8201	8440	352.2	451.5	10.9	13.1	0.25	0.29	0.63	0.71	1.97	0.7					10.93	10.03	424.5	445.7	156.9
Dissolving tank vent #2																						
Lime Slaker	1975	7677	8380	2.9	3.4	4.9	5.4							16.4	17.6			17.4	18.2			29.5
	1986	8241	8349					1.1	1.5					36.9	18.4			38.1	19.9			1.4
Chlorine Dioxide generating system scrubber	1992	8760	8760											0.04	0.02			0.08	0.062			
Bleach Line B	1992	7975	7924	72.9	71.8							1.01	0.95	7.35	7.24			9.6	9.1			
Non-condensable Gas handling #2	1989	8760	8532											0.43	0.49			0.46	0.53			
Condensate Stripper	2000	8760	8760											5.1	9.8			5.2	10			
Unregulated emissions *	2000	8760	8760			19.1	21	7.3	10.3	1.1	1.1			198.9	200	2.44	2.44	250.5	25.2			43
Thermal Oxidizer	2001	8392	8532	2.4	1.8									1.2	1.2			1.2	1.2	39.4	30.7	0.54
Brown Stock Washer	1969	8709	8730											9.24	9.09			11.76	10.46			
Brown Stock Washer B																						
Line Diffusion		8709	8730											9.24	9.09			11.76	10.46			
Washer B-Line	1969	7155												0.81	0.94			1.08	1.23			
Oxygen delignification	1984	8709	8730	4.3	4.3			1.07	1.06					28.6	28.2			33.4	29.9			

	2017	2018	Carbon monoxide	Condensable Particulate matter	Acetaldehyde	Formaldehyde	Hydrochloric acid	Methanol	Propionaldehyde	Hazardous Air pollutants	Nitrous oxides	Particulate
SUMS												
2017			1713.67	62.5	11.35	5.17	29.53	341.71	5.32	462.48	1160.44	338.79
Sums												
2018			2110.78	78.23	15.16	5.7	30.8	332.51	5.57	239.992	1211.31	

	Matter	Particulate Matter 10	Particulate matter 2.5	Sulfur Dioxide	Total Reduced Sulfur	VOC	Ammonia	Benzene	Ethylbenzene	Chlorine	Chloroform
SUMS 2017 Sums				73.52	93.903	1042	58.8				
2018	284.48				69.92	59.034	985	64.9			