

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate		[C] Emission Factor, (lb/Unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Actual Annual Rate		Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)
											Units	Units									Units	Units				Units	Units	
EU 301	SV 301	EU 301	EU 301	No	Process Combustion	Autoclave Startup Boiler (Natural Gas)	NOx	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	100.00	lb/MM cu. ft.	4.78	20,943	0	20,943	4.78	25.13	MM cu. ft./yr	1.257	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							PM10	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	7.60	lb/MM cu. ft.	0.36	1,592	0	1,592	0.36	25.13	MM cu. ft./yr	0.096	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							PM2.5	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	7.60	lb/MM cu. ft.	0.36	1,592	0	1,592	0.36	25.13	MM cu. ft./yr	0.096	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Total PM	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	7.60	lb/MM cu. ft.	0.36	1,592	0	1,592	0.36	25.13	MM cu. ft./yr	0.096	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							SO2	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	0.60	lb/MM cu. ft.	0.03	0.126	0	0.126	0.03	25.13	MM cu. ft./yr	0.008	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Carbon Monoxide	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	84.00	lb/MM cu. ft.	4.02	17,592	0	17,592	4.02	25.13	MM cu. ft./yr	1.056	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							VOC	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	5.30	lb/MM cu. ft.	0.26	1,152	0	1,152	0.26	25.13	MM cu. ft./yr	0.069	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Pb	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	5.00E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Carbon Dioxide	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	122847.17	lb/MM cu. ft.	5874	25,728	0	25,728	5874	25.13	MM cu. ft./yr	1543.678	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							N2O	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.08	lb/MM cu. ft.	0.10	0.436	0	0.436	0.10	25.13	MM cu. ft./yr	0.026	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							CH4	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.08	lb/MM cu. ft.	0.10	0.436	0	0.436	0.10	25.13	MM cu. ft./yr	0.026	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							POM	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	6.73E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							2-Methylnaphthalene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							3-Methylchloranthrene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							7,12-Dimethylbenz (a)anthracene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.60E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Acenaphthene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Acenaphthylene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Anthracene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.40E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Benzo(a)anthracene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Benzo(a)pyrene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Benzo(b)fluoranthene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Benzo(g,h)perylene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Benzo(k)fluoranthene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Chrysene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Dibenz(a,h)anthracene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Fluoranthene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Fluorene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Indeno(1,2,3-cd)pyrene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Phenanthrene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Pyrene	Y	[8]	0.048	MM cu. ft./hr	419	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Benzene	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Dichlorobenzene	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Formaldehyde	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.	0.00	0.016	0	0.016	0.00	25.13	MM cu. ft./yr	0.001	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Hexane	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.	0.09	0.377	0	0.377	0.09	25.13	MM cu. ft./yr	0.023	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Naphthalene	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Toluene	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.	0.00	0.001	0	0.001	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Arsenic	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Cadmium	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Chromium	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Cobalt	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Manganese	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Mercury	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Nickel	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Barium	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.	0.00	0.001	0	0.001	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Copper	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	8.50E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Molybdenum	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Vanadium	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.30E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Zinc	Y	N	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.90E-02	lb/MM cu. ft.	0.00	0.006	0	0.006	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Beryllium	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	1.20E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							Selenium	Y	Y	0.048	MM cu. ft./hr	419	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	25.13	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
NG Combustion	SV 328	EU 335	EU 335	No	Process Combustion	Oxygen Plant Adsorber Regeneration Heater	NOx	Y	N	0.002	MM cu. ft./hr	17	MM cu. ft./hr	100	lb/MM cu. ft.	0.20	0.855	0	0.855	0.20	25.13	MM cu. ft./yr	0.570	NA	NA	MM cu. ft.	MM cu. ft.	MM cu. ft.
							PM10	Y	N	0.002	MM cu. ft./hr	17																

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly) * 24	Units	Controlled Emission Rate (lb/day)
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	PM2.5	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.07	0.300	0	0.300	0.07	10.56	MM cu. ft./yr	0.040	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Total PM	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.07	0.300	0	0.300	0.07	10.56	MM cu. ft./yr	0.040	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	SO2	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	0.6	lb/MM cu. ft.	0.01	0.024	0	0.024	0.01	10.56	MM cu. ft./yr	0.003	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Carbon Monoxide	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	84	lb/MM cu. ft.	0.76	3.311	0	3.311	0.76	10.56	MM cu. ft./yr	0.444	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	VOC	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	5.3	lb/MM cu. ft.	0.05	0.217	0	0.217	0.05	10.56	MM cu. ft./yr	0.029	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Pb	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	0.0005	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Carbon Dioxide	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	122847.165	lb/MM cu. ft.	1,105.62	4,842.635	0	4,842.635	1,105.62	10.56	MM cu. ft./yr	648.674	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	N2O	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.08337926	lb/MM cu. ft.	0.02	0.082	0	0.082	0.02	10.56	MM cu. ft./yr	0.011	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	CH4	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.08337926	lb/MM cu. ft.	0.02	0.082	0	0.082	0.02	10.56	MM cu. ft./yr	0.011	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	POM	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	6.73E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	2-Methylnaphthalene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	3-Methylchloranthrene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	7,12-Dimethylbenz (a)anthracene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.60E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Acenaphthene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Acenaphthylene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Anthracene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.40E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(a)anthracene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(a)pyrene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(b)fluoranthene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(g,h)perylene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(k)fluoranthene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Chrysene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Dibenz(a,h)anthracene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Fluoranthene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Fluorene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Phenanthrene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Pyrene	Y	[8]	0.009	MM cu. ft./hr	79	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzene	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Dichlorobenzene	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Formaldehyde	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.	0.00	0.003	0	0.003	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Hexane	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.	0.02	0.071	0	0.071	0.02	10.56	MM cu. ft./yr	0.010	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Naphthalene	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Toluene	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Arsenic	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Cadmium	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Chromium	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Cobalt	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Manganese	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Mercury	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Nickel	Y	Y	0.009	MM cu. ft./hr	79	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Barium	Y	N	0.009	MM cu. ft./hr	79	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	10.56	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.			
	CoarseCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Copper	Y	N	0.009	MM cu. ft./hr																		

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)	Units	Controlled Emission Rate (lb/day)	
																														MM cu. ft./hr
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	SO2	Y	N	0.001	MM cu. ft./hr	8	MM cu. ft./hr	0.6	lb/MM cu. ft.		0.00	0.003	0	0.003	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Carbon Monoxide	Y	N	0.001	MM cu. ft./hr	8	MM cu. ft./hr	84	lb/MM cu. ft.		0.08	0.350	0	0.350	0.08		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	VOC	Y	N	0.001	MM cu. ft./hr	8	MM cu. ft./hr	5.5	lb/MM cu. ft.		0.01	0.023	0	0.023	0.01		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Pb	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	0.0005	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Carbon Dioxide	Y	N	0.001	MM cu. ft./hr	8	MM cu. ft./hr	122847.163	lb/MM cu. ft.		117.00	512.448	0	512.448	117.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	N2O	Y	N	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.08337926	lb/MM cu. ft.		0.00	0.009	0	0.009	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	CH4	Y	N	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.08337926	lb/MM cu. ft.		0.00	0.009	0	0.009	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	POM	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	6.73E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	2-Methylnaphthalene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	3-Methylchloranthrene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	7,12-Dimethylbenz (a)anthracene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.60E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Acenaphthylene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Anthracene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.40E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Benzo(a)anthracene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Benzo(a)pyrene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Benzo(b)fluoranthene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Benzo(g,h)perylene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Benzo(k)fluoranthene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Chrysene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Dibenz(a,h)anthracene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Fluoranthene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Fluorene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Phenanthrene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Pyrene	Y	[8]	0.001	MM cu. ft./hr	8	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Benzene	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Dichlorobenzene	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Formaldehyde	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Hexane	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.		0.00	0.008	0	0.008	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Naphthalene	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Toluene	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Arsenic	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Cadmium	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Chromium	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Cobalt	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Manganese	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Mercury	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Nickel	Y	Y	0.001	MM cu. ft./hr	8	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Barium	Y	N	0.001	MM cu. ft./hr	8	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect AHU 2)	Copper	Y	N	0.001	MM cu. ft./hr	8	MM cu. ft./hr	8.50E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	CoarseCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural																								

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/yr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/yr)	[L] Projected Actual Emission Rate (ton/yr)		[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)
																						Projected Annual Rate	Units			Units	Units	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	CH4	Y	N	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.08337926	lb/MM cu. ft.	0	0.02	0.071	0	0.071	0.02	40.78	MM cu. ft./yr	0.042	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	POM	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	6.73E-04	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	2-Methylnaphthalene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	3-Methylchloranthrene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.60E-05	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Acenaphthene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Acenaphthylene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Anthracene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.40E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(a)anthracene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(a)pyrene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(b)fluoranthene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzo(k)fluoranthene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Chrysene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Dibenz(a,h)anthracene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Fluoranthene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	3.00E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Fluorene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.80E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Phenanthrene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.70E-05	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Pyrene	Y	[8]	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	5.00E-06	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Benzen	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Dichlorobenzene	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.20E-03	lb/MM cu. ft.	0	0.00	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Formaldehyde	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	7.50E-02	lb/MM cu. ft.	0	0.00	0.003	0	0.003	0.00	40.78	MM cu. ft./yr	0.002	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Hexane	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.80E+00	lb/MM cu. ft.	0.01	0.061	0.061	0	0.061	0.01	40.78	MM cu. ft./yr	0.037	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Naphthalene	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	6.10E-04	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Toluene	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	3.40E-03	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Arsenic	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.00E-04	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Cadmium	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Chromium	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.40E-03	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Cobalt	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	8.40E-05	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Manganese	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	3.80E-04	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Mercury	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.60E-04	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Nickel	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Barium	Y	N	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	4.40E-03	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Copper	Y	N	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	8.50E-04	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Molybdenum	Y	N	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Vanadium	Y	N	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.30E-03	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Zinc	Y	N	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.90E-02	lb/MM cu. ft.	0.00	0.001	0.001	0	0.001	0.00	40.78	MM cu. ft./yr	0.001	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Beryllium	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	1.20E-05	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
	FineCrush		EU 302	Yes	Space Heating (Crushing)	Space Heating (Natural Gas Fired-total direct)	Selenium	Y	Y	0.008	MM cu. ft./hr	67.9	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0.000	0	0.000	0.00	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
NG Combustion		EU 302	EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 1)	NOx	Y	N	0.001	MM cu. ft./hr	5.8	MM cu. ft./yr	100	lb/MM cu. ft.	0.07	0.292	50	0.146	0.03	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.		
	FineCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 1)	PM10	Y	N	0.001	MM cu. ft./hr	5.8	MM cu. ft./yr	7.6	lb/MM cu. ft.	0.01	0.022	0	0.022	0.01	40.78	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.		
	FineCrush		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 1)	PM2.5	Y	N	0.001	MM cu. ft./hr	5.8	MM cu. ft./yr	7.6	lb/MM cu. ft.	0.01	0.022	0	0.022									

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)	Controlled Emission Rate (lb/day)	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	2-Methylnaphthalene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	3-Methylchloranthrene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.60E-05	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Acenaphthene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Acenaphthylene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Anthracene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.40E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Benzo(a)anthracene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Benzo(a)pyrene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Benzo(b)fluoranthene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Benzo(g,h)perylene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Benzo(k)fluoranthene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Chrysene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Dibenz(a,h)anthracene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Fluoranthene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Fluorene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Phenanthrene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Pyrene	Y	[8]	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Benzene	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Dichlorobenzene	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Formaldehyde	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Hexane	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.	0.000	0.005	0	0.005	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Naphthalene	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Toluene	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Arsenic	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Cadmium	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Chromium	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Cobalt	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Manganese	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Mercury	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Nickel	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Barium	Y	N	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Copper	Y	N	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	8.50E-04	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Molybdenum	Y	N	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Vanadium	Y	N	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.30E-03	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Zinc	Y	N	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.90E-02	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Beryllium	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	1.20E-05	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 2)	Selenium	Y	Y	0.001	MM cu. ft./hr	5.8	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.000	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FTFC AHU 1)	NOx	Y	N	0.002	MM cu. ft./hr	16.0	MM cu. ft./hr	100	lb/MM cu. ft.	0.18	0.801	50	0.400	0.09	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FMF AHU 1)	PM10	Y	N	0.002	MM cu. ft./hr	16.0	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.01	0.061	0	0.061	0.01	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FMF AHU 1)	PM2.5	Y	N	0.002	MM cu. ft./hr	16.0	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.01	0.061	0	0.061	0.01	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FMF AHU 1)	Total PM	Y	N	0.002	MM cu. ft./hr	16.0	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.01	0.061	0	0.061	0.01	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FMF AHU 1)	SO2	Y	N	0.002	MM cu. ft./hr	16.0	MM cu. ft./hr	0.6	lb/MM cu. ft.	0.005	0.005	0	0.005	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FMF AHU 1)	Carbon Monoxide	Y	N	0.002	MM cu. ft./hr	16.0	MM cu. ft./hr	84	lb/MM cu. ft.	0.15	0.673	0	0.673	0.15	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect FMF AHU 1)	VOC	Y	N	0.002	MM cu. ft./hr	16.0	MM cu. ft./hr	5.5	lb/MM cu. ft.	0.01	0.044	0	0.044	0.01	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	
			EU 302																							

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate		[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)
											Units	Units													Units	Units	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Benzo(a)pyrene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Benzo(b)fluoranthrene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Benzo(k)fluoranthrene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Chrysene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Dibenz(a,h)anthracene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Fluoranthrene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	3.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Fluorene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Phenanthrene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.70E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Pyrene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	5.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Benzo(a)anthracene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.60E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Dichlorobenzene	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.20E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Formaldehyde	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	7.50E-02	lb/MM cu. ft.	0.00	0.001	0	0.001	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Hexane	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.80E+00	lb/MM cu. ft.	0.00	0.018	0	0.018	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Naphthalene	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	6.10E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Toluene	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	3.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Arsenic	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.00E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Cadmium	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Chromium	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Cobalt	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	8.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Manganese	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	3.80E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Mercury	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.60E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Nickel	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Barium	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	4.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Copper	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	8.50E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Molybdenum	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Vanadium	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.30E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Zinc	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.90E-02	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Beryllium	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	1.20E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 4)	Selenium	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	NOx	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	100	lb/MM cu. ft.	0.23	1.001	50	0.501	0.11	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	PM10	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	7.6	lb/MM cu. ft.	0.02	0.076	0	0.076	0.02	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	PM2.5	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	7.6	lb/MM cu. ft.	0.02	0.076	0	0.076	0.02	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	Total PM	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	7.6	lb/MM cu. ft.	0.02	0.076	0	0.076	0.02	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	SO2	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	0.6	lb/MM cu. ft.	0.00	0.006	0	0.006	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	Carbon Monoxide	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	84	lb/MM cu. ft.	0.19	0.841	0	0.841	0.19	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	VOC	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	5.5	lb/MM cu. ft.	0.01	0.055	0	0.055	0.01	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	Pb	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	0.0005	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	Carbon Dioxide	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	122847.165	lb/MM cu. ft.	280.79	1,229.876	0	1,229.876	280.79	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	NO2	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.08337926	lb/MM cu. ft.	0.00	0.021	0	0.021	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	CH4	Y	N	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.08337926	lb/MM cu. ft.	0.00	0.021	0	0.021	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	POM	Y	Y	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	6.73E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 5)	2-Methylnaphthalene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.	MM cu. ft.	
Conc B V			EU 302	No	Space Heating (

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)	Units	Controlled Emission Rate (lb/day)																													
																														MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr	MM cu. ft./hr		
Conc B V			EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CLL AHU 6)	Benzof(a,h)perylene	Y	[8]	0.002	MM cu. ft./hr	20.0	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.																																
																											Benzof(k)fluoranthene	0.00	0.000	0	0.000	0.00																										
																											Chrysene	0.00	0.000	0	0.000	0.00																										
																											NG Combustion		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 1)	NOx	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	100	lb/MM cu. ft.		0.29	1.268	50	0.634	0.14	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.						
																																																					PM10	0.02	0.096	0	0.096	0.02
																																																					PM2.5	0.02	0.096	0	0.096	0.02
																																																					Total PM	0.02	0.096	0	0.096	0.02
																																																					SO2	0.00	0.008	0	0.008	0.00
																																																					Carbon Monoxide	0.24	1.065	0	1.065	0.24
																																																					VOC	0.02	0.070	0	0.070	0.02
																																																					Pb	0.00	0.000	0	0.000	0.00
																																																					Carbon Dioxide	355.67	1,557.842	0	1,557.842	355.67
																																																					N2O	0.01	0.026	0	0.026	0.01
																																																					CH4	0.01	0.026	0	0.026	0.01
																																																					POM	0.00	0.000	0	0.000	0.00
																																																					2-Methylnaphthalene	0.00	0.000	0	0.000	0.00
																																																					3-Methylchloranthrene	0.00	0.000	0	0.000	0.00
																																																					7,12-Dimethylbenz	0.00	0.000	0	0.000	0.00
																																																					(a)anthracene	0.00	0.000	0	0.000	0.00
																																																					Acenaphthene	0.00	0.000	0	0.000	0.00
																																																					Acenaphthylene	0.00	0.000	0	0.000	0.00
																																																					Anthracene	0.00	0.000	0	0.000	0.00
																																																					Benzof(a)anthracene	0.00	0.000	0	0.000	0.00
																																																					Benzof(a)pyrene	0.00	0.000	0	0.000	0.00
																																																					Benzof(b)fluoranthene	0.00	0.000	0	0.000	0.00
																																																					Benzof(g,h)perylene	0.00	0.000	0	0.000	0.00
																																																					Benzof(k)fluoranthene	0.00	0.000	0	0.000	0.00
																																																					Chrysene	0.00	0.000	0	0.000	0.00
																																																					Dibenzof(a,h)anthracene	0.00	0.000	0	0.000	0.00
																																																					Fluoranthene	0.00	0.000	0	0.000	0.00
																																																					Fluorene	0.00	0.000	0	0.000	0.00
																																																					Indeno(1,2,3-cd)pyrene	0.00	0.000	0	0.000	0.00
																																																					Phenanthrene	0.00	0.000	0	0.000	0.00
																																																					Pyrene	0.00	0.000	0	0.000	0.00
																																																					Benzene	0.00	0.000	0	0.000	0.00
Dichlorobenzene	0.00	0.000	0	0.000	0.00																																																					
Formaldehyde	0.01	0.023	0	0.023	0.01																																																					
Hexane	0.00	0.000	0	0.000	0.00																																																					
Naphthalene	0.00	0.000	0	0.000	0.00																																																					
Toluene	0.00	0.000	0	0.000	0.00																																																					
Arsenic	0.00	0.000	0	0.000	0.00																																																					
Cadmium	0.00	0.000	0	0.000	0.00																																																					
Chromium	0.00	0.000	0	0.000	0.00																																																					
Cobalt	0.00	0.000	0	0.000	0.00																																																					
Manganese	0.00	0.000	0	0.000	0.00																																																					
Mercury	0.00	0.000	0	0.000	0.00																																																					
Nickel	0.00	0.000	0	0.000	0.00																																																					
Barium	0.00	0.000	0	0.000	0.00																																																					
Copper	0.00	0.000	0	0.000	0.00																																																					
Molybdenum	0.00	0.000	0	0.000	0.00																																																					
Vanadium	0.00	0.000	0	0.000	0.00																																																					
Zinc	0.00	0.000	0	0.000	0.00																																																					
Beryllium	0.00	0.000	0	0.000	0.00																																																					
Selenium	0.00	0.000	0	0.000	0.00																																																					
NG Combustion		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	NOx	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	100	lb/MM cu. ft.		0.29	1.268	50	0.634	0.14	MM cu. ft./yr	0.000	NA	NA	MM cu. ft.																																	
																										PM10	0.02	0.096	0	0.096	0.02																											
																										PM2.5	0.02	0.096	0	0.096	0.02																											
																										Total PM	0.02	0.096	0	0.096	0.02																											
																										SO2	0.00	0.008	0	0.008	0.00																											
																										Carbon Monoxide	0.24	1.065	0	1.065	0.24																											
																										VOC	0.02	0.070	0	0.070	0.02																											
																										Pb	0.00	0.000	0	0.000	0.00																											
																										Carbon Dioxide	355.67	1,557.842	0	1,557.842	355.67																											
																										N2O	0.01	0.026	0	0.026	0.01																											
																										CH4	0.01	0.026	0	0.026	0.01																											
																										POM	0.00	0.000	0	0.000	0.00																											
																										2-Methylnaphthalene	0.00	0.000	0	0.000	0.00																											
																										3-Methylchloranthrene	0.00	0.000	0	0.000	0.00																											
																										7,12-Dimethylbenz	0.00	0.000	0	0.000	0.00																											
																										(a)anthracene	0.00	0.000	0	0.000	0.00																											
																										Acenaphthene	0.00	0.000	0	0.000	0.00																											
																										Acenaphthylene	0.00	0.000	0	0.000	0.00																											
																										Anthracene	0.00	0.000	0	0.000	0.00																											
																										Benzof(a)anthracene	0.00	0.000	0	0.000	0.00																											
																										Benzof(a)pyrene	0.00	0.000	0	0.000	0.00																											
																										Benzof(b)fluoranthene	0.00	0.000	0	0.000	0.00																											
																										Benzof(g,h)perylene	0.00	0.000	0	0.000	0.00																											
																										Benzof(k)fluoranthene	0.00	0.000	0	0.000	0.00																											
																										Chrysene	0.00	0.000	0	0.000	0.00																											
																										Dibenzof(a,h)anthracene	0.00	0.000	0	0.000	0.00																											
																										Fluoranthene	0.00	0.000	0	0.000	0.00																											
																										Fluorene	0.00	0.000	0	0.000	0.00																											
																										Indeno(1,2,3-cd)pyrene	0.00	0.000	0	0.000	0.00																											
																										Phenanthrene	0.00	0.000	0	0.000	0.00																											
																										Pyrene	0.00	0.000	0	0.000	0.00																											
																										Benzene	0.00	0.000	0	0.000	0.00																											
																										Dichlorobenzene	0.00	0.000	0	0.000	0.00																											
																										Formaldehyde	0.01	0.023	0	0.023	0.01																											
																										Hexane	0.00	0.000	0	0.000	0.00																											
Naphthalene	0.00	0.000	0	0.000	0.00																																																					
Toluene	0.00	0.000	0	0.000	0.00																																																					
Arsenic	0.00	0.000	0	0.000	0.00																																																					
Cadmium	0.00	0.000	0	0.000	0.00																																																					
Chromium	0.00	0.000	0	0.000	0.00																																																					
Cobalt	0.00	0.000	0	0.000	0.00																																																					
Manganese	0.00	0.000	0	0.000	0.00																																																					
Mercury	0.00	0.000	0	0.000	0.00																																																					
Nickel	0.00	0.000	0	0.000	0.00																																																					
Barium	0.00	0.000	0	0.000	0.00																																																					
Copper	0.00	0.000	0	0.000	0.00																																																					
Molybdenum	0.00	0.000	0	0.000	0.00																																																					
Vanadium	0.00	0.000	0	0.000	0.00																																																					
Zinc	0.00	0.000	0	0.000	0.00																																																					
Beryllium	0.00	0.000	0	0.000	0.00																																																					
Selenium	0.00	0.000	0	0.000	0.00																																																					

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)	Units	Controlled Emission Rate (lb/day)	
																														MM cu. ft./hr
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Chrysene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Dibenz(a,h)anthracene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Fluoranthene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Fluorene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Phenanthrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Pyrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Benzene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Dichlorobenzene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.		0.00	0.001	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Formaldehyde	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.		0.00	0.001	0	0.001	0.01		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Hexane	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.		0.01	0.023	0	0.023	0.01		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Naphthalene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Toluene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Arsenic	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Cadmium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Chromium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Cobalt	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Manganese	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Mercury	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Nickel	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Barium	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Copper	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	8.50E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Molybdenum	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Vanadium	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.30E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Zinc	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.90E-02	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Beryllium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.20E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 2)	Selenium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	NOx	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	100	lb/MM cu. ft.		0.29	1.268	50	0.634	0.14		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	PM10	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.6	lb/MM cu. ft.		0.02	0.096	0	0.096	0.02		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	PM2.5	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.6	lb/MM cu. ft.		0.02	0.096	0	0.096	0.02		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	Total PM	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.6	lb/MM cu. ft.		0.02	0.096	0	0.096	0.02		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	SO2	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	0.6	lb/MM cu. ft.		0.00	0.008	0	0.008	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	Carbon Monoxide	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	84	lb/MM cu. ft.		0.24	1.065	0	1.065	0.24		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	VOC	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	5.5	lb/MM cu. ft.		0.02	0.070	0	0.070	0.02		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	Pb	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	0.0005	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	Carbon Dioxide	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	122847.165	lb/MM cu. ft.		355.67	1,557.842	0	1,557.842	355.67		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	N2O	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.08337926	lb/MM cu. ft.		0.01	0.026	0	0.026	0.01		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	CH4	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.08337926	lb/MM cu. ft.		0.01	0.026	0	0.026	0.01		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	POM	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	6.73E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA		MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 3)	2-Methylnaphthalene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00									

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)	Units	Controlled Emission Rate (lb/day)
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Fluoranthene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Fluorene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Phenanthrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Pyrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Benzene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Dichlorobenzene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Formaldehyde	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.		0.00	0.001	0	0.001	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Hexane	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.		0.01	0.023	0	0.023	0.01		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Naphthalene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Toluene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Arsenic	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Cadmium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Chromium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Cobalt	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Manganese	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Mercury	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Nickel	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Barium	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Copper	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	8.50E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Molybdenum	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Vanadium	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.30E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Zinc	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.90E-02	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Beryllium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.20E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 4)	Selenium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	Nox	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	100	lb/MM cu. ft.		0.29	1.268	50	0.634	0.14		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	PM10	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.6	lb/MM cu. ft.		0.02	0.096	0	0.096	0.02		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	PM2.5	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.6	lb/MM cu. ft.		0.02	0.096	0	0.096	0.02		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	Total PM	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.6	lb/MM cu. ft.		0.02	0.096	0	0.096	0.02		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	SO2	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	0.6	lb/MM cu. ft.		0.00	0.008	0	0.008	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	Carbon Monoxide	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	84	lb/MM cu. ft.		0.24	1.065	0	1.065	0.24		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	VOC	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	5.5	lb/MM cu. ft.		0.02	0.070	0	0.070	0.02		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	Pb	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	0.0005	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	Carbon Dioxide	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	122847.165	lb/MM cu. ft.		355.67	1,557.842	0	1,557.842	355.67		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	N2O	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.08337926	lb/MM cu. ft.		0.01	0.026	0	0.026	0.01		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	CH4	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.08337926	lb/MM cu. ft.		0.01	0.026	0	0.026	0.01		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	POM	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	6.73E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	2-Methylnaphthalene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	3-Methylchloranthrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.60E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 5)	Acenaphthene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000		NA	NA	MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Phenanthrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Pyrene	Y	[8]	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Benzene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Dichlorobenzene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Formaldehyde	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.	0.00	0.001	0	0.001	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Hexane	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.	0.01	0.023	0	0.023	0.01
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Naphthalene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Toluene	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Arsenic	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Cadmium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Chromium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Cobalt	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Manganese	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Mercury	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Nickel	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Barium	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Copper	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	8.50E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Molybdenum	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Vanadium	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.30E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Zinc	Y	N	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.90E-02	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Beryllium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	1.20E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	Selenium	Y	Y	0.003	MM cu. ft./hr	25.4	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CML AHU 6)	NOx	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	100	lb/MM cu. ft.	0.10	0.417	50	0.209	0.05
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	PM10	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.01	0.032	0	0.032	0.01
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	PM2.5	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.01	0.032	0	0.032	0.01
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Total PM	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.01	0.032	0	0.032	0.01
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	SO2	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	0.6	lb/MM cu. ft.	0.00	0.003	0	0.003	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Carbon Monoxide	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	84	lb/MM cu. ft.	0.08	0.350	0	0.350	0.08
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	VOC	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	5.5	lb/MM cu. ft.	0.01	0.023	0	0.023	0.01
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Pb	Y	Y	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	0.0005	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Carbon Dioxide	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	122847.165	lb/MM cu. ft.	117.00	512.448	0	512.448	117.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	N2O	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	2.08337926	lb/MM cu. ft.	0.00	0.009	0	0.009	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	CH4	Y	N	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	2.08337926	lb/MM cu. ft.	0.00	0.009	0	0.009	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	POM	Y	Y	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	6.73E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	2-Methylnaphthalene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	3-Methylchloranthrene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.60E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Acenaphthene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Acenaphthylene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Anthracene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	2.40E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Benzo(a)anthracene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Benzo(a)pyrene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Benzo(b)fluoranthene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Benzo(g,h)perylene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Benzo(k)fluoranthene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Chrysene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Dibenzo(a,h)anthracene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Fluoranthene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Fluorene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Phenanthrene	Y	[8]	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Benzene	Y	Y	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Dichlorobenzene	Y	Y	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Formaldehyde	Y	Y	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAN)	Hexane	Y	Y	0.001	MM cu. ft./hr	8.3	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.	0.00	0.			

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP (Y/N)	[A] Maximum Hourly Rate		[B] Maximum Annual Rate		[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)
										Units	Units	Units	Units														Units	Units	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Pyrene	Y	[8]	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	5.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Benzene	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Dichlorobenzene	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	1.20E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Formaldehyde	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	7.50E-02	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Hexane	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	1.80E+00	lb/MM cu. ft.		0.00	0.003	0	0.003	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Naphthalene	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	6.10E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Toluene	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	3.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Arsenic	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	2.00E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Cadmium	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Chromium	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	1.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Cobalt	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	8.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Manganese	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	3.80E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Mercury	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	2.60E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Nickel	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Barium	Y	N	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	4.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Copper	Y	N	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	8.50E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Molybdenum	Y	N	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Vanadium	Y	N	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	2.30E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Zinc	Y	N	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	2.90E-02	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Beryllium	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	1.20E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
	Conc B V		EU 302	No	Space Heating (Crushing)	Space Heating (Natural Gas Fired- Indirect CUBAS)	Selenium	Y	Y	0.000	MM cu. ft./hr	3.6	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		MM cu. ft./yr	0.000				MM cu. ft.	
NG Combustion	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	NOx	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	100	lb/MM cu. ft.		0.30	1.324	50	0.662	0.15		5.97	MM cu. ft./yr	0.149				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	PM10	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	7.6	lb/MM cu. ft.		0.02	0.101	0	0.101	0.02		5.97	MM cu. ft./yr	0.023				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	PM2.5	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	7.6	lb/MM cu. ft.		0.02	0.101	0	0.101	0.02		5.97	MM cu. ft./yr	0.023				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Total PM	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	7.6	lb/MM cu. ft.		0.02	0.101	0	0.101	0.02		5.97	MM cu. ft./yr	0.023				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	SO2	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	0.6	lb/MM cu. ft.		0.00	0.008	0	0.008	0.00		5.97	MM cu. ft./yr	0.002				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Carbon Monoxide	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	84	lb/MM cu. ft.		0.25	1.112	0	1.112	0.25		5.97	MM cu. ft./yr	0.251				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	VOC	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	5.5	lb/MM cu. ft.		0.02	0.073	0	0.073	0.02		5.97	MM cu. ft./yr	0.016				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Pb	Y	Y	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	0.0005	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Carbon Dioxide	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	122847.165	lb/MM cu. ft.		371	1627	0	1627	371		5.97	MM cu. ft./yr	366.812					MM cu. ft.
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	N2O	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	2.08337926	lb/MM cu. ft.		0.01	0.028	0	0.028	0.01		5.97	MM cu. ft./yr	0.006				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	CH4	Y	N	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	2.08337926	lb/MM cu. ft.		0.01	0.028	0	0.028	0.01		5.97	MM cu. ft./yr	0.006				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	POM	Y	Y	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	6.73E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	2-Methylnaphthalene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	3-Methylchloranthrene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	1.60E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Acenaphthene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Acenaphthylene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Anthracene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	2.40E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(a)anthracene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(a)pyrene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(b)fluoranthene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(g,h)perylene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00		5.97	MM cu. ft./yr	0.000				MM cu. ft.	
	Flot V	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(k)fluoranthene	Y	[8]	0.003	MM cu. ft./hr	26.5	MM cu. ft./yr																	

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Hexane	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.	0.00	0.0003	0	0.003	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Naphthalene	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Toluene	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Arsenic	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cadmium	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Chromium	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cobalt	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Manganese	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Mercury	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Nickel	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Barium	Y	N	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Copper	Y	N	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	8.50E-04	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Molybdenum	Y	N	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Vanadium	Y	N	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	2.30E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Zinc	Y	N	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	2.90E-02	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Beryllium	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	1.20E-05	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Conc LO V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Selenium	Y	Y	0.0003	MM cu. ft./hr	3.0	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
NG Combustion	Rebuild V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	NOx	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	100	lb/MM cu. ft.	0.70	3.051	50	1.526	0.331
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	PM10	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.05	0.232	0	0.232	0.05
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	PM2.5	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.05	0.232	0	0.232	0.05
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Total PM	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	7.6	lb/MM cu. ft.	0.05	0.232	0	0.232	0.05
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	SO2	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	0.6	lb/MM cu. ft.	0.00	0.018	0	0.018	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Carbon Monoxide	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	84	lb/MM cu. ft.	0.59	2.563	0	2.563	0.59
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	VOC	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	5.3	lb/MM cu. ft.	0.04	0.168	0	0.168	0.04
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Pb	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	0.0005	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Carbon Dioxide	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	122847.165	lb/MM cu. ft.	856	3749	0	3,748.567	855.84
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	N2O	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	2.08337926	lb/MM cu. ft.	0.01	0.064	0	0.064	0.01
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	CH4	Y	N	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	2.08337926	lb/MM cu. ft.	0.01	0.064	0	0.064	0.01
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	POM	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	6.73E-04	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	2-Methylnaphthalene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	3-Methylchloranthrene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.60E-05	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Acenaphthene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Acenaphthylene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Anthracene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	2.40E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(a)anthracene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(a)pyrene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(b)fluoranthene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(g,h)perylene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(k)fluoranthene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Chrysene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Dibenz(a,h)anthracene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Fluoranthene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Fluorene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Phenanthrene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Pyrene	Y	[8]	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzene	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Dichlorobenzene	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Formaldehyde	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.	0.00	0.002	0	0.002	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Hexane	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.	0.01	0.055	0	0.055	0.01
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Naphthalene	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Toluene	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Arsenic	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cadmium	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Chromium	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.00
	Rebuild V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cobalt	Y	Y	0.0070	MM cu. ft./hr	61.0	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.	0.00	0.0000	0	0.0000	0.

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate		[B] Maximum Annual Rate		[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	a		b		e		[M] Maximum Daily rate (if different than hourly * 24)	Controlled Emission Rate (lb/day)
										Units	Units	[L] Projected Annual Rate	Units									Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	Units	Units			
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Toluene	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	3.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Arsenic	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	2.00E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cadmium	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Chromium	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	1.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cobalt	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	8.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Manganese	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	3.80E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Mercury	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	2.60E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Nickel	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Barium	Y	N	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	4.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Copper	Y	N	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	8.50E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Molybdenum	Y	N	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Vanadium	Y	N	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	2.30E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Zinc	Y	N	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	2.90E-02	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Beryllium	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	1.20E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Main WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Selenium	Y	Y	0.0026	MM cu. ft./hr	22.9	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	3.45	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
NG Combustion	Spare WH V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	NOx	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	100	lb/MM cu. ft.	0.21	2.894	50	0.467	0.11	2.84	MM cu. ft./yr	0.071	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	PM10	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	7.6	lb/MM cu. ft.	0.02	0.071	0	0.071	0.02	2.84	MM cu. ft./yr	0.011	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	PM2.5	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	7.6	lb/MM cu. ft.	0.02	0.071	0	0.071	0.02	2.84	MM cu. ft./yr	0.011	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Total PM	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	7.6	lb/MM cu. ft.	0.02	0.071	0	0.071	0.02	2.84	MM cu. ft./yr	0.011	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	SO2	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	0.6	lb/MM cu. ft.	0.00	0.006	0	0.006	0.00	2.84	MM cu. ft./yr	0.001	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Carbon Monoxide	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	84	lb/MM cu. ft.	0.18	0.785	0	0.785	0.18	2.84	MM cu. ft./yr	0.019	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	VOC	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	5.5	lb/MM cu. ft.	0.01	0.051	0	0.051	0.01	2.84	MM cu. ft./yr	0.008	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Pb	Y	Y	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	0.0005	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Carbon Dioxide	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	122847.165	lb/MM cu. ft.	262	1.149	0	1,148,522	262.22	2.84	MM cu. ft./yr	174.622	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	N2O	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	2.08337926	lb/MM cu. ft.	0.00	0.019	0	0.019	0.00	2.84	MM cu. ft./yr	0.003	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	CH4	Y	N	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	2.08337926	lb/MM cu. ft.	0.00	0.019	0	0.019	0.00	2.84	MM cu. ft./yr	0.003	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	POM	Y	Y	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	6.73E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	2-Methylnaphthalene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	3-Methylchloranthrene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.60E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Acenaphthene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Acenaphthylene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Anthracene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	2.40E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(a)anthracene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(a)pyrene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(b)fluoranthene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(g,h)perylene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(k)fluoranthene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Chrysene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Dibenz(a,h)anthracene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Fluoranthene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	3.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Fluorene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	2.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Spare WH V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.0021	MM cu. ft./hr	19	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00	2.84	MM cu. ft./yr							

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	a		b		c		[M] Maximum Daily rate (if different than hourly * 24)	Units	Controlled Emission Rate (lb/day)
																						[L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	Units			
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cadmium	Y	Y	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Chromium	Y	Y	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	1.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cobalt	Y	Y	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	8.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Manganese	Y	Y	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	3.80E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Mercury	Y	Y	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	2.60E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Nickel	Y	Y	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Barium	Y	N	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	4.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Copper	Y	N	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	8.50E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Molybdenum	Y	N	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Vanadium	Y	N	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	2.30E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Zinc	Y	N	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	2.90E-02	lb/MM cu. ft.		0.00	0.001	0	0.001	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Beryllium	Y	Y	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	1.20E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
	Hydromet V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Selenium	Y	Y	0.0066	MM cu. ft./hr	57.9	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	12.89	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.		
NG Combustion	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	NOx	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	100	lb/MM cu. ft.		0.41	1.789	50	0.899	0.20	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.194	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	PM10	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	7.6	lb/MM cu. ft.		0.03	0.136	0	0.136	0.03	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.030	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	PM2.5	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	7.6	lb/MM cu. ft.		0.03	0.136	0	0.136	0.03	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.030	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Total PM	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	7.6	lb/MM cu. ft.		0.03	0.136	0	0.136	0.03	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.030	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	SO2	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	0.6	lb/MM cu. ft.		0.01	0.011	0	0.011	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.002	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Carbon Monoxide	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	84	lb/MM cu. ft.		0.34	1.502	0	1.502	0.34	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.327	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	VOC	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	5.5	lb/MM cu. ft.		0.02	0.098	0	0.098	0.02	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.021	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Pb	Y	Y	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	0.0005	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Carbon Dioxide	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	122847.165	lb/MM cu. ft.		502	2197	0	2,197,285	501.66	7.78	MM cu. ft./yr	477.660	NA	NA		MM cu. ft.		
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	N2O	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	2.08337926	lb/MM cu. ft.		0.01	0.037	0	0.037	0.01	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.008	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	CH4	Y	N	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	2.08337926	lb/MM cu. ft.		0.01	0.037	0	0.037	0.01	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.008	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	POM	Y	Y	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	6.73E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	2-Methylnaphthalene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	3-Methylchloranthrene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.60E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Acenaphthene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Acenaphthylene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Anthracene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	2.40E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(a)anthracene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(a)pyrene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(b)fluoranthene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(g,h)perylene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Benzo(k)fluoranthene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Chrysene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Dibenz(a,h)anthracene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Fluoranthene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	3.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Fluorene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	2.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	7.78	MM cu. ft./yr	0.000	NA	NA		MM cu. ft.	0.000	
	Heat PI V	EU 302	EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.0041	MM cu. ft./hr	35.8	MM cu. ft./yr	1.8																

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Cobalt	Y	Y	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	8.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Manganese	Y	Y	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	3.80E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Mercury	Y	Y	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	2.60E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Nickel	Y	Y	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Barium	Y	N	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	4.40E-03	lb/MM cu. ft.	0.00	0.001	0	0.001	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Copper	Y	N	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	8.50E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Molybdenum	Y	N	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Vanadium	Y	N	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	2.30E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Zinc	Y	N	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	2.90E-02	lb/MM cu. ft.	0.00	0.004	0	0.004	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Beryllium	Y	Y	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	1.20E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	Gen Shop V		EU 302	Uncertain	Space Heating (other)	Space Heating (Natural Gas Fired)	Selenium	Y	Y	0.029	MM cu. ft./hr	257.9	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
Exist Gens		EU 128	EU 128	No	Emergency Engines	Existing Backup Generator 1	NOx	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	3.20	lb/MMBtu	36.16	9.040	0	9.040	36.16
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	PM10	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.06	lb/MMBtu	0.65	0.162	0	0.162	0.65
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	PM2.5	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.06	lb/MMBtu	0.63	0.157	0	0.157	0.63
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Total PM	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.10	lb/MMBtu	1.13	0.283	0	0.283	1.13
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	SO2	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.51	lb/MMBtu	5.71	1.427	0	1.427	5.71
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	H2SO4/SO3	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.01	lb/MMBtu	0.15	0.037	0	0.037	0.15
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Carbon Monoxide	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.85	lb/MMBtu	9.61	2.401	0	2.401	9.61
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	VOC	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.08	lb/MMBtu	0.93	0.231	0	0.231	0.93
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Carbon Dioxide	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	161.30	lb/MMBtu	1,822.64	455.660	0	455.660	1,822.64
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Benzene	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	7.76E-04	lb/MMBtu	0.01	0.002	0	0.002	0.01
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Toluene	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	2.81E-04	lb/MMBtu	0.00	0.001	0	0.001	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Xylene	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	1.93E-04	lb/MMBtu	0.00	0.001	0	0.001	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Formaldehyde	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	7.89E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Acetaldehyde	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	2.52E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Acrolein	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	7.88E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Naphthalene	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	1.30E-04	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Acenaphthylene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	9.23E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Acenaphthene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	4.68E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Fluorene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	1.28E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Phenanthrene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	4.08E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Anthracene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	1.23E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Fluoranthene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	4.03E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Pyrene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	3.71E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Benzo(a)anthracene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	6.22E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Chrysene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	1.53E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Benzo(b)fluoranthene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	1.11E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Benzo(k)fluoranthene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	2.18E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Benzo(a)pyrene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	2.57E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Indeno(1,2,3-cd)pyrene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	4.14E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Dibenz(a,h)anthracene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	3.46E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	Benzo(g,h,i)perylene	Y	[8]	11.300	MMBtu/hr	5,650	MMBtu/yr	5.56E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 108		EU 128	No	Emergency Engines	Existing Backup Generator 1	POM	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	2.10E-04	lb/MMBtu	0.00	0.001	0	0.001	0.00
Exist Gens		EU 129	EU 129	No	Emergency Engines	Existing Backup Generator 2	NOx	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	3.20	lb/MMBtu	36.16	9.040	0	9.040	36.16
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	PM10	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.06	lb/MMBtu	0.65	0.162	0	0.162	0.65
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	PM2.5	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.06	lb/MMBtu	0.63	0.157	0	0.157	0.63
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Total PM	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.10	lb/MMBtu	1.13	0.283	0	0.283	1.13
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	SO2	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.51	lb/MMBtu	5.71	1.427	0	1.427	5.71
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	H2SO4/SO3	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.01	lb/MMBtu	0.15	0.037	0	0.037	0.15
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Carbon Monoxide	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.85	lb/MMBtu	9.61	2.401	0	2.401	9.61
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	VOC	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	0.08	lb/MMBtu	0.93	0.231	0	0.231	0.93
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Carbon Dioxide	Y	N	11.300	MMBtu/hr	5,650	MMBtu/yr	161.30	lb/MMBtu	1,822.64	455.660	0	455.660	1,822.64
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Benzene	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	7.76E-04	lb/MMBtu	0.01	0.002	0	0.002	0.01
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Toluene	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	2.81E-04	lb/MMBtu	0.00	0.001	0	0.001	0.00
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Xylene	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	1.93E-04	lb/MMBtu	0.00	0.001	0	0.001	0.00
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Formaldehyde	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	7.89E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Acetaldehyde	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	2.52E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Acrolein	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	7.88E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 109		EU 129	No	Emergency Engines	Existing Backup Generator 2	Naphthalene	Y	Y	11.300	MMBtu/hr	5,650	MMBtu/yr	1.30E-04	lb/MMBtu	0.00	0.000	0	0.000</	

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)		
Pumps	SV 304	EU 305	EU 304	No	Emergency Engines	Fire Pump #1	Benzofluoranthene	Y	[8]	0.532	MMBtu/hr	1.55E-07	lb/MMBtu		0.00	0.000	0	0.000	0.00		
	SV 304		EU 304	No	Emergency Engines	Fire Pump #1	Benzo(a)pyrene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	1.88E-07	lb/MMBtu		0.00	0.000	0	0.000	
	SV 304		EU 304	No	Emergency Engines	Fire Pump #1	Indeno(1,2,3-cd)pyrene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	3.75E-07	lb/MMBtu		0.00	0.000	0	0.000	
	SV 304		EU 304	No	Emergency Engines	Fire Pump #1	Dibenz(a,h)anthracene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	4.89E-07	lb/MMBtu		0.00	0.000	0	0.000	
	SV 304		EU 304	No	Emergency Engines	Fire Pump #1	Benzo(g,h,i)perylene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	1.60E-04	lb/MMBtu		0.00	0.000	0	0.000	
	SV 304		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	PM10	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	1.89	MMBtu/yr	1.89	0.474	0	0.474	1.89
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	NOx	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	0.533	lb/MMBtu		0.28	0.071	0	0.071
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	PM2.5	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	0.533	lb/MMBtu		0.28	0.071	0	0.071
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Total PM	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	0.533	lb/MMBtu		0.28	0.071	0	0.071
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	SO2	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	0.002	lb/MMBtu		0.000	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	H2SO4/SO3	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	0.001	lb/MMBtu		0.000	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Carbon Monoxide	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	0.950	lb/MMBtu		0.51	0.126	0	0.126
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	VOC	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	0.360	lb/MMBtu		0.19	0.048	0	0.048
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Carbon Dioxide	Y	N	0.532	MMBtu/hr	2.66	MMBtu/yr	161.296	lb/MMBtu		85.81	21.452	0	21.452
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Benzene	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	9.33E-04	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Toluene	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	4.09E-04	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Xylene	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	2.85E-04	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Propylene	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	2.58E-03	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	1,3-Butadiene	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	3.91E-05	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Formaldehyde	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	1.18E-03	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Acetaldehyde	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	7.67E-04	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Acrolein	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	9.25E-05	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Naphthalene	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	8.48E-05	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Acenaphthylene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	5.06E-06	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Acenaphthene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	1.42E-06	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Fluorene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	2.92E-05	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Phenanthrene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	2.94E-05	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Anthracene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	1.87E-06	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Fluoranthene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	7.61E-06	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Pyrene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	4.78E-06	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Benzo(a)anthracene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	1.68E-06	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Chrysene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	3.53E-07	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Benzo(b)fluoranthene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	9.91E-08	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Benzo(k)fluoranthene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	1.55E-07	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Benzo(a)pyrene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	1.88E-07	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Indeno(1,2,3-cd)pyrene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	3.75E-07	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Dibenz(a,h)anthracene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	5.83E-07	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	Benzo(g,h,i)perylene	Y	[8]	0.532	MMBtu/hr	2.66	MMBtu/yr	4.89E-07	lb/MMBtu		0.00	0.000	0	0.000
	SV 305		EU 305	EU 305	No	Emergency Engines	Fire Pump #2	PM10	Y	Y	0.532	MMBtu/hr	2.66	MMBtu/yr	1.60E-04	lb/MMBtu		0.00	0.000	0	0.000
	EU 325		SV 325	EU 325	EU 325	No	Emergency Engines	Fire Pump Fuel Tank	VOC	Y	N	7.600	gallon/hr	3.800	gallon/yr	2.25E-06	lb/gallon		0.00	0.000	0
Propane Comb	SV 427	EU 413	EU 413	No	Space Heating (other)	Administration Building New Boiler	PM10	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	0.7	Mgal	0.02	0.070	0	0.070	0.02	
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	PM2.5	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	0.7	Mgal	0.02	0.070	0	0.070	0.02	
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	Total PM	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	0.7	Mgal	0.02	0.070	0	0.070	0.02	
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	NOx	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	13.0	Mgal	0.30	1.307	0	1.307	0.30	
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	SO2	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	0.00	0.002	0	0.002	0.000			
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	Carbon Monoxide	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	7.5	Mgal	0.17	0.754	0	0.754	0.17	
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	VOC	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	0.8	Mgal	0.02	0.080	0	0.080	0.02	
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	Carbon Dioxide	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	12725	lb/Mgal	292.05	1,279.160	0	1,279.160	292.05	
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	CH4	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	0.2	lb/Mgal	0.00	0.018	0	0.018	0.00	
	SV 427		EU 413	No	Space Heating (other)	Administration Building New Boiler	N2O	Y	N	0.023	Mgal/hr	201.0	Mgal/yr	0.8	lb/Mgal	0.02	0.081	0	0.081	0.02	
	SV 430		EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	PM10	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	0.7	lb/Mgal	0.01	0.056	0	0.056	0.01
	SV 430		EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	PM2.5	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	0.7	lb/Mgal	0.01	0.056	0	0.056	0.01
	SV 430		EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	Total PM	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	0.7	lb/Mgal	0.01	0.056	0	0.056	0.01
	SV 430		EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	NOx	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	13.0	lb/Mgal	0.24	1.042	0	1.042	0.24
	SV 430		EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	SO2	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	0.00	0.002	0	0.002	0.000		
	SV 430		EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	Carbon Monoxide	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	7.5	lb/Mgal	0.14	0.601	0	0.601	0.14
SV 430	EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	VOC	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	0.8	lb/Mgal	0.01	0.064	0	0.064	0.01		
SV 430	EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	Carbon Dioxide	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	12725	lb/Mgal	232.94	1,020.282	0	1,020.282	232.94		
SV 430	EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	CH4	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	0.2	lb/Mgal	0.00	0.015	0	0.015	0.00		
SV 430	EU 417	EU 417	No	Space Heating (other)	Administration Building Old Boiler (Backup)	N2O	Y	N	0.018	Mgal/hr	160.4	Mgal/yr	0.8	lb/Mgal	0.01	0.065	0	0.065	0.01		
Propane Comb	Area1BV	EU 334	EU 334	Uncertain	Area 1 and Area 2	Area 1 Shop Space Heaters (propane fired - indirect)	PM10	Y	N	0.118	Mgal/hr	1031.2	Mgal/yr	0.8	lb/Mgal	0.08	0.361	0	0.361	0.08	
	Area1BV		EU 334	Uncertain	Area 1 and Area 2	Area 1 Shop Space Heaters (propane fired - indirect)	PM2.5	Y	N	0.118	Mgal/hr	1031.2	Mgal/yr	0.7	lb/Mgal						

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)	Units	Controlled Emission Rate (lb/day)
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	POM	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	6.73E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	2-Methylnaphthalene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	3-Methylchloranthrene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	7,12-Dimethylbenz(a)anthracene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.60E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Acenaphthene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Acenaphthylene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Anthracene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.40E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Benzo(a)anthracene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Benzo(a)pyrene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Benzo(b)fluoranthene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Benzo(g,h,i)perylene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Benzo(k)fluoranthene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Chrysene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Dibenzo(a,h)anthracene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Fluoranthene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	3.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Fluorene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Phenanthrene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.70E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Pyrene	Y	[8]	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	5.00E-06	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Benzene	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Dichlorobenzene	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.20E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Formaldehyde	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	7.50E-02	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Hexane	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.80E+00	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Naphthalene	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	6.10E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Toluene	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	3.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Arsenic	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.00E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Cadmium	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Chromium	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Cobalt	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	8.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Manganese	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	3.80E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Mercury	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.60E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Nickel	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Barium	Y	N	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	4.40E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Copper	Y	N	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	8.50E-04	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Molybdenum	Y	N	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.10E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Vanadium	Y	N	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.30E-03	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Zinc	Y	N	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.90E-02	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Beryllium	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	1.20E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
	SV 428		EU 415	Uncertain	WWTP	Tailings Basin WWTP Process Fuel Combustion - natural gas (if needed)	Selenium	Y	Y	0.000	MM cu. ft./hr	0.0	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.		0.00	0.000	0	0.000	0.00	0.0	MM cu. ft./yr	0.000	NA	NA		MMcf	
HCl Tank	TBWWTBPV	EU 416	EU 416	Uncertain	WWTP	Tailings Basin WWTP Acid Tank	HCl	Y	Y	0.152	ton/hr	1329.7	ton/yr	0.1	lb/ton		0.02	0.066	0	0.066	0.02	0.0	1156.3	Mgal/yr	0.058	NA	NA		Mgal
HCl Unload	TBWWTBPV	EU 418	EU 418	Uncertain	WWTP	Tailings Basin WWTP Acid Unloading	HCl	Y	Y	96.356	ton/hr	1329.7	ton/yr	0.1	lb/ton		9.64	0.066	0	0.066	9.64	0.0	1156.3	Mgal/yr	0.058	NA	NA		Mgal
NG Combustion	TBWWTBPV	EU 414	EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	NOx	Y	N	0.008	MM cu. ft./hr	69.2	MM cu. ft./yr	100.0	MM cu. ft.		0.79	3.462	50	0.731	0.40	0.0	27.7	MM cu. ft./yr	0.692	NA	NA		MMcf
	TBWWTBPV	EU 414	EU 4																										

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Dibenz(a,h)anthracene	Y	[8]	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.20E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Fluoranthene	Y	[8]	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	3.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Fluorene	Y	[8]	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	2.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Indeno(1,2,3-cd)pyrene	Y	[8]	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.80E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Phenanthrene	Y	[8]	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.70E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Pyrene	Y	[8]	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	5.00E-06	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Benzene	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Dichlorobenzene	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.20E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Formaldehyde	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	7.50E-02	lb/MM cu. ft.	0.00	0.003	0	0.003	0.01
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Hexane	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.80E+00	lb/MM cu. ft.	0.01	0.062	0	0.062	0.01
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Naphthalene	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	6.10E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Toluene	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	3.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Arsenic	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	2.00E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Cadmium	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Chromium	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Cobalt	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	8.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Manganese	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	3.80E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Mercury	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	2.60E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Nickel	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	2.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Barium	Y	N	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	4.40E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Copper	Y	N	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	8.50E-04	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Molybdenum	Y	N	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.10E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Vanadium	Y	N	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	2.30E-03	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Zinc	Y	N	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	2.90E-02	lb/MM cu. ft.	0.00	0.001	0	0.001	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Beryllium	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	1.20E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
	TBWWTBVB		EU 414	Uncertain	WWTP	Tailings Basin WWTP Space Heaters (natural gas fired)	Selenium	Y	Y	0.008	MM cu. ft./hr	69.2	MM cu. ft./hr	2.40E-05	lb/MM cu. ft.	0.00	0.000	0	0.000	0.00
EU 412	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	NOx	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	3.2	lb/MMBtu	16.76	4.189	0	4.189	16.76
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	PM10	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	0.0573	lb/MMBtu	0.30	0.075	0	0.075	0.30
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Total PM	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	0.1	lb/MMBtu	0.52	0.131	0	0.131	0.52
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	PM2.5	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	0.0556	lb/MMBtu	0.29	0.073	0	0.073	0.29
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	SO2	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	0.505	lb/MMBtu	2.64	0.661	0	0.661	2.64
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	H2SO4/SO3	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	0.013	lb/MMBtu	0.07	0.017	0	0.017	0.07
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Carbon Monoxide	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	0.85	lb/MMBtu	4.45	1.113	0	1.113	4.45
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	VOC	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	0.0819	lb/MMBtu	0.43	0.107	0	0.107	0.43
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Carbon Dioxide	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	161.29575	lb/MMBtu	844.54	211.136	0	211.136	844.54
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Benzene	Y	Y	5.236	MMBtu/hr	2618.0	MMBtu/hr	7.76E-04	lb/MMBtu	0.00	0.001	0	0.001	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Toluene	Y	Y	5.236	MMBtu/hr	2618.0	MMBtu/hr	2.81E-04	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Xylene	Y	Y	5.236	MMBtu/hr	2618.0	MMBtu/hr	1.93E-04	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Formaldehyde	Y	N	5.236	MMBtu/hr	2618.0	MMBtu/hr	7.89E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Acetaldehyde	Y	Y	5.236	MMBtu/hr	2618.0	MMBtu/hr	2.52E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Acrolein	Y	Y	5.236	MMBtu/hr	2618.0	MMBtu/hr	7.89E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Naphthalene	Y	Y	5.236	MMBtu/hr	2618.0	MMBtu/hr	1.30E-04	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Acenaphthylene	Y	Y	5.236	MMBtu/hr	2618.0	MMBtu/hr	9.23E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Acenaphthene	Y	Y	5.236	MMBtu/hr	2618.0	MMBtu/hr	4.68E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Fluorene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	1.28E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Phenanthrene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	4.08E-05	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Anthracene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	1.23E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Fluoranthene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	4.03E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Pyrene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	3.71E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Benzo(a)anthracene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	6.22E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Chrysene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	1.53E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Benzo(b)fluoranthene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	1.11E-06	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Benzo(k)fluoranthene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	2.18E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Benzo(a)pyrene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	2.57E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Indeno(1,2,3-cd)pyrene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	4.14E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Dibenz(a,h)anthracene	Y	[6]	5.236	MMBtu/hr	2618.0	MMBtu/hr	3.46E-07	lb/MMBtu	0.00	0.000	0	0.000	0.00
	SV 426	EU 412	EU 412	No	WWTP	Tailings Basin WWTP Back-up Generator	Benzo(g,h,i)perylene	Y	[6]	5.236	MMBtu									

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/Unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)		
SV 004		EU 004	No	Crushing Plant	South 60' Crusher	Hafnium	Y	N	9,540,000	#³ ex./hr	83,570,400,000	#³ ex./yr	6.54E-11	lb/r³ ex.	0.00	0.003	99	0.000	0.000	0.00			
SV 004		EU 004	No	Crushing Plant	South 60' Crusher	Tellurium	Y	N	9,540,000	#³ ex./hr	83,570,400,000	#³ ex./yr	1.52E-09	lb/r³ ex.	0.01	0.064	99	0.001	0.000	0.00			
SV 004		EU 004	No	Crushing Plant	South 60' Crusher	Fluorides (as F)	Y	N	9,540,000	#³ ex./hr	83,570,400,000	#³ ex./yr	6.39E-09	lb/r³ ex.	0.06	0.267	99	0.003	0.000	0.00			
SV 004		EU 004	No	Crushing Plant	South 60' Crusher	Crystalline Silica	Y	N	9,540,000	#³ ex./hr	83,570,400,000	#³ ex./yr	3.57E-07	lb/r³ ex.	3.41	14.923	99	0.149	0.03	0.00			
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	PM10	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	3.57E-05	lb/r³ ex.	64.93	284.387	99	2.844	0.65	15,925,680,000	#³ ex./yr	2,844	0.65
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	PM2.5	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	3.57E-05	lb/r³ ex.	64.93	284.387	99	2.844	0.65	15,925,680,000	#³ ex./yr	2,844	0.65
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Total PM	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	3.57E-05	lb/r³ ex.	64.93	284.387	99	2.844	0.65	15,925,680,000	#³ ex./yr	2,844	0.65
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Antimony	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.61E-10	lb/r³ ex.	0.0003	0.001	99	0.00001	0.00000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Arsenic	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	3.67E-10	lb/r³ ex.	0.000	0.003	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Beryllium	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.82E-11	lb/r³ ex.	0.00	0.000	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Cadmium	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	3.18E-11	lb/r³ ex.	0.00	0.000	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Chromium	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	5.50E-09	lb/r³ ex.	0.01	0.044	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Cobalt	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	3.14E-09	lb/r³ ex.	0.01	0.025	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Pb	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.81E-10	lb/r³ ex.	0.00	0.001	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Manganese	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	5.36E-08	lb/r³ ex.	0.10	0.427	99	0.004	0.000	15,925,680,000	#³ ex./yr	0.004	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Mercury	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.64E-13	lb/r³ ex.	0.00	0.000	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Nickel	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	4.13E-08	lb/r³ ex.	0.08	0.329	99	0.003	0.000	15,925,680,000	#³ ex./yr	0.003	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Phosphorus	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.87E-08	lb/r³ ex.	0.03	0.149	99	0.001	0.000	15,925,680,000	#³ ex./yr	0.001	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Selenium	Y	Y	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.98E-10	lb/r³ ex.	0.00	0.002	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Barium	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.34E-08	lb/r³ ex.	0.02	0.107	99	0.001	0.000	15,925,680,000	#³ ex./yr	0.001	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Boron	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	7.07E-10	lb/r³ ex.	0.00	0.006	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Copper	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.43E-07	lb/r³ ex.	0.26	1.138	99	0.011	0.000	15,925,680,000	#³ ex./yr	0.011	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Molybdenum	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.54E-10	lb/r³ ex.	0.00	0.001	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Vanadium	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	6.07E-09	lb/r³ ex.	0.01	0.048	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Zinc	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	3.95E-09	lb/r³ ex.	0.01	0.031	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Hafnium	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	6.54E-11	lb/r³ ex.	0.00	0.001	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Tellurium	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	1.52E-09	lb/r³ ex.	0.01	0.012	99	0.000	0.000	15,925,680,000	#³ ex./yr	0.000	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Fluorides (as F)	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	6.39E-09	lb/r³ ex.	0.01	0.051	99	0.001	0.000	15,925,680,000	#³ ex./yr	0.001	0.000
SV 401	EU 401	EU 401	No	Crushing Plant	North 60 Distribution Box and 36' Crushers	Crystalline Silica	Y	N	1,818,000	#³ ex./hr	15,925,680,000	#³ ex./yr	3.57E-07	lb/r³ ex.	0.65	2.844	99	0.028	0.01	15,925,680,000	#³ ex./yr	0.028	0.01
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	PM10	Y	N	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	3.57E-05	lb/r³ ex.	47.14	206.486	99	2.065	0.47	11,563,200,000	#³ ex./yr	2,065	0.47
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	PM2.5	Y	N	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	3.57E-05	lb/r³ ex.	47.14	206.486	99	2.065	0.47	11,563,200,000	#³ ex./yr	2,065	0.47
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Total PM	Y	N	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	3.57E-05	lb/r³ ex.	47.14	206.486	99	2.065	0.47	11,563,200,000	#³ ex./yr	2,065	0.47
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Antimony	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.61E-10	lb/r³ ex.	0.0002	0.001	99	0.00001	0.00000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Arsenic	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	3.67E-10	lb/r³ ex.	0.00	0.002	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Beryllium	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.82E-11	lb/r³ ex.	0.00	0.000	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Cadmium	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	3.18E-11	lb/r³ ex.	0.00	0.000	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Chromium	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	5.50E-09	lb/r³ ex.	0.01	0.032	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Cobalt	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	3.14E-09	lb/r³ ex.	0.00	0.018	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Pb	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.81E-10	lb/r³ ex.	0.00	0.001	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Manganese	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	5.36E-08	lb/r³ ex.	0.07	0.310	99	0.003	0.000	11,563,200,000	#³ ex./yr	0.003	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Mercury	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.64E-13	lb/r³ ex.	0.00	0.000	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Nickel	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	4.13E-08	lb/r³ ex.	0.05	0.239	99	0.002	0.000	11,563,200,000	#³ ex./yr	0.002	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Phosphorus	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.87E-08	lb/r³ ex.	0.02	0.108	99	0.001	0.000	11,563,200,000	#³ ex./yr	0.001	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Selenium	Y	Y	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.98E-10	lb/r³ ex.	0.00	0.001	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Barium	Y	N	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.34E-08	lb/r³ ex.	0.02	0.078	99	0.001	0.000	11,563,200,000	#³ ex./yr	0.001	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Boron	Y	N	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	7.07E-10	lb/r³ ex.	0.00	0.004	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Copper	Y	N	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.43E-07	lb/r³ ex.	0.19	0.826	99	0.008	0.000	11,563,200,000	#³ ex./yr	0.008	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Molybdenum	Y	N	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	1.54E-10	lb/r³ ex.	0.00	0.001	99	0.000	0.000	11,563,200,000	#³ ex./yr	0.000	0.000
SV 005	EU 005	EU 005	Sometimes	Crushing Plant	North 36' Pan Feeders to Conveyor IA	Vanadium	Y	N	1,320,000	#³ ex./hr	11,563,200,000	#³ ex./yr	6.07E-09	lb/r³ ex.	0.01	0.035							

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	
Crush Sources	SV 404	EU 007	EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	PM10	Y	N	1,320,000	11,563,200,000	3.57E-05	# ³ ex./hr	47.14	206.486	99	2.065	0.47		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	PM2.5	Y	N	1,320,000	11,563,200,000	3.57E-05	lb/# ³ ex.	47.14	206.486	99	2.065	0.47		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Total PM	Y	N	1,320,000	11,563,200,000	3.57E-05	lb/# ³ ex.	47.14	206.486	99	2.065	0.47		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Antimony	Y	Y	1,320,000	11,563,200,000	1.61E-10	lb/# ³ ex.	0.0002	0.001	99	0.00001	0.00000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Arsenic	Y	Y	1,320,000	11,563,200,000	3.67E-10	lb/# ³ ex.	0.000	0.002	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Beryllium	Y	Y	1,320,000	11,563,200,000	1.82E-11	lb/# ³ ex.	0.00	0.000	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Cadmium	Y	Y	1,320,000	11,563,200,000	3.18E-11	lb/# ³ ex.	0.00	0.000	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Chromium	Y	Y	1,320,000	11,563,200,000	5.50E-09	lb/# ³ ex.	0.01	0.032	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Cobalt	Y	Y	1,320,000	11,563,200,000	3.14E-09	lb/# ³ ex.	0.00	0.018	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Pb	Y	Y	1,320,000	11,563,200,000	1.81E-10	lb/# ³ ex.	0.00	0.001	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Manganese	Y	Y	1,320,000	11,563,200,000	5.36E-08	lb/# ³ ex.	0.07	0.310	99	0.003	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Mercury	Y	Y	1,320,000	11,563,200,000	1.64E-13	lb/# ³ ex.	0.00	0.000	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Nickel	Y	Y	1,320,000	11,563,200,000	4.13E-08	lb/# ³ ex.	0.05	0.239	99	0.002	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Phosphorus	Y	Y	1,320,000	11,563,200,000	1.87E-08	lb/# ³ ex.	0.02	0.108	99	0.001	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Selenium	Y	Y	1,320,000	11,563,200,000	1.98E-10	lb/# ³ ex.	0.00	0.001	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Barium	Y	N	1,320,000	11,563,200,000	1.34E-08	lb/# ³ ex.	0.02	0.078	99	0.001	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Boron	Y	N	1,320,000	11,563,200,000	7.07E-10	lb/# ³ ex.	0.00	0.004	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Copper	Y	N	1,320,000	11,563,200,000	1.43E-07	lb/# ³ ex.	0.19	0.826	99	0.008	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Molybdenum	Y	N	1,320,000	11,563,200,000	1.54E-10	lb/# ³ ex.	0.00	0.001	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Vanadium	Y	N	1,320,000	11,563,200,000	6.07E-09	lb/# ³ ex.	0.01	0.035	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Zinc	Y	N	1,320,000	11,563,200,000	3.95E-09	lb/# ³ ex.	0.01	0.023	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Hafnium	Y	N	1,320,000	11,563,200,000	6.54E-11	lb/# ³ ex.	0.00	0.000	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Tellurium	Y	N	1,320,000	11,563,200,000	1.52E-09	lb/# ³ ex.	0.00	0.009	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Fluorides (as F)	Y	N	1,320,000	11,563,200,000	6.39E-09	lb/# ³ ex.	0.01	0.037	99	0.000	0.000		
	SV 404		EU 007	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1A	Crystalline Silica	Y	N	1,320,000	11,563,200,000	3.57E-07	lb/# ³ ex.	0.47	2.065	99	0.021	0.000		
	Crush Sources		SV 008	EU 008	EU 008	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1B	PM10	Y	N	1,320,000	11,563,200,000	3.57E-05	# ³ ex./hr	47.14	206.486	99	2.065	0.47
			SV 008		EU 008	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1B	PM2.5	Y	N	1,320,000	11,563,200,000	3.57E-05	lb/# ³ ex.	47.14	206.486	99	2.065	0.47
			SV 008		EU 008	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Total PM	Y	N	1,320,000	11,563,200,000	3.57E-05	lb/# ³ ex.	47.14	206.486	99	2.065	0.47
			SV 008		EU 008	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Antimony	Y	Y	1,320,000	11,563,200,000	1.61E-10	lb/# ³ ex.	0.0002	0.001	99	0.00001	0.00000
			SV 008		EU 008	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Arsenic	Y	Y	1,320,000	11,563,200,000	3.67E-10	lb/# ³ ex.	0.000	0.002	99	0.000	0.000
			SV 008		EU 008	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Beryllium	Y	Y	1,320,000	11,563,200,000	1.82E-11	lb/# ³ ex.	0.00	0.000	99	0.000	0.000
			SV 008		EU 008	Sometimes	Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Cadmium	Y	Y	1,320,000	11,563,200,000	3.18E-11	lb/# ³ ex.	0.00	0.000	99	0.000	0.000
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Chromium	Y	Y	1,320,000	11,563,200,000	5.50E-09	lb/# ³ ex.	0.01	0.032	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Cobalt	Y	Y	1,320,000	11,563,200,000	3.14E-09	lb/# ³ ex.	0.00	0.018	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Pb	Y	Y	1,320,000	11,563,200,000	1.81E-10	lb/# ³ ex.	0.00	0.001	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Manganese	Y	Y	1,320,000	11,563,200,000	5.36E-08	lb/# ³ ex.	0.07	0.310	99	0.003	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Mercury	Y	Y	1,320,000	11,563,200,000	1.64E-13	lb/# ³ ex.	0.00	0.000	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Nickel	Y	Y	1,320,000	11,563,200,000	4.13E-08	lb/# ³ ex.	0.05	0.239	99	0.002	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Phosphorus	Y	Y	1,320,000	11,563,200,000	1.87E-08	lb/# ³ ex.	0.02	0.108	99	0.001	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Selenium	Y	Y	1,320,000	11,563,200,000	1.98E-10	lb/# ³ ex.	0.00	0.001	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Barium	Y	N	1,320,000	11,563,200,000	1.34E-08	lb/# ³ ex.	0.02	0.078	99	0.001	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Boron	Y	N	1,320,000	11,563,200,000	7.07E-10	lb/# ³ ex.	0.00	0.004	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Copper	Y	N	1,320,000	11,563,200,000	1.43E-07	lb/# ³ ex.	0.19	0.826	99	0.008	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Molybdenum	Y	N	1,320,000	11,563,200,000	1.54E-10	lb/# ³ ex.	0.00	0.001	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Vanadium	Y	N	1,320,000	11,563,200,000	6.07E-09	lb/# ³ ex.	0.01	0.035	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Zinc	Y	N	1,320,000	11,563,200,000	3.95E-09	lb/# ³ ex.	0.01	0.023	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Hafnium	Y	N	1,320,000	11,563,200,000	6.54E-11	lb/# ³ ex.	0.00	0.000	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Tellurium	Y	N	1,320,000	11,563,200,000	1.52E-09	lb/# ³ ex.	0.00	0.009	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Fluorides (as F)	Y	N	1,320,000	11,563,200,000	6.39E-09	lb/# ³ ex.	0.01	0.037	99	0.000	0.000		
SV 008		EU 008	Sometimes		Crushing Plant	South 36" Pan Feeders to Conveyor 1B	Crystalline Silica	Y	N	1,320,000	11,563,200,000	3.57E-07	lb/# ³ ex.	0.47	2.065	99	0.021	0.000		
Crush Sources		SV 008	EU 009		EU 009	Sometimes	Crushing Plant	South Pan Feeders	PM10	Y	N	1,044,000	9,145,440,000	3.57E-05	# ³ ex./hr	37.29	163.311	99	1.633	0.37
		SV 008			EU 009	Sometimes	Crushing Plant	South Pan Feeders	PM2.5	Y	N	1,044,000	9,145,440,000	3.57E-05	lb/# ³ ex.	37.29	163.311	99	1.633	0.37
		SV 008			EU 009	Sometimes	Crushing Plant	South Pan Feeders	Total PM	Y	N	1,044,000	9,145,440,000	3.57E-05	lb/# ³ ex.	37.29	163.311	99	1.633	0.37
		SV 008			EU 009	Sometimes	Crushing Plant	South Pan Feeders	Antimony	Y	Y	1,044,000	9,145,440,000	1.61E-10	lb/# ³ ex.	0.0002	0.001	99	0.00001	0.00000
		SV 008			EU 009	Sometimes	Crushing Plant	South Pan Feeders	Arsenic	Y	Y	1,044,000	9,145,440,000	3.67E-10	lb/# ³ ex.	0.000	0.002	99	0.000	0.000
		SV 008			EU 009	Sometimes	Crushing Plant	South Pan Feeders	Beryllium	Y	Y	1,044,000	9,145,440,000	1.82E-11	lb/# ³ ex.	0.00	0.000	99	0.000	0.000
		SV 008			EU 009	Sometimes	Crushing Plant	South Pan Feeders	Cadmium	Y	Y	1,044,000	9,145,440,000	3.18E-11	lb/# ³ ex.	0.00	0.000	99	0.000	0.000
	SV 008	EU 009		Sometimes	Crushing Plant	South Pan Feeders	Chromium	Y	Y	1,044,000	9,145,440,000	5.50E-09	lb/# ³ ex.	0.01	0.025	99	0.000	0.000		
	SV 008	EU 009		Sometimes	Crushing Plant	South Pan Feeders	Cobalt	Y	Y	1,044,000	9,145,440,000	3.14E-09	lb/# ³ ex.	0.00	0.014	99	0.000	0.000		
	SV 008	EU 009		Sometimes	Crushing Plant	South Pan Feeders	Pb	Y	Y	1,044,000	9,145,440,00									

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate		[B] Maximum Annual Rate		[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Actual Annual Rate		Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)
										Units	Units	Units	Units									Units	Units				Units	Units	
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Arsenic	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.67E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Beryllium	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.82E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Cadmium	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.18E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Chromium	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	5.50E-09	lb/# ³ exh.	0.00	0.020	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Cobalt	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.14E-09	lb/# ³ exh.	0.00	0.011	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Pb	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.81E-10	lb/# ³ exh.	0.00	0.001	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Manganese	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	5.36E-08	lb/# ³ exh.	0.04	0.194	99	0.002	0.000	7,253,280,000	# ³ exh./yr	0.002	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Mercury	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.64E-13	lb/# ³ exh.	0.00	0.000	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Nickel	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	4.13E-08	lb/# ³ exh.	0.03	0.150	99	0.001	0.000	7,253,280,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Phosphorus	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.87E-08	lb/# ³ exh.	0.02	0.068	99	0.001	0.000	7,253,280,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Selenium	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.98E-10	lb/# ³ exh.	0.00	0.001	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Barium	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.34E-08	lb/# ³ exh.	0.01	0.049	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Boron	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	7.07E-10	lb/# ³ exh.	0.00	0.003	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Copper	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.43E-07	lb/# ³ exh.	0.12	0.518	99	0.005	0.000	7,253,280,000	# ³ exh./yr	0.005	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Molybdenum	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.54E-10	lb/# ³ exh.	0.00	0.001	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Vanadium	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	6.07E-09	lb/# ³ exh.	0.01	0.022	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Zinc	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.95E-09	lb/# ³ exh.	0.00	0.014	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Hafnium	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	6.54E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Tellurium	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.52E-09	lb/# ³ exh.	0.00	0.006	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Fluorides (as F)	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	6.39E-09	lb/# ³ exh.	0.01	0.023	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 405		EU 011	Sometimes	Crushing Plant	Drive House 1 East Transfer	Crystalline Silica	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.57E-07	lb/# ³ exh.	0.30	1.295	99	0.013	0.000	7,253,280,000	# ³ exh./yr	0.013	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	PM10	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.57E-05	lb/# ³ exh.	29.57	129.523	99	1.295	0.30	7,253,280,000	# ³ exh./yr	1.295	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	PM2.5	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.57E-05	lb/# ³ exh.	29.57	129.523	99	1.295	0.30	7,253,280,000	# ³ exh./yr	1.295	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Total PM	Y	N	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.57E-05	lb/# ³ exh.	29.57	129.523	99	1.295	0.30	7,253,280,000	# ³ exh./yr	1.295	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Antimony	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.61E-10	lb/# ³ exh.	0.0001	0.001	99	0.00001	0.00000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Arsenic	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.67E-10	lb/# ³ exh.	0.00	0.001	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Beryllium	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.82E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Cadmium	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.18E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Chromium	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	5.50E-09	lb/# ³ exh.	0.00	0.020	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Cobalt	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	3.14E-09	lb/# ³ exh.	0.00	0.011	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Pb	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.81E-10	lb/# ³ exh.	0.00	0.001	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Manganese	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	5.36E-08	lb/# ³ exh.	0.04	0.194	99	0.002	0.000	7,253,280,000	# ³ exh./yr	0.002	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Mercury	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.64E-13	lb/# ³ exh.	0.00	0.000	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Nickel	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	4.13E-08	lb/# ³ exh.	0.03	0.150	99	0.001	0.000	7,253,280,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Phosphorus	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.87E-08	lb/# ³ exh.	0.02	0.068	99	0.001	0.000	7,253,280,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.	# ³ exh.		
	SV 406		EU 012	Sometimes	Crushing Plant	Drive House 1 West Transfer	Selenium	Y	Y	828,000	# ³ exh./hr	7,253,280,000	# ³ exh./yr	1.98E-10	lb/# ³ exh.	0.00	0.001	99	0.000	0.000	7,253,280,000	# ³ exh./yr	0.000	NA					

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate		[B] Maximum Annual Rate		[C] Emission Factor, (lb/ton)		Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/day)	[L] Projected Actual Annual Rate	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)
										Units	Units	Units	Units	Units	Units											Units	Units	
Crush Sources	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Cobalt	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.14E-09	lb/# ³ exh.	0.01	0.038	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Pb	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.81E-10	lb/# ³ exh.	0.00	0.002	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Manganese	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	5.36E-08	lb/# ³ exh.	0.15	0.653	99	0.007	0.00	24,387,840,000	# ³ exh./yr	0.007	NA	NA	# ³ exh.	# ³ exh.	0.007
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Mercury	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.64E-13	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Nickel	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	4.13E-08	lb/# ³ exh.	0.12	0.504	99	0.005	0.00	24,387,840,000	# ³ exh./yr	0.005	NA	NA	# ³ exh.	# ³ exh.	0.005
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Phosphorus	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.87E-08	lb/# ³ exh.	0.05	0.228	99	0.002	0.00	24,387,840,000	# ³ exh./yr	0.002	NA	NA	# ³ exh.	# ³ exh.	0.002
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Selenium	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.98E-10	lb/# ³ exh.	0.00	0.002	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Barium	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.34E-08	lb/# ³ exh.	0.04	0.164	99	0.002	0.00	24,387,840,000	# ³ exh./yr	0.002	NA	NA	# ³ exh.	# ³ exh.	0.002
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Boron	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	7.07E-10	lb/# ³ exh.	0.00	0.009	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Copper	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.43E-07	lb/# ³ exh.	0.40	1.742	99	0.017	0.00	24,387,840,000	# ³ exh./yr	0.017	NA	NA	# ³ exh.	# ³ exh.	0.017
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Molybdenum	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.54E-10	lb/# ³ exh.	0.00	0.002	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Vanadium	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	6.07E-09	lb/# ³ exh.	0.02	0.074	99	0.001	0.00	24,387,840,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.	# ³ exh.	0.001
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Zinc	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.95E-09	lb/# ³ exh.	0.01	0.048	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Hafnium	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	6.54E-11	lb/# ³ exh.	0.00	0.001	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Tellurium	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.52E-09	lb/# ³ exh.	0.00	0.019	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Fluorides (as F)	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	6.39E-09	lb/# ³ exh.	0.02	0.078	99	0.001	0.00	24,387,840,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.	# ³ exh.	0.001
	SV 409		EU 136	Sometimes	Crushing Plant	West Coarse Ore Bins	Crystalline Silica	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.57E-07	lb/# ³ exh.	0.99	4.355	99	0.044	0.01	24,387,840,000	# ³ exh./yr	0.044	NA	NA	# ³ exh.	# ³ exh.	0.044
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	PM10	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.57E-05	lb/# ³ exh.	99.43	435.497	99	4.355	0.99	24,387,840,000	# ³ exh./yr	4.355	NA	NA	# ³ exh.	# ³ exh.	4.355
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	PM2.5	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.57E-05	lb/# ³ exh.	99.43	435.497	99	4.355	0.99	24,387,840,000	# ³ exh./yr	4.355	NA	NA	# ³ exh.	# ³ exh.	4.355
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Total PM	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.57E-05	lb/# ³ exh.	99.43	435.497	99	4.355	0.99	24,387,840,000	# ³ exh./yr	4.355	NA	NA	# ³ exh.	# ³ exh.	4.355
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Antimony	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.61E-10	lb/# ³ exh.	0.0004	0.002	99	0.00002	0.00000	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Arsenic	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.67E-10	lb/# ³ exh.	0.00	0.004	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Beryllium	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.82E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Cadmium	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.18E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Chromium	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	5.50E-09	lb/# ³ exh.	0.02	0.067	99	0.001	0.00	24,387,840,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.	# ³ exh.	0.001
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Cobalt	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	3.14E-09	lb/# ³ exh.	0.01	0.043	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Manganese	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	5.36E-08	lb/# ³ exh.	0.15	0.653	99	0.007	0.00	24,387,840,000	# ³ exh./yr	0.007	NA	NA	# ³ exh.	# ³ exh.	0.007
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Mercury	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.64E-13	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Nickel	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	4.13E-08	lb/# ³ exh.	0.12	0.504	99	0.005	0.00	24,387,840,000	# ³ exh./yr	0.005	NA	NA	# ³ exh.	# ³ exh.	0.005
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Phosphorus	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.87E-08	lb/# ³ exh.	0.05	0.228	99	0.002	0.00	24,387,840,000	# ³ exh./yr	0.002	NA	NA	# ³ exh.	# ³ exh.	0.002
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Selenium	Y	Y	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.98E-10	lb/# ³ exh.	0.00	0.002	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Barium	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.34E-08	lb/# ³ exh.	0.04	0.164	99	0.002	0.00	24,387,840,000	# ³ exh./yr	0.002	NA	NA	# ³ exh.	# ³ exh.	0.002
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Boron	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	7.07E-10	lb/# ³ exh.	0.00	0.009	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.	# ³ exh.	0.000
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Copper	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.43E-07	lb/# ³ exh.	0.40	1.742	99	0.017	0.00	24,387,840,000	# ³ exh./yr	0.017	NA	NA	# ³ exh.	# ³ exh.	0.017
	SV 410		EU 136	Sometimes	Crushing Plant	East Coarse Ore Bins	Molybdenum	Y	N	2,784,000	# ³ exh./hr	24,387,840,000	# ³ exh./yr	1.54E-10	lb/# ³ exh.	0.00	0.002	99	0.000	0.00	24,387,840,000	# ³ exh./yr	0.000	NA	NA	#		

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/Unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)
Crush Sources	SV 013	EU 017	EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Nickel	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	4.13E-08	lb/#³ exh.	0.13	0.563	99	0.006	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Phosphorus	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.87E-08	lb/#³ exh.	0.06	0.254	99	0.003	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Selenium	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.98E-10	lb/#³ exh.	0.00	0.003	99	0.000	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Barium	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.34E-08	lb/#³ exh.	0.04	0.183	99	0.002	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Boron	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	7.07E-10	lb/#³ exh.	0.00	0.010	99	0.000	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Copper	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.43E-07	lb/#³ exh.	0.44	1.945	99	0.019	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Molybdenum	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.54E-10	lb/#³ exh.	0.00	0.002	99	0.000	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Vanadium	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	6.07E-09	lb/#³ exh.	0.02	0.083	99	0.001	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Zinc	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.95E-09	lb/#³ exh.	0.01	0.054	99	0.001	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Hafnium	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	6.54E-11	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Tellurium	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.52E-09	lb/#³ exh.	0.00	0.021	99	0.000	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Fluorides (as F)	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	6.39E-09	lb/#³ exh.	0.02	0.087	99	0.001	0.00	
	SV 013		EU 016	Sometimes	Crushing Plant	Fine Crushing - East 2	Crystalline Silica	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.57E-07	lb/#³ exh.	1.11	4.862	99	0.049	0.01	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	PM10	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.57E-05	lb/#³ exh.	111.00	486.180	99	4.862	1.11	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	PM2.5	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.57E-05	lb/#³ exh.	111.00	486.180	99	4.862	1.11	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Total PM	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.57E-05	lb/#³ exh.	111.00	486.180	99	4.862	1.11	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Antimony	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.61E-10	lb/#³ exh.	0.00005	0.002	99	0.00002	0.00000	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Arsenic	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.67E-10	lb/#³ exh.	0.00	0.005	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Beryllium	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.82E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Cadmium	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.18E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Chromium	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	5.50E-09	lb/#³ exh.	0.02	0.075	99	0.001	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Cobalt	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.14E-09	lb/#³ exh.	0.01	0.043	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Ph	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.81E-10	lb/#³ exh.	0.00	0.002	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Manganese	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	5.36E-08	lb/#³ exh.	0.17	0.729	99	0.007	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Mercury	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.64E-13	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Nickel	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	4.13E-08	lb/#³ exh.	0.13	0.563	99	0.006	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Phosphorus	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.87E-08	lb/#³ exh.	0.06	0.254	99	0.003	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Selenium	Y	Y	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.98E-10	lb/#³ exh.	0.00	0.003	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Barium	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.34E-08	lb/#³ exh.	0.04	0.183	99	0.002	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Boron	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	7.07E-10	lb/#³ exh.	0.00	0.010	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Copper	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.43E-07	lb/#³ exh.	0.44	1.945	99	0.019	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Molybdenum	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.54E-10	lb/#³ exh.	0.00	0.002	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Vanadium	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	6.07E-09	lb/#³ exh.	0.02	0.083	99	0.001	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Zinc	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.95E-09	lb/#³ exh.	0.01	0.054	99	0.001	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Hafnium	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	6.54E-11	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Tellurium	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	1.52E-09	lb/#³ exh.	0.00	0.021	99	0.000	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Fluorides (as F)	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	6.39E-09	lb/#³ exh.	0.02	0.087	99	0.001	0.00	
	SV 013		EU 017	Sometimes	Crushing Plant	Fine Crushing - East 3	Crystalline Silica	Y	N	3,108,000 #³ exh./hr	27,226,080.000 #³ exh./yr	3.57E-07	lb/#³ exh.	1.11	4.862	99	0.049	0.01	
	SV 014		EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	PM10	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	3.57E-05	lb/#³ exh.	102.86	450.514	99	4.505	1.03	
	SV 014		EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	PM2.5	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	3.57E-05	lb/#³ exh.	102.86	450.514	99	4.505	1.03	
	SV 014		EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Total PM	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	3.57E-05	lb/#³ exh.	102.86	450.514	99	4.505	1.03	
	SV 014		EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Antimony	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.61E-10	lb/#³ exh.	0.00005	0.002	99	0.00002	0.00000	
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Arsenic	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	3.67E-10	lb/#³ exh.	0.00	0.005	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Beryllium	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.82E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Cadmium	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	3.18E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Chromium	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	5.50E-09	lb/#³ exh.	0.02	0.069	99	0.001	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Cobalt	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	3.14E-09	lb/#³ exh.	0.01	0.040	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Ph	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.81E-10	lb/#³ exh.	0.00	0.002	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Manganese	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	5.36E-08	lb/#³ exh.	0.15	0.676	99	0.007	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Mercury	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.64E-13	lb/#³ exh.	0.00	0.000	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Nickel	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	4.13E-08	lb/#³ exh.	0.12	0.521	99	0.005	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Phosphorus	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.87E-08	lb/#³ exh.	0.05	0.236	99	0.002	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Selenium	Y	Y	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.98E-10	lb/#³ exh.	0.00	0.002	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Barium	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.34E-08	lb/#³ exh.	0.04	0.170	99	0.002	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Boron	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	7.07E-10	lb/#³ exh.	0.00	0.009	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Copper	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.43E-07	lb/#³ exh.	0.41	1.802	99	0.018	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Molybdenum	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	1.54E-10	lb/#³ exh.	0.00	0.002	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Vanadium	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	6.07E-09	lb/#³ exh.	0.02	0.077	99	0.001	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Zinc	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	3.95E-09	lb/#³ exh.	0.01	0.050	99	0.000	0.00			
SV 014	EU 018	Sometimes	Crushing Plant	Fine Crushing - West 1	Hafnium	Y	N	2,880,000 #³ exh./hr	25,228,800.000 #³ exh./yr	6.54E-1									

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)
Crush Sources	SV 013	EU 021	EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Boron	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	7.07E-10	lb/#³ exh.	0.00	0.010	99	0.000	0.00	
	SV 013		EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Copper	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	1.43E-07	lb/#³ exh.	0.44	1.945	99	0.019	0.00	
	SV 013		EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Molybdenum	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	1.54E-10	lb/#³ exh.	0.00	0.002	99	0.000	0.00	
	SV 013		EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Vanadium	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	6.07E-09	lb/#³ exh.	0.02	0.083	99	0.001	0.00	
	SV 013		EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Zinc	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	3.95E-09	lb/#³ exh.	0.01	0.054	99	0.001	0.00	
	SV 013		EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Hafnium	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	6.54E-11	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
	SV 013		EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Tellurium	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	1.52E-09	lb/#³ exh.	0.00	0.021	99	0.000	0.00	
	SV 013		EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Fluorides (as F)	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	6.39E-09	lb/#³ exh.	0.02	0.087	99	0.001	0.00	
	SV 013		EU 020	Sometimes	Crushing Plant	Fine Crushing - West 3	Crystalline Silica	Y	N	3,108,000	#³ exh./hr	27,226,080.000	#³ exh./yr	3.57E-07	lb/#³ exh.	1.11	4.862	99	0.049	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	PM10	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	3.57E-05	lb/#³ exh.	51.86	227.134	99	2.271	0.52	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	PM2.5	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	3.57E-05	lb/#³ exh.	51.86	227.134	99	2.271	0.52	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Total PM	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	3.57E-05	lb/#³ exh.	51.86	227.134	99	2.271	0.52	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Antimony	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.61E-10	lb/#³ exh.	0.0002	0.001	99	0.00001	0.00000	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Arsenic	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	3.67E-10	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Beryllium	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.82E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Cadmium	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	3.18E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Chromium	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	5.50E-09	lb/#³ exh.	0.01	0.035	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Cobalt	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	3.14E-09	lb/#³ exh.	0.00	0.020	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Pb	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.81E-10	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Manganese	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	5.36E-08	lb/#³ exh.	0.08	0.341	99	0.003	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Mercury	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.64E-13	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Nickel	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	4.13E-08	lb/#³ exh.	0.06	0.263	99	0.003	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Phosphorus	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.87E-08	lb/#³ exh.	0.03	0.119	99	0.001	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Selenium	Y	Y	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.98E-10	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Barium	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.34E-08	lb/#³ exh.	0.02	0.086	99	0.001	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Boron	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	7.07E-10	lb/#³ exh.	0.00	0.004	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Copper	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.43E-07	lb/#³ exh.	0.21	0.909	99	0.009	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Molybdenum	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.54E-10	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Vanadium	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	6.07E-09	lb/#³ exh.	0.01	0.039	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Zinc	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	3.95E-09	lb/#³ exh.	0.01	0.025	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Hafnium	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	6.54E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Tellurium	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	1.52E-09	lb/#³ exh.	0.00	0.010	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Fluorides (as F)	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	6.39E-09	lb/#³ exh.	0.01	0.041	99	0.000	0.00	
	SV 014		EU 021	Sometimes	Crushing Plant	Transfer Point - Conveyors	Crystalline Silica	Y	N	1,452,000	#³ exh./hr	12,719,520.000	#³ exh./yr	3.57E-07	lb/#³ exh.	0.52	2.271	99	0.023	0.01	
	Crush Sources		SV 408	EU 022	EU 022	No	Crushing Plant	North Transfer Point	PM10	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	3.57E-05	lb/#³ exh.	33.00	144.540	99	1.445
SV 408		EU 022	No		Crushing Plant	North Transfer Point	PM2.5	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	3.57E-05	lb/#³ exh.	33.00	144.540	99	1.445	0.33	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Total PM	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	3.57E-05	lb/#³ exh.	33.00	144.540	99	1.445	0.33	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Antimony	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.61E-10	lb/#³ exh.	0.0001	0.001	99	0.00001	0.00000	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Arsenic	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	3.67E-10	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Beryllium	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.82E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Cadmium	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	3.18E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Chromium	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	5.50E-09	lb/#³ exh.	0.01	0.022	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Cobalt	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	3.14E-09	lb/#³ exh.	0.00	0.013	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Pb	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.81E-10	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Manganese	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	5.36E-08	lb/#³ exh.	0.05	0.217	99	0.002	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Mercury	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.64E-13	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Nickel	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	4.13E-08	lb/#³ exh.	0.04	0.167	99	0.002	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Phosphorus	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.87E-08	lb/#³ exh.	0.02	0.076	99	0.001	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Selenium	Y	Y	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.98E-10	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Barium	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.34E-08	lb/#³ exh.	0.01	0.054	99	0.001	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Boron	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	7.07E-10	lb/#³ exh.	0.00	0.003	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Copper	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.43E-07	lb/#³ exh.	0.13	0.578	99	0.006	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Molybdenum	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.54E-10	lb/#³ exh.	0.00	0.001	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Vanadium	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	6.07E-09	lb/#³ exh.	0.01	0.025	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Zinc	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	3.95E-09	lb/#³ exh.	0.00	0.016	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Hafnium	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	6.54E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Tellurium	Y	N	924,000	#³ exh./hr	8,094,240.000	#³ exh./yr	1.52E-09	lb/#³ exh.	0.00	0.006	99	0.000	0.00	
SV 408		EU 022	No		Crushing Plant	North Transfer Point	Fluorides (as F)	Y	N	924,000	#										

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)
Crush Sources	SV 016	EU 406	EU 023	No	Crushing Plant	South Transfer Point	Zinc	Y	N	924.000	8,094,240.000	8.95E-09	lb/r ³ exch./hr	0.00	0.00	0.016	99	0.000	0.00
	SV 016		EU 023	No	Crushing Plant	South Transfer Point	Hafnium	Y	N	924.000	8,094,240.000	6.54E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	SV 016		EU 023	No	Crushing Plant	South Transfer Point	Tellurium	Y	N	924.000	8,094,240.000	1.52E-09	lb/r ³ exch./hr	0.00	0.006	99	0.000	0.00	
	SV 016		EU 023	No	Crushing Plant	South Transfer Point	Fluorides (as F)	Y	N	924.000	8,094,240.000	6.39E-09	lb/r ³ exch./hr	0.01	0.026	99	0.000	0.00	
	SV 016		EU 023	No	Crushing Plant	South Transfer Point	Crystalline Silica	Y	N	924.000	8,094,240.000	3.57E-07	lb/r ³ exch./hr	0.33	1.445	99	0.014	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	PM10	Y	N	300.000	2,628,000.000	3.57E-05	lb/r ³ exch./hr	10.71	46.929	99	0.469	0.11	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	PM2.5	Y	N	300.000	2,628,000.000	3.57E-05	lb/r ³ exch./hr	10.71	46.929	99	0.469	0.11	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Total PM	Y	N	300.000	2,628,000.000	3.57E-05	lb/r ³ exch./hr	10.71	46.929	99	0.469	0.11	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Antimony	Y	Y	300.000	2,628,000.000	1.61E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Arsenic	Y	Y	300.000	2,628,000.000	3.67E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Beryllium	Y	Y	300.000	2,628,000.000	1.82E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Cadmium	Y	Y	300.000	2,628,000.000	3.18E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Chromium	Y	Y	300.000	2,628,000.000	5.50E-09	lb/r ³ exch./hr	0.00	0.007	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Cobalt	Y	Y	300.000	2,628,000.000	3.14E-09	lb/r ³ exch./hr	0.00	0.004	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Pb	Y	Y	300.000	2,628,000.000	1.81E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Manganese	Y	Y	300.000	2,628,000.000	5.36E-08	lb/r ³ exch./hr	0.02	0.070	99	0.001	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Mercury	Y	Y	300.000	2,628,000.000	1.64E-13	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Nickel	Y	Y	300.000	2,628,000.000	4.13E-08	lb/r ³ exch./hr	0.01	0.054	99	0.001	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Phosphorus	Y	Y	300.000	2,628,000.000	1.87E-08	lb/r ³ exch./hr	0.01	0.025	99	0.000	0.00	
	Conc B V		EU 406	Yes	Crushing Plant	SS Tripper Car	Selenium	Y	Y	300.000	2,628,000.000	1.98E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Barium	Y	N	300.000	2,628,000.000	1.34E-08	lb/r ³ exch./hr	0.00	0.018	99	0.000	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Boron	Y	N	300.000	2,628,000.000	7.07E-10	lb/r ³ exch./hr	0.00	0.001	99	0.000	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Copper	Y	N	300.000	2,628,000.000	1.43E-07	lb/r ³ exch./hr	0.04	0.188	99	0.002	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Molybdenum	Y	N	300.000	2,628,000.000	1.54E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Vanadium	Y	N	300.000	2,628,000.000	6.07E-09	lb/r ³ exch./hr	0.00	0.008	99	0.000	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Zinc	Y	N	300.000	2,628,000.000	3.95E-09	lb/r ³ exch./hr	0.00	0.005	99	0.000	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Hafnium	Y	N	300.000	2,628,000.000	6.54E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Tellurium	Y	N	300.000	2,628,000.000	1.52E-09	lb/r ³ exch./hr	0.00	0.002	99	0.000	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Fluorides (as F)	Y	N	300.000	2,628,000.000	6.39E-09	lb/r ³ exch./hr	0.00	0.008	99	0.000	0.00			
Conc B V	EU 406	Yes	Crushing Plant	SS Tripper Car	Crystalline Silica	Y	N	300.000	2,628,000.000	3.57E-07	lb/r ³ exch./hr	0.11	0.469	99	0.005	0.00			
Crush Sources	Conc B V	EU 137	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	PM10	Y	N	264.000	2,312,640.000	3.57E-05	lb/r ³ exch./hr	9.43	41.297	99	0.413	0.09	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	PM2.5	Y	N	264.000	2,312,640.000	3.57E-05	lb/r ³ exch./hr	9.43	41.297	99	0.413	0.09	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Total PM	Y	N	264.000	2,312,640.000	3.57E-05	lb/r ³ exch./hr	9.43	41.297	99	0.413	0.09	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Antimony	Y	Y	264.000	2,312,640.000	1.61E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Arsenic	Y	Y	264.000	2,312,640.000	3.67E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Beryllium	Y	Y	264.000	2,312,640.000	1.82E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Cadmium	Y	Y	264.000	2,312,640.000	3.18E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Chromium	Y	Y	264.000	2,312,640.000	5.50E-09	lb/r ³ exch./hr	0.00	0.006	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Cobalt	Y	Y	264.000	2,312,640.000	3.14E-09	lb/r ³ exch./hr	0.00	0.004	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Pb	Y	Y	264.000	2,312,640.000	1.81E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Manganese	Y	Y	264.000	2,312,640.000	5.36E-08	lb/r ³ exch./hr	0.01	0.062	99	0.001	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Mercury	Y	Y	264.000	2,312,640.000	1.64E-13	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Nickel	Y	Y	264.000	2,312,640.000	4.13E-08	lb/r ³ exch./hr	0.01	0.048	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Phosphorus	Y	Y	264.000	2,312,640.000	1.87E-08	lb/r ³ exch./hr	0.00	0.022	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Selenium	Y	Y	264.000	2,312,640.000	1.98E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Barium	Y	N	264.000	2,312,640.000	1.34E-08	lb/r ³ exch./hr	0.00	0.016	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Boron	Y	N	264.000	2,312,640.000	7.07E-10	lb/r ³ exch./hr	0.00	0.001	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Copper	Y	N	264.000	2,312,640.000	1.43E-07	lb/r ³ exch./hr	0.04	0.165	99	0.002	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Molybdenum	Y	N	264.000	2,312,640.000	1.54E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Vanadium	Y	N	264.000	2,312,640.000	6.07E-09	lb/r ³ exch./hr	0.00	0.007	99	0.000	0.00	
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Zinc	Y	N	264.000	2,312,640.000	3.95E-09	lb/r ³ exch./hr	0.00	0.005	99	0.000	0.00			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Hafnium	Y	N	264.000	2,312,640.000	6.54E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Tellurium	Y	N	264.000	2,312,640.000	1.52E-09	lb/r ³ exch./hr	0.00	0.002	99	0.000	0.00			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Fluorides (as F)	Y	N	264.000	2,312,640.000	6.39E-09	lb/r ³ exch./hr	0.00	0.007	99	0.000	0.00			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Crystalline Silica	Y	N	264.000	2,312,640.000	3.57E-07	lb/r ³ exch./hr	0.09	0.413	99	0.004	0.00			
Crush Sources	Conc B V	EU 137	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	PM10	Y	N	264.000	2,312,640.000	3.57E-05	lb/r ³ exch./hr	9.43	41.297	99	0.413	0.09	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	PM2.5	Y	N	264.000	2,312,640.000	3.57E-05	lb/r ³ exch./hr	9.43	41.297	99	0.413	0.09	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Total PM	Y	N	264.000	2,312,640.000	3.57E-05	lb/r ³ exch./hr	9.43	41.297	99	0.413	0.09	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Antimony	Y	Y	264.000	2,312,640.000	1.61E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Arsenic	Y	Y	264.000	2,312,640.000	3.67E-10	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Beryllium	Y	Y	264.000	2,312,640.000	1.82E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Cadmium	Y	Y	264.000	2,312,640.000	3.18E-11	lb/r ³ exch./hr	0.00	0.000	99	0.000	0.00	
	Conc B V		EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Chromium	Y	Y										

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate		[B] Maximum Annual Rate		[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	a		b		c	
										Maximum Hourly Rate	Units	Maximum Annual Rate	Units									[L] Projected Actual Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)
Crush Sources	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Crystalline Silica	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,57E-07	lb/# ³ exh.	0.09	0.413	99	0.004	0.00	2,312,640,000	# ³ exh./yr	0.004	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	PM10	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,57E-05	lb/# ³ exh.	9.43	41,297	99	0.413	0.09	2,312,640,000	# ³ exh./yr	0.413	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	PM2.5	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,57E-05	lb/# ³ exh.	9.43	41,297	99	0.413	0.09	2,312,640,000	# ³ exh./yr	0.413	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Total PM	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,57E-05	lb/# ³ exh.	9.43	41,297	99	0.413	0.09	2,312,640,000	# ³ exh./yr	0.413	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Antimony	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,61E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Arsenic	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,67E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Beryllium	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,82E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Cadmium	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,18E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Chromium	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	5,50E-09	lb/# ³ exh.	0.00	0.006	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Cobalt	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,14E-09	lb/# ³ exh.	0.00	0.004	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Pb	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,81E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Manganese	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	5,36E-08	lb/# ³ exh.	0.01	0.062	99	0.001	0.00	2,312,640,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Mercury	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,64E-13	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Nickel	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	4,13E-08	lb/# ³ exh.	0.01	0.048	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Phosphorus	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,87E-08	lb/# ³ exh.	0.00	0.022	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Selenium	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,98E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Barium	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,34E-08	lb/# ³ exh.	0.00	0.016	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Boron	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	7,07E-10	lb/# ³ exh.	0.00	0.001	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Copper	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,43E-07	lb/# ³ exh.	0.04	0.165	99	0.002	0.00	2,312,640,000	# ³ exh./yr	0.002	NA	NA	# ³ exh.		
	Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Molybdenum	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,54E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.		
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Vanadium	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	6,07E-09	lb/# ³ exh.	0.00	0.007	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Zinc	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,95E-09	lb/# ³ exh.	0.00	0.005	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Hafnium	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	6,54E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Tellurium	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,52E-09	lb/# ³ exh.	0.00	0.002	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Fluorides (as F)	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	6,39E-09	lb/# ³ exh.	0.00	0.007	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Crystalline Silica	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,57E-07	lb/# ³ exh.	0.09	0.413	99	0.004	0.00	2,312,640,000	# ³ exh./yr	0.004	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	PM10	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,57E-05	lb/# ³ exh.	9.43	41,297	99	0.413	0.09	2,312,640,000	# ³ exh./yr	0.413	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	PM2.5	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,57E-05	lb/# ³ exh.	9.43	41,297	99	0.413	0.09	2,312,640,000	# ³ exh./yr	0.413	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Total PM	Y	N	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,57E-05	lb/# ³ exh.	9.43	41,297	99	0.413	0.09	2,312,640,000	# ³ exh./yr	0.413	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Antimony	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,61E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Arsenic	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,67E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Beryllium	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,82E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Cadmium	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,18E-11	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Chromium	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	5,50E-09	lb/# ³ exh.	0.00	0.006	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Cobalt	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	3,14E-09	lb/# ³ exh.	0.00	0.004	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Pb	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,81E-10	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Manganese	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	5,36E-08	lb/# ³ exh.	0.01	0.062	99	0.001	0.00	2,312,640,000	# ³ exh./yr	0.001	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Mercury	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	1,64E-13	lb/# ³ exh.	0.00	0.000	99	0.000	0.00	2,312,640,000	# ³ exh./yr	0.000	NA	NA	# ³ exh.			
Conc B V	EU 137	Yes	Crushing Plant	Fine Ore Storage - North	Nickel	Y	Y	264,000	# ³ exh./hr	2,312,640,000	# ³ exh./yr	4,13E-08	lb/# ³ exh.	0.01	0.0												

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate		[B] Maximum Annual Rate		[C] Emission Factor, (lb/unit)		Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Actual Annual Rate		Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)		[K] Design Stack Flow Rate, (acfm)		[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)
										Units	Units	Units	Units	Units	Units							Units	Units		Units	Units	Units	Units	Units	Units	
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Chromium	Y	Y	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	5,506-09	lb/ft³ exh.	0.00	0.006	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Cobalt	Y	Y	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	3,146-09	lb/ft³ exh.	0.00	0.004	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Pb	Y	Y	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	1,816-10	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Manganese	Y	Y	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	5,366-08	lb/ft³ exh.	0.01	0.062	99	0.001	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Mercury	Y	Y	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	1,646-13	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Nickel	Y	Y	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	4,136-08	lb/ft³ exh.	0.01	0.048	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Phosphorus	Y	Y	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	1,876-08	lb/ft³ exh.	0.00	0.022	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Selenium	Y	Y	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	1,986-10	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Barium	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	1,346-08	lb/ft³ exh.	0.00	0.016	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Boron	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	7,076-10	lb/ft³ exh.	0.00	0.001	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Copper	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	1,436-07	lb/ft³ exh.	0.04	0.165	99	0.002	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Molybdenum	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	1,546-10	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Vanadium	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	6,076-09	lb/ft³ exh.	0.00	0.007	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Zinc	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	3,956-09	lb/ft³ exh.	0.00	0.005	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Hafnium	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	6,546-11	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Tellurium	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	1,526-09	lb/ft³ exh.	0.00	0.002	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Fluorides (as F)	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	6,396-09	lb/ft³ exh.	0.00	0.007	99	0.000	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
	Conc B V		EU 138	Yes	Crushing Plant	Fine Ore Storage - South	Crystalline Silica	Y	N	264,000	#³ exh./hr	2,312,640,000	#³ exh./yr	3,576-07	lb/ft³ exh.	0.09	0.413	99	0.004	0.00	0	#³ exh./yr	0.000	NA	NA	#³ exh.					
Crush Sources	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	PM10	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	3,576-05	lb/ft³ exh.	58.71	257.169	99	2,572	0.59	14,401,440,000	#³ exh./yr	2,572	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	PM2.5	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	3,576-05	lb/ft³ exh.	58.71	257.169	99	2,572	0.59	14,401,440,000	#³ exh./yr	2,572	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Total PM	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	3,576-05	lb/ft³ exh.	58.71	257.169	99	2,572	0.59	14,401,440,000	#³ exh./yr	2,572	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Antimony	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,616-10	lb/ft³ exh.	0.0003	0.001	99	0.00001	0.00000	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Arsenic	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	3,676-10	lb/ft³ exh.	0.00	0.003	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Beryllium	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,826-11	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Cadmium	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	3,186-11	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Chromium	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	5,506-09	lb/ft³ exh.	0.01	0.040	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Cobalt	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	3,146-09	lb/ft³ exh.	0.01	0.023	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Pb	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,816-10	lb/ft³ exh.	0.00	0.001	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Manganese	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	5,366-08	lb/ft³ exh.	0.09	0.386	99	0.004	0.00	14,401,440,000	#³ exh./yr	0.004	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Mercury	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,646-13	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Nickel	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	4,136-08	lb/ft³ exh.	0.07	0.298	99	0.003	0.00	14,401,440,000	#³ exh./yr	0.003	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Phosphorus	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,876-08	lb/ft³ exh.	0.03	0.134	99	0.001	0.00	14,401,440,000	#³ exh./yr	0.001	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Selenium	Y	Y	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,986-10	lb/ft³ exh.	0.00	0.001	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Barium	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,346-08	lb/ft³ exh.	0.02	0.097	99	0.001	0.00	14,401,440,000	#³ exh./yr	0.001	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Boron	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	7,076-10	lb/ft³ exh.	0.00	0.005	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Copper	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,436-07	lb/ft³ exh.	0.23	1.029	99	0.010	0.00	14,401,440,000	#³ exh./yr	0.010	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Molybdenum	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,546-10	lb/ft³ exh.	0.00	0.001	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Vanadium	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	6,076-09	lb/ft³ exh.	0.01	0.044	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Zinc	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	3,956-09	lb/ft³ exh.	0.01	0.028	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Hafnium	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	6,546-11	lb/ft³ exh.	0.00	0.000	99	0.000	0.00	14,401,440,000	#³ exh./yr	0.000	NA	NA	#³ exh.					
	SV 413	EU 024	EU 024	No	Crushing Plant	Fine Ore Feeders - North 1-3	Tellurium	Y	N	1,644,000	#³ exh./hr	14,401,440,000	#³ exh./yr	1,526-09	lb/ft³ exh.	0.00	0.01														

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/Unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Barium	Y	N	1,644,000	0.02	1,344-08	lb/r ³ exh.	0.02	0.097	99	0.001	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Boron	Y	N	1,644,000	0.00	7,070-10	lb/r ³ exh.	0.00	0.005	99	0.000	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Copper	Y	N	1,644,000	0.23	1,435-07	lb/r ³ exh.	0.23	1.029	99	0.010	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Molybdenum	Y	N	1,644,000	0.00	1,540-10	lb/r ³ exh.	0.00	0.001	99	0.000	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Vanadium	Y	N	1,644,000	0.01	6,070-09	lb/r ³ exh.	0.01	0.044	99	0.000	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Zinc	Y	N	1,644,000	0.01	3,950-09	lb/r ³ exh.	0.01	0.028	99	0.000	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Hafnium	Y	N	1,644,000	0.00	6,540-11	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Tellurium	Y	N	1,644,000	0.00	1,520-09	lb/r ³ exh.	0.00	0.011	99	0.000	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Fluorides (as F)	Y	N	1,644,000	0.01	6,390-09	lb/r ³ exh.	0.01	0.046	99	0.000	0.00	
	SV 420		EU 408	No	Crushing Plant	Fine Ore Feeders - North 22-24	Crystalline Silica	Y	N	1,644,000	0.59	3,570-07	lb/r ³ exh.	0.59	2,572	99	0.026	0.01	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	PM10	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	PM2.5	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Total PM	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Antimony	Y	Y	1,644,000	0.00003	1,610-10	lb/r ³ exh.	0.00003	0.001	99	0.00001	0.00000	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Arsenic	Y	Y	1,644,000	0.00	3,670-10	lb/r ³ exh.	0.00	0.003	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Beryllium	Y	Y	1,644,000	0.00	1,820-11	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Cadmium	Y	Y	1,644,000	0.00	3,180-11	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Chromium	Y	Y	1,644,000	0.01	5,500-09	lb/r ³ exh.	0.01	0.040	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Cobalt	Y	Y	1,644,000	0.01	3,140-09	lb/r ³ exh.	0.01	0.023	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Pb	Y	Y	1,644,000	0.00	1,810-10	lb/r ³ exh.	0.00	0.001	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Manganese	Y	Y	1,644,000	0.09	5,360-08	lb/r ³ exh.	0.09	0.386	99	0.004	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Mercury	Y	Y	1,644,000	0.00	1,640-13	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Nickel	Y	Y	1,644,000	0.07	4,130-08	lb/r ³ exh.	0.07	0.298	99	0.003	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Phosphorus	Y	Y	1,644,000	0.03	1,870-08	lb/r ³ exh.	0.03	0.134	99	0.001	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Selenium	Y	Y	1,644,000	0.00	1,980-10	lb/r ³ exh.	0.00	0.001	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Barium	Y	N	1,644,000	0.02	1,340-08	lb/r ³ exh.	0.02	0.097	99	0.001	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Boron	Y	N	1,644,000	0.00	7,070-10	lb/r ³ exh.	0.00	0.005	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Copper	Y	N	1,644,000	0.23	1,435-07	lb/r ³ exh.	0.23	1.029	99	0.010	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Molybdenum	Y	N	1,644,000	0.00	1,540-10	lb/r ³ exh.	0.00	0.001	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Vanadium	Y	N	1,644,000	0.01	6,070-09	lb/r ³ exh.	0.01	0.044	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Zinc	Y	N	1,644,000	0.01	3,950-09	lb/r ³ exh.	0.01	0.028	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Hafnium	Y	N	1,644,000	0.00	6,540-11	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Tellurium	Y	N	1,644,000	0.00	1,520-09	lb/r ³ exh.	0.00	0.011	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Fluorides (as F)	Y	N	1,644,000	0.01	6,390-09	lb/r ³ exh.	0.01	0.046	99	0.000	0.00	
	SV 421	EU 030	EU 030	No	Crushing Plant	Fine Ore Feeders - South 1-3	Crystalline Silica	Y	N	1,644,000	0.59	3,570-07	lb/r ³ exh.	0.59	2,572	99	0.026	0.01	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	PM10	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	PM2.5	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Total PM	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Antimony	Y	Y	1,644,000	0.00003	1,610-10	lb/r ³ exh.	0.00003	0.001	99	0.00001	0.00000	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Arsenic	Y	Y	1,644,000	0.00	3,670-10	lb/r ³ exh.	0.00	0.003	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Beryllium	Y	Y	1,644,000	0.00	1,820-11	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Cadmium	Y	Y	1,644,000	0.00	3,180-11	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Chromium	Y	Y	1,644,000	0.01	5,500-09	lb/r ³ exh.	0.01	0.040	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Cobalt	Y	Y	1,644,000	0.01	3,140-09	lb/r ³ exh.	0.01	0.023	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Pb	Y	Y	1,644,000	0.00	1,810-10	lb/r ³ exh.	0.00	0.001	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Manganese	Y	Y	1,644,000	0.09	5,360-08	lb/r ³ exh.	0.09	0.386	99	0.004	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Mercury	Y	Y	1,644,000	0.00	1,640-13	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Nickel	Y	Y	1,644,000	0.07	4,130-08	lb/r ³ exh.	0.07	0.298	99	0.003	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Phosphorus	Y	Y	1,644,000	0.03	1,870-08	lb/r ³ exh.	0.03	0.134	99	0.001	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Selenium	Y	Y	1,644,000	0.00	1,980-10	lb/r ³ exh.	0.00	0.001	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Barium	Y	N	1,644,000	0.02	1,340-08	lb/r ³ exh.	0.02	0.097	99	0.001	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Boron	Y	N	1,644,000	0.00	7,070-10	lb/r ³ exh.	0.00	0.005	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Copper	Y	N	1,644,000	0.23	1,435-07	lb/r ³ exh.	0.23	1.029	99	0.010	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Molybdenum	Y	N	1,644,000	0.00	1,540-10	lb/r ³ exh.	0.00	0.001	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Vanadium	Y	N	1,644,000	0.01	6,070-09	lb/r ³ exh.	0.01	0.044	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Zinc	Y	N	1,644,000	0.01	3,950-09	lb/r ³ exh.	0.01	0.028	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Hafnium	Y	N	1,644,000	0.00	6,540-11	lb/r ³ exh.	0.00	0.000	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Tellurium	Y	N	1,644,000	0.00	1,520-09	lb/r ³ exh.	0.00	0.011	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Fluorides (as F)	Y	N	1,644,000	0.01	6,390-09	lb/r ³ exh.	0.01	0.046	99	0.000	0.00	
	SV 422	EU 031	EU 031	No	Crushing Plant	Fine Ore Feeders - South 4-6	Crystalline Silica	Y	N	1,644,000	0.59	3,570-07	lb/r ³ exh.	0.59	2,572	99	0.026	0.01	
	SV 423	EU 032	EU 032	No	Crushing Plant	Fine Ore Feeders - South 7-9	PM10	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 423	EU 032	EU 032	No	Crushing Plant	Fine Ore Feeders - South 7-9	PM2.5	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 423	EU 032	EU 032	No	Crushing Plant	Fine Ore Feeders - South 7-9	Total PM	Y	N	1,644,000	58.71	3,570-05	lb/r ³ exh.	58.71	257,169	99	2,572	0.59	
	SV 423	EU 032	EU 032	No	Crushing Plant	Fine Ore Feeders - South 7-9	Antimony	Y	Y	1,644,000	0.00003	1,610-10	lb/r ³ exh.	0.00003	0.001	99	0.00001	0.00000	
	SV 423	EU 032	EU 032	No	Crushing Plant	Fine Ore Feeders - South 7-9	Arsenic	Y	Y	1,644,000	0.00	3,670-10	lb/r ³ exh.	0.00	0.003	99	0.000	0.00	
	SV 423	EU 032	EU 032	No	Crushing Plant	Fine Ore Feeders - South 7-9	Beryllium	Y	Y	1,644,000	0.00	1,820-11	lb/r ³						

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/Unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)
	SV 424		EU 409	No	Crushing Plant	Fine Ore Feeders - South 10-12	Vanadium	Y	N	1,644,000	# ³ exh./hr	14,401,440,000	# ³ exh./yr	6.07E-09	lb/# ³ exh.		0.01	0.044	99	0.000	0.00
	SV 424		EU 409	No	Crushing Plant	Fine Ore Feeders - South 10-12	Zinc	Y	N	1,644,000	# ³ exh./hr	14,401,440,000	# ³ exh./yr	3.95E-09	lb/# ³ exh.		0.01	0.028	99	0.000	0.00
	SV 424		EU 409	No	Crushing Plant	Fine Ore Feeders - South 10-12	Hafnium	Y	N	1,644,000	# ³ exh./hr	14,401,440,000	# ³ exh./yr	6.54E-11	lb/# ³ exh.		0.00	0.000	99	0.000	0.00
	SV 424		EU 409	No	Crushing Plant	Fine Ore Feeders - South 10-12	Tellurium	Y	N	1,644,000	# ³ exh./hr	14,401,440,000	# ³ exh./yr	1.52E-09	lb/# ³ exh.		0.00	0.011	99	0.000	0.00
	SV 424		EU 409	No	Crushing Plant	Fine Ore Feeders - South 10-12	Fluorides (as F)	Y	N	1,644,000	# ³ exh./hr	14,401,440,000	# ³ exh./yr	6.39E-09	lb/# ³ exh.		0.01	0.046	99	0.000	0.00
	SV 424		EU 409	No	Crushing Plant	Fine Ore Feeders - South 10-12	Crystalline Silica	Y	N	1,644,000	# ³ exh./hr	14,401,440,000	# ³ exh./yr	3.57E-07	lb/# ³ exh.		0.59	2.572	99	0.026	0.01
EU 1508	Conc B V	EU 1508	EU 1508	Yes	Flotation	Flotation Fugitive Emissions	VOC	Y	N	7740	# ³ surf. * hr/hr	67802400	# ³ surf. * hr/yr	3.75E-04	lb/# ³ surf. * hr		2.90	12.702	0	12.702	2.90
EU 1508	Conc B V	EU 1508	EU 1508	Yes	Flotation	Flotation Fugitive Emissions	MIBC	Y	N	7740	# ³ surf. * hr/hr	67802400	# ³ surf. * hr/yr	3.75E-04	lb/# ³ surf. * hr		2.90	12.702	0	12.702	2.90
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	SO2	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.073	lb/ton gas		0.36	1.583	90	0.158	0.04
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	H2SO4/SO3	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	1.00	lb/ton gas		1.00	4.397	99	0.044	0.01
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Total PM	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.846	lb/ton gas		4.18	18.303	99.06	0.172	0.0393
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	PM2.5	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.846	lb/ton gas		4.18	18.303	99.06	0.172	0.04
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	PM10	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.846	lb/ton gas		4.18	18.303	99.06	0.172	0.04
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	NOx	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.010	lb/ton gas		0.05	0.209	0	0.209	0.05
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Carbon Dioxide	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.064	lb/ton gas		0.32	1.384	0	1.384	0.32
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	HCl	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	0.896	lb/ton gas		4.43	19.395	99	0.194	0.04
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	HF	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	0.003	lb/ton gas		0.02	0.104	99	0.001	0.01
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Antimony	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	1.00E-05	lb/ton gas		0.00	0.000	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Arsenic	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	5.79E-04	lb/ton gas		0.00	0.013	99.06	1.178E-04	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Beryllium	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	6.68E-06	lb/ton gas		0.00	0.000	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Cadmium	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	6.24E-06	lb/ton gas		0.00	0.000	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Chromium	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	0.005	lb/ton gas		0.02	0.106	99.06	0.001	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Cobalt	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	0.000	lb/ton gas		0.00	0.003	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Copper	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.001	lb/ton gas		0.00	0.017	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Pb	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	1.29E-05	lb/ton gas		0.00	0.000	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Manganese	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	2.31E-04	lb/ton gas		0.00	0.005	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Nickel	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	0.031	lb/ton gas		0.16	0.680	99.06	0.006	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Phosphorus	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	2.18E-04	lb/ton gas		0.00	0.005	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Selenium	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	3.14E-05	lb/ton gas		0.00	0.001	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Zinc	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.000	lb/ton gas		0.00	0.007	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Mercury	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	0.000	lb/ton gas		0.00	0.000	25	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Hydrogen Sulfide	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.038	lb/ton gas		0.19	0.817	70	0.245	0.06
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	CS2	Y	Y	4.94	ton gas/hr	43284.8	ton gas/yr	0.003	lb/ton gas		0.02	0.070	0	0.070	0.02
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Hexachrome	Y	(9)	4.94	ton gas/hr	43284.8	ton gas/yr	0.000	lb/ton gas		0.00	0.000	90	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Carbon Monoxide	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.184	lb/ton gas		0.91	3.983	0	3.983	0.91
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	VOC	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.334	lb/ton gas		1.65	7.224	50	3.612	0.82
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Barium	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	5.96E-05	lb/ton gas		0.00	0.001	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Boron	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	0.001	lb/ton gas		0.00	0.012	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Molybdenum	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	8.46E-06	lb/ton gas		0.00	0.000	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Vanadium	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	3.21E-05	lb/ton gas		0.00	0.001	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Hafnium	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	1.55E-06	lb/ton gas		0.00	0.000	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Tellurium	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	3.61E-05	lb/ton gas		0.00	0.001	99.06	0.000	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Crystalline Silica	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	8.46E-03	lb/ton gas		0.04	0.183	99.06	0.002	0.00
EU 2012	SV 2532	EU 2012	EU 2012	No	AC	Autoclave vent (1 unit)	Fluorides (as F)	Y	N	4.94	ton gas/hr	43284.8	ton gas/yr	2.11E-04	lb/ton gas		0.00	0.005	99.06	0.000	0.00
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	PM10	Y	N	27.38	ton exh./hr	239849	ton exh./yr	33.637	lb/ton exh.		920.97	4,033.865	99.064	37.757	8.62
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	PM2.5	Y	N	27.38	ton exh./hr	239849	ton exh./yr	920.97	lb/ton exh.		920.97	4,033.865	99.064	37.757	8.62
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	Total PM	Y	N	27.38	ton exh./hr	239849	ton exh./yr	33.637	lb/ton exh.		920.97	4,033.865	99.064	37.757	8.620
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	NOx	Y	N	27.38	ton exh./hr	239849	ton exh./yr	0.010	lb/ton exh.		0.26	1.156	0	1.156	0.26
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	H2SO4/SO3	Y	N	27.38	ton exh./hr	239849	ton exh./yr	3.556	lb/ton exh.		97.37	426.470	99	4.265	0.97
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	SO2	Y	N	27.38	ton exh./hr	239849	ton exh./yr	0.073	lb/ton exh.		2.00	8.774	90	0.877	0.20
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	VOC	Y	N	27.38	ton exh./hr	239849	ton exh./yr	0.334	lb/ton exh.		9.14	40.027	50	20.014	4.57
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	Carbon Monoxide	Y	N	27.38	ton exh./hr	239849	ton exh./yr	0.184	lb/ton exh.		5.04	22.070	0	22.070	5.04
EU 2022	SV 2532	EU 2022	EU 2022	No	AC	Autoclave Flash Vessels(1 unit)	Antimony	Y</													

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	[B] Maximum Annual Rate	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	
EU 1180	SV 8003	EU 1180	EU 6002	No	Hydromet	MHP Stage 1 Tank Vent	PM2.5	Y	N	3.97E-05	0.35	0.15	lb/ton gas		0.00	0.000	99	0.000	0.00	
	SV 8003		EU 6002	No	Hydromet	MHP Stage 1 Tank Vent	Total PM	Y	N	3.97E-05	0.35	0.15	lb/ton gas		0.00	0.000	99	0.000	0.00	
	NA		EU 1180	No	Hydromet	2nd Stage Hydroxide Precipitation	H2SO4/SO3	Y	N	0	0	0	lb/ton gas		0.00	0.000	0	0.000	0.00	
	NA		EU 1180	No	Hydromet	2nd Stage Hydroxide Precipitation	PM10	Y	N	0	0	0	lb/ton gas		0.00	0.000	0	0.000	0.00	
	NA		EU 1180	No	Hydromet	2nd Stage Hydroxide Precipitation	PM2.5	Y	N	0	0	0	lb/ton gas		0.00	0.000	0	0.000	0.00	
GP 002	SV 8003	GP 002	GP 002	No	Hydromet	Total Hydrometallurgical Process Tank Emissions	SO2	Y	N	12.92	113190	0.323	lb/ton gas	4.17	18.261	90	1.826	0.42	101871	0.547
	SV 8003		GP 002	No	Hydromet	Total Hydrometallurgical Process Tank Emissions	H2SO4/SO3	Y	N	12.92	113190	1.074	lb/ton gas	13.88	60.791	99	6.608	0.14	101871	0.547
	SV 8003		GP 002	No	Hydromet	Total Hydrometallurgical Process Tank Emissions	PM10	Y	N	12.92	113190	1.074	lb/ton gas	13.88	60.791	99	6.608	0.14	101871	0.547
	SV 8003		GP 002	No	Hydromet	Total Hydrometallurgical Process Tank Emissions	PM2.5	Y	N	12.92	113190	1.074	lb/ton gas	13.88	60.791	99	6.608	0.14	101871	0.547
	SV 8003		GP 002	No	Hydromet	Total Hydrometallurgical Process Tank Emissions	Total PM	Y	N	12.92	113190	1.074	lb/ton gas	13.88	60.791	99	6.608	0.14	101871	0.547
Hydrox	SV 200	EU 200	EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	PM10	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	PM2.5	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Total PM	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Cobalt	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Nickel	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Pb	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Manganese	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Phosphorus	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Copper	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Zinc	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Antimony	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Arsenic	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Barium	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Beryllium	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Boron	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Cadmium	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Chromium	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Molybdenum	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Selenium	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 200		EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Hafnium	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
SV 200	EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Tellurium	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00			
SV 200	EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Vanadium	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00			
SV 200	EU 200	Yes	Hydromet	Hydroxide Product Storage and Handling	Fluorides (as F)	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00			
Hydrox	SV 220	EU 201	EU 201	Yes	Hydromet	Hydroxide Bagging	PM10	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	PM2.5	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Total PM	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Cobalt	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Nickel	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Pb	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Manganese	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Phosphorus	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Copper	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Zinc	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Antimony	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Arsenic	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Barium	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Beryllium	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Boron	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Cadmium	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Chromium	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Molybdenum	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Selenium	Y	Y	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
	SV 220		EU 201	Yes	Hydromet	Hydroxide Bagging	Hafnium	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00	
SV 220	EU 201	Yes	Hydromet	Hydroxide Bagging	Tellurium	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00			
SV 220	EU 201	Yes	Hydromet	Hydroxide Bagging	Vanadium	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00			
SV 220	EU 201	Yes	Hydromet	Hydroxide Bagging	Fluorides (as F)	Y	N	0.00	0.000	0.00	lb/ton		0.00	0.000	0	0.000	0.00			
Silo Feed	Conc B V	EU 309	EU 309	Yes	Process Consumables Point	Flotation flocculant Silo Feeder (Magnafloc 10)	PM10	Y	N	0.0022	18.883	0.02	lb/ton		0.00	0.000	0	0.000	0.00	
	Conc B V		EU 309	Yes	Process Consumables Point	Flotation flocculant Silo Feeder (Magnafloc 10)	PM2.5	Y	N	0.0022	18.883	0.012	lb/ton		0.00	0.000	0	0.000	0.00	
	Conc B V		EU 309	Yes	Process Consumables Point	Flotation flocculant Silo Feeder (Magnafloc 10)	Total PM	Y	N	0.0022	18.883	0.04	lb/ton		0.00	0.000	0	0.000	0.00	
Floc Silos	Conc B V	EU 310	EU 310	Yes	Process Consumables Point	Flotation flocculant Silo (Magnafloc 10)	PM10	Y	N	0.0022	18.883	0.16	lb/ton		0.00	0.002	99	0.000	0.00	
	Conc B V		EU 310	Yes	Process Consumables Point	Flotation flocculant Silo (Magnafloc 10)	PM2.5	Y	N	0.0022	18.883	0.06	lb/ton		0.00	0.001	99	0.000	0.00	
	Conc B V		EU 310	Yes	Process Consumables Point	Flotation flocculant Silo (Magnafloc 10)	Total PM	Y	N	0.0022	18.883	0.99	lb/ton		0.00	0.009	99	0.000	0.00	
Mix	Conc B V	EU 202	EU 202	Yes	Process Consumables Point	Flotation flocculant to Mix Tank (Magnafloc 10)	PM10	Y	N	0.0022	18.883	0.02	lb/ton		0.00	0.000	0	0.000	0.00	
	Conc B V		EU 202	Yes	Process Consumables Point	Flotation flocculant to Mix Tank (Magnafloc 10)	PM2.5	Y	N	0.0022	18.883	0.012	lb/ton		0.00	0.000	0	0.000	0.00	
	Conc B V		EU 202	Yes	Process Consumables Point	Flotation flocculant to Mix Tank (Magnafloc 10)	Total PM	Y	N	0.0022	18.883	0.04	lb/ton		0.00	0.000	0	0.000	0.00	
Silo Feed	Reagent V	EU 312	EU 312	Yes	Process Consumables Point	Acid flocculant Silo Feeder	PM10	Y	N	4.409	38.623	0.02	lb/ton	0.09	0.386	0	0.386	0.09	34760.56	0.348
	Reagent V		EU 312	Yes	Process Consumables Point	Acid flocculant Silo Feeder	PM													

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)
HCl Tank	Reagent V	EU 211	EU 211	Yes	Process Consumables Point	Hydrochloric Acid Storage Tank	HCl	Y	Y	0.419	ton/hr	3670.44	ton/yr	0.1	lb/ton	0	0.04	0.184	0	0.184	0.04
HCl Unload	Reagent V	EU 212	EU 212	Yes	Process Consumables Point	Hydrochloric Acid Unloading	HCl	Y	Y	96.4	ton/hr	3670.44	ton/yr	0.1	lb/ton	0	9.64	0.184	0	0.184	9.64
EU 320	SV 320	EU 320	EU 320	Yes	Process Consumables Point	Caustic Tank	Total PM	Y	N	0.009	ton/hr	76	ton/yr	0	lb/ton	0	0.009	0.000	0	0.000	0.000
EU 218	Reagent V	EU 218	EU 218	Yes	Process Consumables Point	MgO to Mix Tank	PM10	Y	N	0.62	ton/hr	5404.92	ton/yr	0	lb/ton	0	0.00	0.000	0	0.000	0.00
	Reagent V	EU 218	EU 218	Yes	Process Consumables Point	MgO to Mix Tank	PM2.5	Y	N	0.62	ton/hr	5404.92	ton/yr	0	lb/ton	0	0.00	0.000	0	0.000	0.00
	Reagent V	EU 218	EU 218	Yes	Process Consumables Point	MgO to Mix Tank	Total PM	Y	N	0.62	ton/hr	5404.92	ton/yr	0	lb/ton	0	0.00	0.000	0	0.000	0.00
EU 333	SV 327	EU 333	EU 333	No	Hydromet	Oxygen Plant Cooling Tower	PM10	Y	N	320.04	Mgal/hr	2,803.550	Mgal/yr	0.00021	lb/Mgal	0	0.07	0.294	0	0.294	0.07
	SV 327	EU 333	EU 333	No	Hydromet	Oxygen Plant Cooling Tower	PM2.5	Y	N	320.04	Mgal/hr	2,803.550	Mgal/yr	0.00021	lb/Mgal	0	0.07	0.294	0	0.294	0.07
	SV 327	EU 333	EU 333	No	Hydromet	Oxygen Plant Cooling Tower	Total PM	Y	N	320.04	Mgal/hr	2,803.550	Mgal/yr	0.00021	lb/Mgal	0	0.07	0.294	0	0.294	0.07
EU 220	Reagent V	EU 220	EU 220	Yes	Process Consumables Point	Lime Silo	PM10	Y	N	14340	# ³ ex./hr	125,618.400	# ³ ex./yr	7.14E-05	lb/# ³ ex.	99	1.02	4.486	99	0.045	0.01
	Reagent V	EU 220	EU 220	Yes	Process Consumables Point	Lime Silo	PM2.5	Y	N	14340	# ³ ex./hr	125,618.400	# ³ ex./yr	7.14E-05	lb/# ³ ex.	99	1.02	4.486	99	0.045	0.01
	Reagent V	EU 220	EU 220	Yes	Process Consumables Point	Lime Silo	Total PM	Y	N	4.35	ton/hr	38,124	ton/yr	9.90E-01	lb/ton	0	4.31	18.871	99	0.189	0.04
Mix	Reagent V	EU 221	EU 221	Yes	Process Consumables Point	Lime Conveyor	PM10	Y	N	4.35	ton/hr	38,124	ton/yr	0.02	lb/ton	0	0.09	0.381	0	0.381	0.09
	Reagent V	EU 221	EU 221	Yes	Process Consumables Point	Lime Conveyor	PM2.5	Y	N	4.35	ton/hr	38,124	ton/yr	0.012	lb/ton	0	0.05	0.229	0	0.229	0.05
	Reagent V	EU 221	EU 221	Yes	Process Consumables Point	Lime Conveyor	Total PM	Y	N	4.35	ton/hr	38,124	ton/yr	0.04	lb/ton	0	0.17	0.762	0	0.762	0.17
EU 321	SV 221	EU 321	EU 321	No	Process Consumables Point	Lime Slaker (w/scrubber)	PM10	Y	N	4.35	ton/hr	38,124	ton/yr	0.80	lb/ton	15,250	90	1.525	90	1.506	0.35
	SV 221	EU 321	EU 321	No	Process Consumables Point	Lime Slaker (w/scrubber)	PM2.5	Y	N	4.35	ton/hr	38,124	ton/yr	0.57	lb/ton	10,886	90	1.089	90	1.075	0.25
	SV 221	EU 321	EU 321	No	Process Consumables Point	Lime Slaker (w/scrubber)	Total PM	Y	N	4.35	ton/hr	38,124	ton/yr	0.80	lb/ton	15,250	90	1.525	90	1.506	0.35
EU 321 Fugitive	Reagent V	EU 321	EU 321	Yes	Process Consumables Point	Lime Slaker (fugitive emissions)	PM10	Y	N	4.35	ton/hr	38,124	ton/yr	0.00	lb/ton	0	0.00	0.000	0	0.000	0.00
	Reagent V	EU 321	EU 321	Yes	Process Consumables Point	Lime Slaker (fugitive emissions)	PM2.5	Y	N	4.35	ton/hr	38,124	ton/yr	0.00	lb/ton	0	0.00	0.000	0	0.000	0.00
	Reagent V	EU 321	EU 321	Yes	Process Consumables Point	Lime Slaker (fugitive emissions)	Total PM	Y	N	4.35	ton/hr	38,124	ton/yr	0.00	lb/ton	0	0.00	0.000	0	0.000	0.00
EU 326	SV 323	EU 326	EU 326	No	Limestone Point	Limestone Railcar Dump	PM10	Y	N	1445760	# ³ ex./hr	12,664,857.600	# ³ ex./yr	7.14E-05	lb/# ³ ex.	103.27	452.316	99	4.523	1.03	
	SV 323	EU 326	EU 326	No	Limestone Point	Limestone Railcar Dump	PM2.5	Y	N	1445760	# ³ ex./hr	12,664,857.600	# ³ ex./yr	7.14E-05	lb/# ³ ex.	103.27	452.316	99	4.523	1.03	
	SV 323	EU 326	EU 326	No	Limestone Point	Limestone Railcar Dump	Total PM	Y	N	1445760	# ³ ex./hr	12,664,857.600	# ³ ex./yr	7.14E-05	lb/# ³ ex.	103.27	452.316	99	4.523	1.03	
	SV 323	EU 326	EU 326	No	Limestone Point	Limestone Railcar Dump	Crystalline Silica	Y	N	1445760	# ³ ex./hr	12,664,857.600	# ³ ex./yr	1.43E-06	lb/# ³ ex.	2.07	9.046	99	0.090	0.02	
	SV 323	EU 327	EU 327	No	Limestone Point	Limestone hopper to conveyor	Emissions included with EU 326														
	SV 323	EU 327	EU 327	No	Limestone Point	Limestone hopper to conveyor															
	SV 323	EU 327	EU 327	No	Limestone Point	Limestone hopper to conveyor															
EU 328	CarDmp V	EU 328	EU 328	Yes	Limestone Point	Limestone Reclaim chute (to tunnel conveyor)	PM10	Y	N	800	ton/hr	7,008.000	ton/yr	0.0011	lb/ton	0	0.88	3.854	0	3.854	0.88
	CarDmp V	EU 328	EU 328	Yes	Limestone Point	Limestone Reclaim chute (to tunnel conveyor)	PM2.5	Y	N	800	ton/hr	7,008.000	ton/yr	0.0011	lb/ton	0	0.88	3.854	0	3.854	0.88
	CarDmp V	EU 328	EU 328	Yes	Limestone Point	Limestone Reclaim chute (to tunnel conveyor)	Total PM	Y	N	800	ton/hr	7,008.000	ton/yr	0.003	lb/ton	0	2.40	10.512	0	10.512	2.40
	CarDmp V	EU 328	EU 328	Yes	Limestone Point	Limestone Reclaim chute (to tunnel conveyor)	Crystalline Silica	Y	N	800	ton/hr	7,008.000	ton/yr	0.00006	lb/ton	0	0.05	0.210	0	0.210	0.05
LS Transfer	Heat PI V	EU 329	EU 329	Yes	Limestone Point	Limestone Tunnel Conveyor to Banker	PM10	Y	N	800	ton/hr	7,008.000	ton/yr	0.0011	lb/ton	0	0.88	3.854	0	3.854	0.88
	Heat PI V	EU 329	EU 329	Yes	Limestone Point	Limestone Tunnel Conveyor to Banker	PM2.5	Y	N	800	ton/hr	7,008.000	ton/yr	0.00045	lb/ton	0	0.36	1.577	0	1.577	0.36
	Heat PI V	EU 329	EU 329	Yes	Limestone Point	Limestone Tunnel Conveyor to Banker	Total PM	Y	N	800	ton/hr	7,008.000	ton/yr	0.0030	lb/ton	0	2.40	10.512	0	10.512	2.40
	Heat PI V	EU 329	EU 329	Yes	Limestone Point	Limestone Tunnel Conveyor to Banker	Crystalline Silica	Y	N	800	ton/hr	7,008.000	ton/yr	0.0001	lb/ton	0	0.05	0.210	0	0.210	0.05
LS Transfer	Heat PI V	EU 330	EU 330	Yes	Limestone Point	Limestone Banker to crusher feed conveyor (enclosed)	PM10	Y	N	100	ton/hr	876.000	ton/yr	0.0011	lb/ton	0	0.11	0.482	0	0.482	0.11
	Heat PI V	EU 330	EU 330	Yes	Limestone Point	Limestone Banker to crusher feed conveyor (enclosed)	PM2.5	Y	N	100	ton/hr	876.000	ton/yr	0.00045	lb/ton	0	0.05	0.197	0	0.197	0.05
	Heat PI V	EU 330	EU 330	Yes	Limestone Point	Limestone Banker to crusher feed conveyor (enclosed)	Total PM	Y	N	100	ton/hr	876.000	ton/yr	0.003	lb/ton	0	0.30	1.314	0	1.314	0.30
	Heat PI V	EU 330	EU 330	Yes	Limestone Point	Limestone Banker to crusher feed conveyor (enclosed)	Crystalline Silica	Y	N	100	ton/hr	876.000	ton/yr	0.00006	lb/ton	0	0.01	0.026	0	0.026	0.01
LS Transfer	Heat PI V	EU 322	EU 322	Yes	Limestone Point	Limestone Crusher Feed Conveyor Discharge (enclosed)	PM10	Y	N	100	ton/hr	876.000	ton/yr	0.0011	lb/ton	0	0.11	0.482	0	0.482	0.11
	Heat PI V	EU 322	EU 322	Yes	Limestone Point	Limestone Crusher Feed Conveyor Discharge (enclosed)	PM2.5	Y	N	100	ton/hr	876.000	ton/yr	0.00045	lb/ton	0	0.05	0.197	0	0.197	0.05
	Heat PI V	EU 322	EU 322	Yes	Limestone Point	Limestone Crusher Feed Conveyor Discharge (enclosed)	Total PM	Y	N	100	ton/hr	876.000	ton/yr	0.003	lb/ton	0	0.30	1.314	0	1.314	0.30
	Heat PI V	EU 322	EU 322	Yes	Limestone Point	Limestone Crusher Feed Conveyor Discharge (enclosed)	Crystalline Silica	Y	N	100	ton/hr	876.000	ton/yr	0.00006	lb/ton	0	0.01	0.026	0	0.026	0.01
EU 323	SV 322	EU 323	EU 323	No	Limestone Point	Limestone Crusher (stack emissions)	PM10	Y	N	115680	# ³ ex./hr	1,013,356.800	# ³ ex./yr	7.14E-05	lb/# ³ ex.	8.26	36.191	99	0.362	0.08	
	SV 322	EU 323	EU 323	No	Limestone Point	Limestone Crusher (stack emissions)	PM2.5	Y	N	115680	# ³ ex./hr	1,013,356.800	# ³ ex./yr	7.14E-05	lb/# ³ ex.	8.26	36.191	99	0.362	0.08	
	SV 322	EU 323	EU 323	No	Limestone Point	Limestone Crusher (stack emissions)	Total PM	Y	N	115680	# ³ ex./hr	1,013,356.800	# ³ ex./yr	7.14E-05	lb/# ³ ex.	8.26	36.191	99	0.362	0.08	
	SV 322	EU 323	EU 323	No	Limestone Point	Limestone Crusher (stack emissions)	Crystalline Silica	Y	N	115680	# ³ ex./hr	1,013,356.800	# ³ ex./yr	1.43E-06	lb/# ³ ex.	0.17	0.724	99	0.007	0.00	
EU 323 Fugitive	Heat PI V	EU 323	EU 323	Yes	Limestone Point	Limestone Crusher (fugitive emissions)	PM10	Y	N	115680	# ³ ex./hr	1,013,356.800	# ³ ex./yr	0.00E+00	lb/# ³ ex.	0.00	0.000	0	0.000	0.00	
	Heat PI V	EU 323	EU 323	Yes	Limestone Point	Limestone Crusher (fugitive emissions)	PM2.5	Y	N	115680	# ³ ex./hr	1,013,356.800	# ³ ex./yr	0.00E+00	lb/# ³ ex.	0.00	0.000	0	0.000	0.00	
	Heat PI V	EU 323	EU 323	Yes	Limestone Point	Limestone Crusher (fugitive emissions)	Total PM	Y	N	115680	# ³ ex./hr	1,013,356.800	# ³ ex./yr	0.00E+00	lb/# ³ ex.	0.00	0.000	0	0.000	0.00	
	Heat PI V	EU 323	EU 323	Yes	Limestone Point	Limestone Crusher (fugitive emissions)	Crystalline Silica	Y	N	115680	# ³ ex./hr	1,013,356.800	# ³ ex./yr	0.00E+00	lb/# ³ ex.	0.00	0.000	0	0.000	0.00	
Crush LS Trans	Heat PI V	EU 324	EU 324	Yes	Limestone Point	Limestone Crusher to Conveyor	PM10	Y	N	100	ton/hr	876.000	ton/yr	0.0011	lb/ton	0	0.11	0.482	0	0.482	0.11
	Heat PI V	EU 324	EU 324	Yes	Limestone Point	Limestone Crusher to Conveyor	PM2.5	Y	N	100	ton/hr	876.000	ton/yr	0.0009	lb/ton	0	0.09	0.394	0	0.394	0.09
	Heat PI V	EU 324	EU 324	Yes	Limestone Point	Limestone Crusher to Conveyor	Total PM	Y	N	100	ton/hr	876.000	ton/yr	0.003	lb/ton	0	0.30	1.314	0	1.314	0.30
	Heat PI V	EU 324	EU 324	Yes	Limestone Point	Limestone Crusher to Conveyor	Crystalline Silica	Y	N	100	ton/hr	876.000	ton/yr	0.00006	lb/ton	0	0.01	0.026	0	0.026	0.01
Crush LS Trans	Heat PI V	EU 224	EU 224	Yes	Limestone Point	Limestone Conveyor to Mix Tank	PM10	Y	N	100	ton/hr	876.000	ton/yr	0.0011	lb/ton	0	0.11	0.482			

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate		[B] Maximum Annual Rate		[C] Emission Factor, (lb/unit)		Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Actual Annual Rate	Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)	
										Units	Units	Units	Units	Units	Units											Units	Units		Units
EU 340	SV 332	EU 340	EU 339	No	Concentrate	Concentrate Storage Area #2	Molybdenum	Y	N	156000	#³ exh./hr	1,366,560,000	#³ exh./yr	1.724E-09	lb/#³ exh.	0.00	0.001	99	0.000	0.00	1366560000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 332		EU 339	No	Concentrate	Concentrate Storage Area #2	Vanadium	Y	N	156000	#³ exh./hr	1,366,560,000	#³ exh./yr	2.7143E-09	lb/#³ exh.	0.00	0.002	99	0.000	0.00	1366560000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 332		EU 339	No	Concentrate	Concentrate Storage Area #2	Zinc	Y	N	156000	#³ exh./hr	1,366,560,000	#³ exh./yr	2.0714E-07	lb/#³ exh.	0.03	0.142	99	0.001	0.00	1366560000	#³ exh./yr	0.001	NA	NA	#³ exh.	0.001		
	SV 332		EU 339	No	Concentrate	Concentrate Storage Area #2	Hafnium	Y	N	156000	#³ exh./hr	1,366,560,000	#³ exh./yr	1.3071E-10	lb/#³ exh.	0.00	0.000	99	0.000	0.00	1366560000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 332		EU 339	No	Concentrate	Concentrate Storage Area #2	Tellurium	Y	N	156000	#³ exh./hr	1,366,560,000	#³ exh./yr	3.045E-09	lb/#³ exh.	0.00	0.002	99	0.000	0.00	1366560000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 332		EU 339	No	Concentrate	Concentrate Storage Area #2	Fluorides (as F)	Y	N	156000	#³ exh./hr	1,366,560,000	#³ exh./yr	1.7848E-08	lb/#³ exh.	0.00	0.012	99	0.000	0.00	1366560000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	PM10	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	0.000143	lb/#³ exh.	13.71	60.069	99	0.601	0.14	840960000	#³ exh./yr	0.601	NA	NA	#³ exh.	0.601		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	PM2.5	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	0.000143	lb/#³ exh.	13.71	60.069	99	0.601	0.14	840960000	#³ exh./yr	0.601	NA	NA	#³ exh.	0.601		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Total PM	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	0.000143	lb/#³ exh.	13.71	60.069	99	0.601	0.14	840960000	#³ exh./yr	0.601	NA	NA	#³ exh.	0.601		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Crystalline Silica	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.43E-06	lb/#³ exh.	0.14	0.601	99	0.006	0.00	840960000	#³ exh./yr	0.006	NA	NA	#³ exh.	0.006		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Antimony	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	6.29E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Arsenic	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	5.57E-08	lb/#³ exh.	0.01	0.023	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Beryllium	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.43E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Cadmium	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	3.14E-09	lb/#³ exh.	0.00	0.001	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Chromium	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.16E-08	lb/#³ exh.	0.00	0.005	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Cobalt	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	3.28E-07	lb/#³ exh.	0.03	0.138	99	0.001	0.00	840960000	#³ exh./yr	0.001	NA	NA	#³ exh.	0.001		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Pb	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.49E-07	lb/#³ exh.	0.01	0.063	99	0.001	0.00	840960000	#³ exh./yr	0.001	NA	NA	#³ exh.	0.001		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Manganese	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	9.44E-08	lb/#³ exh.	0.01	0.040	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Mercury	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.79E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Nickel	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	4.43E-06	lb/#³ exh.	0.43	1.862	99	0.019	0.00	840960000	#³ exh./yr	0.019	NA	NA	#³ exh.	0.019		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Selenium	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.09E-08	lb/#³ exh.	0.00	0.005	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Barium	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	7.27E-09	lb/#³ exh.	0.00	0.003	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Boron	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	9.43E-08	lb/#³ exh.	0.01	0.040	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Copper	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	2.14E-05	lb/#³ exh.	2.06	9.010	99	0.090	0.02	840960000	#³ exh./yr	0.090	NA	NA	#³ exh.	0.090		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Molybdenum	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	3.44E-09	lb/#³ exh.	0.00	0.001	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Vanadium	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	5.43E-09	lb/#³ exh.	0.00	0.002	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Zinc	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	4.14E-07	lb/#³ exh.	0.04	0.174	99	0.002	0.00	840960000	#³ exh./yr	0.002	NA	NA	#³ exh.	0.002		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Hafnium	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	2.61E-10	lb/#³ exh.	0.00	0.000	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Tellurium	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	6.09E-09	lb/#³ exh.	0.00	0.003	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	SV 333		EU 340	No	Concentrate	Railcar Loading - Copper Concentrate	Fluorides (as F)	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	3.57E-08	lb/#³ exh.	0.00	0.015	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
	EU 341		SV 334	EU 341	EU 341	No	Concentrate	Railcar Loading - Nickel Concentrate	PM10	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	0.000143	lb/#³ exh.	13.71	60.069	99	0.601	0.14	840960000	#³ exh./yr	0.601	NA	NA	#³ exh.	0.601
			SV 334		EU 341	No	Concentrate	Railcar Loading - Nickel Concentrate	PM2.5	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	0.000143	lb/#³ exh.	13.71	60.069	99	0.601	0.14	840960000	#³ exh./yr	0.601	NA	NA	#³ exh.	0.601
			SV 334		EU 341	No	Concentrate	Railcar Loading - Nickel Concentrate	Total PM	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	0.000143	lb/#³ exh.	13.71	60.069	99	0.601	0.14	840960000	#³ exh./yr	0.601	NA	NA	#³ exh.	0.601
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Crystalline Silica	Y	N	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.43E-06	lb/#³ exh.	0.14	0.601	99	0.006	0.00	840960000	#³ exh./yr	0.006	NA	NA	#³ exh.	0.006		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Antimony	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	6.29E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Arsenic	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	5.57E-08	lb/#³ exh.	0.01	0.023	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Beryllium	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.43E-11	lb/#³ exh.	0.00	0.000	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Cadmium	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	3.14E-09	lb/#³ exh.	0.00	0.001	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Chromium	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.16E-08	lb/#³ exh.	0.00	0.005	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Cobalt	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	3.28E-07	lb/#³ exh.	0.03	0.138	99	0.001	0.00	840960000	#³ exh./yr	0.001	NA	NA	#³ exh.	0.001		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Pb	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	1.49E-07	lb/#³ exh.	0.01	0.063	99	0.001	0.00	840960000	#³ exh./yr	0.001	NA	NA	#³ exh.	0.001		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Manganese	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr	9.44E-08	lb/#³ exh.	0.01	0.040	99	0.000	0.00	840960000	#³ exh./yr	0.000	NA	NA	#³ exh.	0.000		
SV 334		EU 341	No		Concentrate	Railcar Loading - Nickel Concentrate	Mercury	Y	Y	96000	#³ exh./hr	840,960,000	#³ exh./yr																

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Copper	N	N	3,072	ton/hr	1,958,592	ton/yr	4.35E-08	lb/ton	0.00	0.00	0.000	0	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Vanadium	N	N	3,072	ton/hr	1,958,592	ton/yr	7.24E-07	lb/ton	0.00	0.001	0	0.001	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Hafnium	N	N	3,072	ton/hr	1,958,592	ton/yr	6.31E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Tellurium	N	N	3,072	ton/hr	1,958,592	ton/yr	1.47E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Fluorides (as F)	N	N	3,072	ton/hr	1,958,592	ton/yr	6.17E-07	lb/ton	0.00	0.001	0	0.001	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Antimony	N	Y	3,072	ton/hr	1,958,592	ton/yr	8.62E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Beryllium	N	Y	3,072	ton/hr	1,958,592	ton/yr	3.93E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Cadmium	N	Y	3,072	ton/hr	1,958,592	ton/yr	8.62E-10	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Selenium	N	Y	3,072	ton/hr	1,958,592	ton/yr	3.97E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Molybdenum	N	N	3,072	ton/hr	1,958,592	ton/yr	1.72E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S3	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S3	Zinc	N	N	3,072	ton/hr	1,958,592	ton/yr	5.45E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	PM10	N	N	2,606	ton/hr	1,549,965	ton/yr	4.23	lb/ton	4.23	1.264	0	1.264	0.000	4.23
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	PM2.5	N	N	2,606	ton/hr	1,549,965	ton/yr	0.0002	lb/ton	0.64	0.191	0	0.191	0.000	0.64
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Total PM	N	N	2,606	ton/hr	1,549,965	ton/yr	0.0032	lb/ton	8.99	2.673	0	2.673	0.000	8.99
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Crystalline Silica	N	N	2,606	ton/hr	1,549,965	ton/yr	0.0007	lb/ton	1.90	0.564	0	0.564	0.000	1.90
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Arsenic	N	Y	2,606	ton/hr	1,549,965	ton/yr	8.49E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Chromium	N	Y	2,606	ton/hr	1,549,965	ton/yr	2.30E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Cobalt	N	Y	2,606	ton/hr	1,549,965	ton/yr	3.45E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Pb	N	Y	2,606	ton/hr	1,549,965	ton/yr	1.93E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Manganese	N	Y	2,606	ton/hr	1,549,965	ton/yr	1.68E-05	lb/ton	0.04	0.013	0	0.013	0.000	0.04
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Mercury	N	Y	2,606	ton/hr	1,549,965	ton/yr	5.07E-11	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Nickel	N	Y	2,606	ton/hr	1,549,965	ton/yr	1.38E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Barium	N	N	2,606	ton/hr	1,549,965	ton/yr	6.90E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Boron	N	N	2,606	ton/hr	1,549,965	ton/yr	2.07E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Copper	N	N	2,606	ton/hr	1,549,965	ton/yr	4.35E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Vanadium	N	N	2,606	ton/hr	1,549,965	ton/yr	7.24E-07	lb/ton	0.00	0.001	0	0.001	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Hafnium	N	N	2,606	ton/hr	1,549,965	ton/yr	6.31E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Tellurium	N	N	2,606	ton/hr	1,549,965	ton/yr	1.47E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Fluorides (as F)	N	N	2,606	ton/hr	1,549,965	ton/yr	6.17E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Antimony	N	Y	2,606	ton/hr	1,549,965	ton/yr	8.62E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Beryllium	N	Y	2,606	ton/hr	1,549,965	ton/yr	3.93E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Cadmium	N	Y	2,606	ton/hr	1,549,965	ton/yr	8.62E-10	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Selenium	N	Y	2,606	ton/hr	1,549,965	ton/yr	3.97E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Molybdenum	N	N	2,606	ton/hr	1,549,965	ton/yr	1.72E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		S4	FS 051	No	TB Construction	LTVSMC Tailings Truck Load S4	Zinc	N	N	2,606	ton/hr	1,549,965	ton/yr	5.45E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	PM10	N	N	2,407	ton/hr	1,320,993	ton/yr	0.0016	lb/ton	3.93	1.078	0	1.078	0.000	3.93
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	PM2.5	N	N	2,407	ton/hr	1,320,993	ton/yr	0.0002	lb/ton	0.59	0.163	0	0.163	0.000	0.59
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Total PM	N	N	2,407	ton/hr	1,320,993	ton/yr	0.0034	lb/ton	8.30	2.278	0	2.278	0.000	8.30
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Crystalline Silica	N	N	2,407	ton/hr	1,320,993	ton/yr	0.0007	lb/ton	1.75	0.481	0	0.481	0.000	1.75
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Arsenic	N	Y	2,407	ton/hr	1,320,993	ton/yr	8.49E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Chromium	N	Y	2,407	ton/hr	1,320,993	ton/yr	2.30E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Cobalt	N	Y	2,407	ton/hr	1,320,993	ton/yr	3.45E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Pb	N	Y	2,407	ton/hr	1,320,993	ton/yr	1.93E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Manganese	N	Y	2,407	ton/hr	1,320,993	ton/yr	1.68E-05	lb/ton	0.04	0.011	0	0.011	0.000	0.04
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Mercury	N	Y	2,407	ton/hr	1,320,993	ton/yr	5.07E-11	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Nickel	N	Y	2,407	ton/hr	1,320,993	ton/yr	1.38E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Barium	N	N	2,407	ton/hr	1,320,993	ton/yr	6.90E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Boron	N	N	2,407	ton/hr	1,320,993	ton/yr	2.07E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Copper	N	N	2,407	ton/hr	1,320,993	ton/yr	4.35E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Vanadium	N	N	2,407	ton/hr	1,320,993	ton/yr	7.24E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Hafnium	N	N	2,407	ton/hr	1,320,993	ton/yr	6.31E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Tellurium	N	N	2,407	ton/hr	1,320,993	ton/yr	1.47E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Fluorides (as F)	N	N	2,407	ton/hr	1,320,993	ton/yr	6.17E-07	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Antimony	N	Y	2,407	ton/hr	1,320,993	ton/yr	8.62E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Beryllium	N	Y	2,407	ton/hr	1,320,993	ton/yr	3.93E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Cadmium	N	Y	2,407	ton/hr	1,320,993	ton/yr	8.62E-10	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Selenium	N	Y	2,407	ton/hr	1,320,993	ton/yr	3.97E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Molybdenum	N	N	2,407	ton/hr	1,320,993	ton/yr	1.72E-09	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		SP D	FS 051	No	TB Construction	LTVSMC Tailings Truck Load HMC Stockpile	Zinc	N	N	2,407	ton/hr	1,320,993	ton/yr	5.45E-08	lb/ton	0.00	0.000	0	0.000	0.000	0.00
		Area 5	FS 051	No	TB Construction	Offsite Material Truck Load - Area 5	PM10	N	N	2,638	ton/hr	2,756,471	ton/yr	0.0016	lb/ton	4.30	2,249	0	2,249	0.000	4.30
		Area 5	FS 051	No	TB Construction	Offsite Material Truck Load - Area 5	PM2.5	N	N	2,638	ton/hr	2,756,471	ton/yr	0.0002	lb/ton	0.65	0.341	0	0.341	0.000	0.65
		Area 5	FS 051	No	TB Construction	Offsite Material Truck Load - Area 5	Total PM	N	N	2,638	ton/hr	2,756,471	ton/yr	0.0034	lb/ton	9.10	4,754	0	4,754	0.000	9.10
		IE S	FS 051	No	TB Construction	Tailings/Offsite Rock Truck Unload - Cell 1E	PM10	N	N	3,072	ton/hr	1,472,466	ton/yr	0.0016	lb/ton	5.01	1,201	0	1,201	0.000	5.01
		IE S	FS 051	No	TB Construction	Tailings/Offsite Rock Truck Unload - Cell 1E	PM2.5	N	N	3,072	ton/hr	1,472,466	ton/yr	0.0002	lb/ton	0.76	0.182	0	0.182	0.000	0.76

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)
2E N			FS 051	No	TB Construction	Tailings/Offsite Rock Truck Unload - Cell 2E	Antimony	N	Y	3.277	ton/hr	4,715.063	ton/yr	8.6E-09	lb/ton		0.00	0.000	0	0.000	0.00
2E N			FS 051	No	TB Construction	Tailings/Offsite Rock Truck Unload - Cell 2E	Beryllium	N	Y	3.277	ton/hr	4,715.063	ton/yr	3.9E-09	lb/ton		0.00	0.000	0	0.000	0.00
2E N			FS 051	No	TB Construction	Tailings/Offsite Rock Truck Unload - Cell 2E	Cadmium	N	Y	3.277	ton/hr	4,715.063	ton/yr	8.6E-10	lb/ton		0.00	0.000	0	0.000	0.00
2E N			FS 051	No	TB Construction	Tailings/Offsite Rock Truck Unload - Cell 2E	Selenium	N	Y	3.277	ton/hr	4,715.063	ton/yr	4.0E-09	lb/ton		0.00	0.000	0	0.000	0.00
2E N			FS 051	No	TB Construction	Tailings/Offsite Rock Truck Unload - Cell 2E	Molybdenum	N	N	3.277	ton/hr	4,715.063	ton/yr	1.7E-09	lb/ton		0.00	0.000	0	0.000	0.00
2E N			FS 051	No	TB Construction	Tailings/Offsite Rock Truck Unload - Cell 2E	Zinc	N	N	3.277	ton/hr	4,715.063	ton/yr	5.5E-08	lb/ton		0.00	0.000	0	0.000	0.00
Tail Handle		FS 051	FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	PM10	N	N	2,407	ton/hr	1,320,993	ton/yr	0.0016	lb/ton		3.93	1.078	0	1.078	3.93
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	PM2.5	N	N	2,407	ton/hr	1,320,993	ton/yr	0.0002	lb/ton		0.59	0.163	0	0.163	0.59
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Total PM	N	N	2,407	ton/hr	1,320,993	ton/yr	0.0034	lb/ton		8.30	2.278	0	2.278	8.30
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Crystalline Silica	N	N	2,407	ton/hr	1,320,993	ton/yr	0.0007	lb/ton		1.75	0.481	0	0.481	1.75
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Arsenic	N	Y	2,407	ton/hr	1,320,993	ton/yr	8.49E-08	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Chromium	N	Y	2,407	ton/hr	1,320,993	ton/yr	2.30E-07	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Cobalt	N	Y	2,407	ton/hr	1,320,993	ton/yr	3.45E-07	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Pb	N	Y	2,407	ton/hr	1,320,993	ton/yr	1.97E-08	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Manganese	N	Y	2,407	ton/hr	1,320,993	ton/yr	1.68E-05	lb/ton		0.04	0.011	0	0.011	0.04
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Mercury	N	Y	2,407	ton/hr	1,320,993	ton/yr	5.07E-11	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Nickel	N	Y	2,407	ton/hr	1,320,993	ton/yr	1.38E-08	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Barium	N	N	2,407	ton/hr	1,320,993	ton/yr	6.90E-08	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Boron	N	N	2,407	ton/hr	1,320,993	ton/yr	2.07E-07	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Copper	N	N	2,407	ton/hr	1,320,993	ton/yr	4.35E-08	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Vanadium	N	N	2,407	ton/hr	1,320,993	ton/yr	7.24E-07	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Hafnium	N	N	2,407	ton/hr	1,320,993	ton/yr	6.31E-09	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Tellurium	N	N	2,407	ton/hr	1,320,993	ton/yr	1.47E-07	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Fluorides (as F)	N	N	2,407	ton/hr	1,320,993	ton/yr	6.17E-07	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Antimony	N	Y	2,407	ton/hr	1,320,993	ton/yr	8.62E-09	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Beryllium	N	Y	2,407	ton/hr	1,320,993	ton/yr	3.93E-09	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Cadmium	N	Y	2,407	ton/hr	1,320,993	ton/yr	8.62E-10	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Selenium	N	Y	2,407	ton/hr	1,320,993	ton/yr	3.97E-09	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Molybdenum	N	N	2,407	ton/hr	1,320,993	ton/yr	1.72E-09	lb/ton		0.00	0.000	0	0.000	0.00
HM 4			FS 051	No	TB Construction	LTVSMC Tailings Truck Unload - Hydromet Cell	Zinc	N	N	2,407	ton/hr	1,320,993	ton/yr	5.45E-08	lb/ton		0.00	0.000	0	0.000	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	PM10	N	N	220	VMT/hr	240,339	VMT/yr	2.603	lb/VMT	134	573.95	198,000	80	39,600	114,799
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	PM2.5	N	N	220	VMT/hr	240,339	VMT/yr	0.260	lb/VMT	134	57.39	19,800	80	3,960	11,478
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Total PM	N	N	220	VMT/hr	240,339	VMT/yr	10.442	lb/VMT	134	2,302.07	794,167	80	158,833	460,411
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Crystalline Silica	N	N	220	VMT/hr	240,339	VMT/yr	1.161	lb/VMT	134	256.05	88,331	80	17,666	51,211
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Arsenic	N	Y	220	VMT/hr	240,339	VMT/yr	2.57E-04	lb/VMT	134	0.06	0.020	80	0.004	0.01
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Chromium	N	Y	220	VMT/hr	240,339	VMT/yr	6.98E-04	lb/VMT	134	0.15	0.053	80	0.011	0.03
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Cobalt	N	Y	220	VMT/hr	240,339	VMT/yr	1.04E-03	lb/VMT	134	0.23	0.079	80	0.016	0.05
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Pb	N	Y	220	VMT/hr	240,339	VMT/yr	5.85E-05	lb/VMT	134	0.01	0.004	80	0.001	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Manganese	N	Y	220	VMT/hr	240,339	VMT/yr	5.10E-02	lb/VMT	134	11.23	3,876	80	0.775	2.25
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Mercury	N	Y	220	VMT/hr	240,339	VMT/yr	1.54E-07	lb/VMT	134	0.00	1.167E-05	80	0.000	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Nickel	N	Y	220	VMT/hr	240,339	VMT/yr	4.18E-05	lb/VMT	134	0.01	0.003	80	0.001	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Barium	N	N	220	VMT/hr	240,339	VMT/yr	2.09E-04	lb/VMT	134	0.05	0.016	80	0.003	0.01
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Boron	N	N	220	VMT/hr	240,339	VMT/yr	6.27E-04	lb/VMT	134	0.14	0.048	80	0.010	0.03
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Copper	N	N	220	VMT/hr	240,339	VMT/yr	1.32E-04	lb/VMT	134	0.03	0.010	80	0.002	0.01
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Vanadium	N	N	220	VMT/hr	240,339	VMT/yr	2.19E-03	lb/VMT	134	0.48	0.167	80	0.033	0.10
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Hafnium	N	N	220	VMT/hr	240,339	VMT/yr	1.91E-05	lb/VMT	134	0.00	0.001	80	0.000	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Tellurium	N	N	220	VMT/hr	240,339	VMT/yr	4.45E-04	lb/VMT	134	0.10	0.034	80	0.007	0.02
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Fluorides (as F)	N	N	220	VMT/hr	240,339	VMT/yr	1.87E-03	lb/VMT	134	0.41	0.142	80	0.028	0.08
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Antimony	N	Y	220	VMT/hr	240,339	VMT/yr	2.61E-05	lb/VMT	134	0.0058	0.002	80	0.00040	0.00115
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Beryllium	N	Y	220	VMT/hr	240,339	VMT/yr	1.19E-05	lb/VMT	134	0.00	0.001	80	0.000	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Cadmium	N	Y	220	VMT/hr	240,339	VMT/yr	2.61E-06	lb/VMT	134	0.00	0.000	80	0.000	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Selenium	N	Y	220	VMT/hr	240,339	VMT/yr	1.20E-05	lb/VMT	134	0.00	0.001	80	0.000	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Molybdenum	N	N	220	VMT/hr	240,339	VMT/yr	5.22E-06	lb/VMT	134	0.00	0.000	80	0.000	0.00
Tails Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, S3 to Cell 2E (J)	Zinc	N	N	220	VMT/hr	240,339	VMT/yr	1.65E-04	lb/VMT	134	0.04	0.013	80	0.003	0.01
Rock Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, Area 5 to North Buttress (I)	PM10	N	N	220	VMT/hr	230,147	VMT/yr	2.603	lb/VMT	134	573.33	189,603	80	37,921	114,671
Rock Haul		FS 051	FS 051	No	TB Construction	Unpaved Roads, Area 5 to North Buttress (I)	PM2.5	N	N	220	VMT/hr	230,147	VMT/yr	0.260	lb/VMT	134	57.33	18,960	80	3,792	

Hoyt Lakes, Minnesota
Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	[L] Projected Actual Annual Rate		Controlled Projected Actual Emission Rate (ton/yr)	[J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	[M] Maximum Daily rate (if different than hourly * 24)		Controlled Emission Rate (lb/day)																																																					
																						Annual Rate	Units				Units	Units																																																						
Tails Haul	TBWW	PS 051	FS 051	No	TB Construction	Unpaved Roads, HRC Material Haul	Cadmium	N	Y	48	VMT/hr	26.471	VMT/yr	2.61E-06	lb/VMT	134	0.00	0.000	80	0.000	0.00	26,471	VMT/yr	0.000	NA	NA	482	VMT	0.000																																																					
																														Selenium	N	Y	48	VMT/hr	26.471	VMT/yr	1.20E-05	lb/VMT	134	0.00	0.000	80	0.000	0.00	26,471	VMT/yr	0.000	NA	NA	482	VMT	0.001																														
																														Molybdenum	N	N	48	VMT/hr	26.471	VMT/yr	5.22E-06	lb/VMT	134	0.00	0.000	80	0.000	0.00	26,471	VMT/yr	0.000	NA	NA	482	VMT	0.001																														
																														Zinc	N	N	48	VMT/hr	26.471	VMT/yr	1.65E-04	lb/VMT	134	0.01	0.001	80	0.000	0.00	26,471	VMT/yr	0.000	NA	NA	482	VMT	0.016																														
																														PM10	N	N	72	VMT/hr	44.559	VMT/yr	2.603	lb/VMT	134	188.50	36.709	80	7.342	37.70	44,559	VMT/yr	11.601	NA	NA	724	VMT	377.000																														
																														PM2.5	N	N	72	VMT/hr	44.559	VMT/yr	0.260	lb/VMT	134	18.85	3.671	80	0.734	3.77	44,559	VMT/yr	1.160	NA	NA	724	VMT	37.700																														
																														Total PM	N	N	72	VMT/hr	44.559	VMT/yr	10.442	lb/VMT	134	756.06	147.239	80	29.448	151.21	44,559	VMT/yr	46.530	NA	NA	724	VMT	1512.129																														
																														Crystalline Silica	N	N	72	VMT/hr	44.559	VMT/yr	1.161	lb/VMT	134	84.09	16.377	80	3.275	16.82	44,559	VMT/yr	5.175	NA	NA	724	VMT	168.186																														
																														Arsenic	N	Y	72	VMT/hr	44.559	VMT/yr	2.57E-04	lb/VMT	134	0.02	0.004	80	0.001	0.00	44,559	VMT/yr	0.001	NA	NA	724	VMT	0.037																														
																														Chromium	N	Y	72	VMT/hr	44.559	VMT/yr	6.98E-04	lb/VMT	134	0.05	0.010	80	0.002	0.01	44,559	VMT/yr	0.003	NA	NA	724	VMT	0.101																														
																														Cobalt	N	Y	72	VMT/hr	44.559	VMT/yr	1.04E-03	lb/VMT	134	0.08	0.015	80	0.003	0.02	44,559	VMT/yr	0.005	NA	NA	724	VMT	0.151																														
																														Pb	N	Y	72	VMT/hr	44.559	VMT/yr	5.85E-05	lb/VMT	134	0.00	0.001	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.008																														
																														Manganese	N	Y	72	VMT/hr	44.559	VMT/yr	5.10E-02	lb/VMT	134	3.69	0.719	80	0.144	0.74	44,559	VMT/yr	0.227	NA	NA	724	VMT	7.379																														
																														Mercury	N	Y	72	VMT/hr	44.559	VMT/yr	1.54E-07	lb/VMT	134	0.00	2.16E-06	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.000																														
																														Nickel	N	Y	72	VMT/hr	44.559	VMT/yr	4.18E-05	lb/VMT	134	0.00	0.001	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.006																														
																														Barium	N	N	72	VMT/hr	44.559	VMT/yr	2.09E-04	lb/VMT	134	0.02	0.003	80	0.001	0.00	44,559	VMT/yr	0.001	NA	NA	724	VMT	0.030																														
																														Boron	N	N	72	VMT/hr	44.559	VMT/yr	6.27E-04	lb/VMT	134	0.05	0.009	80	0.002	0.01	44,559	VMT/yr	0.003	NA	NA	724	VMT	0.091																														
																														Copper	N	N	72	VMT/hr	44.559	VMT/yr	1.32E-04	lb/VMT	134	0.01	0.002	80	0.000	0.00	44,559	VMT/yr	0.001	NA	NA	724	VMT	0.019																														
																														Vanadium	N	N	72	VMT/hr	44.559	VMT/yr	2.19E-03	lb/VMT	134	0.16	0.031	80	0.006	0.03	44,559	VMT/yr	0.010	NA	NA	724	VMT	0.318																														
																														Hafnium	N	N	72	VMT/hr	44.559	VMT/yr	1.91E-05	lb/VMT	134	0.00	0.000	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.003																														
																														Tellurium	N	N	72	VMT/hr	44.559	VMT/yr	4.45E-04	lb/VMT	134	0.03	0.006	80	0.001	0.01	44,559	VMT/yr	0.002	NA	NA	724	VMT	0.064																														
																														Fluorides (as F)	N	N	72	VMT/hr	44.559	VMT/yr	1.87E-03	lb/VMT	134	0.14	0.026	80	0.005	0.03	44,559	VMT/yr	0.008	NA	NA	724	VMT	0.271																														
																														Antimony	N	Y	72	VMT/hr	44.559	VMT/yr	2.61E-05	lb/VMT	134	0.00	0.000	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.004																														
																														Beryllium	N	Y	72	VMT/hr	44.559	VMT/yr	1.19E-05	lb/VMT	134	0.00	0.000	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.002																														
																														Cadmium	N	Y	72	VMT/hr	44.559	VMT/yr	2.61E-06	lb/VMT	134	0.00	0.000	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.000																														
																														Selenium	N	Y	72	VMT/hr	44.559	VMT/yr	1.20E-05	lb/VMT	134	0.00	0.000	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.002																														
																														Molybdenum	N	N	72	VMT/hr	44.559	VMT/yr	5.22E-06	lb/VMT	134	0.00	0.000	80	0.000	0.00	44,559	VMT/yr	0.000	NA	NA	724	VMT	0.001																														
																														Zinc	N	N	72	VMT/hr	44.559	VMT/yr	1.65E-04	lb/VMT	134	0.01	0.002	80	0.000	0.00	44,559	VMT/yr	0.001	NA	NA	724	VMT	0.024																														
																														PSWW	TBWW	PS012	FS012	No	TB WWTP Trucks	Tailings Basin WWTP Trucks	PM10	N	N	1.2	VMT/hr	84	VMT/yr	1.678E	lb/VMT	134	2.01	0.045	60	0.018	0.81	84	VMT/yr	0.028	NA	NA	1	VMT	0.806																							
																																																												PM2.5	N	N	1.2	VMT/hr	84	VMT/yr	0.1679	lb/VMT	134	0.20	0.004	60	0.002	0.08	84	VMT/yr	0.003	NA	NA	1	VMT	0.081
																																																												Total PM	N	N	1.2	VMT/hr	84	VMT/yr	6.7328	lb/VMT	134	8.08	0.179	60	0.072	3.23	84	VMT/yr	0.113	NA	NA	1	VMT	3.232
																																																												NOx	Y	N	NA	MM cu. ft./hr	100	MM cu. ft./yr	NA	NA	0	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000
																														NG Combustion	NA	GP002	NA	NA	Total Plant Site Natural Gas (example permit limit) [12]	PM10	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	7.6	lb/MM cu. ft.	NA	NA	0	NA	NA	0	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																							
																																																												PM2.5	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	7.6	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000	
																																																												Total PM	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	15.2	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000	
SO2	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	0.6	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Carbon Monoxide	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	84	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
VOC	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	5.5	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Pb	Y	Y	NA	MM cu. ft./hr	406	MM cu. ft./yr	0.0005	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Carbon Dioxide	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	122847	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
N2O	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	2.083	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
CH4	Y	N	NA	MM cu. ft./hr	406	MM cu. ft./yr	2.083	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
POM	Y	Y	NA	MM cu. ft./hr	406	MM cu. ft./yr	6.73E-04	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
2-Methylnaphthalene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	2.40E-05	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
3-Methylchloranthrene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
7,12-Dimethylbenz	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	1.60E-05	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Acenaphthene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Acenaphthylene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Anthracene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	2.40E-06	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Benzo(a)anthracene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Benzo(a)pyrene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Benzo(b)fluoranthene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	1.80E-06	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.000																																																													
Benzo(k)fluoranthene	Y	[8]	NA	MM cu. ft./hr	406	MM cu. ft./yr	1.20E-06	lb/MM cu. ft.	NA	NA	0	NA	NA	0.00	MM cu. ft./yr	0.000	NA	NA	MM	cu. ft.	0.0																																																													

Hoyt Lakes, Minnesota
 Potential Emissions - Processing Plant

Ref. No.	Stack No.	Unit No.	EU	Vent into building?	Type	Unit Name	Pollutant	PSD Applicability (Y/N)	HAP ? (Y/N)	[A] Maximum Hourly Rate	Units	[B] Maximum Annual Rate	Units	[C] Emission Factor, (lb/unit)	Emission Factor Units	Annual Days with precipitation (if applicable)	[E] Uncontrolled Emission Rate, (lb/hr)	[F] Uncontrolled Potential to Emit (PTE), (ton/yr)	[G] Implied Control Factor, (%)	[H] Controlled Potential to Emit (PTE), (ton/yr)	[I] Controlled Emission Rate, (lb/hr)	a [L] Projected Annual Rate	Units	Controlled Projected Actual Emission Rate (ton/yr)	b [J] Permitted Grain Loading Limit, (gr/dscf)	[K] Design Stack Flow Rate, (acfm)	e [M] Maximum Daily rate (if different than hourly * 24)	Units	Controlled Emission Rate (lb/day)			
Toxic Air Pollutant Totals [10]							Pb											0.09	0.41		0.00	0.00			0.00							
							Hydrogen Sulfide											1.43	6.27		1.88	0.43			1.69							
							CS2											1.16	5.10		5.10	1.16			4.44							
							TRS											2.59	11.36		6.98	1.59			6.13							
							Fluorides (as F)											0.79	3.48		0.03	0.01			0.14							
Plant Site Totals (Point and Fugitive Sources)																																
Criteria Pollutant Totals [6]							PM10												6976.74	19126.58		536.56	649.80			408.70						
							PM2.5											4471.60	18433.53		245.69	110.86			150.24							
							SO2											22.77	33.59		6.98	16.70			4.82							
							H2SO4/SO3											112.62	491.76		5.02	1.49			4.56							
							Total PM											15271.60	21081.79		1135.66	2364.30			1054.67							
							NOx												114.29	117.07		89.36	107.96			29.93						
							VOC												19.77	72.42		48.79	14.37			44.31						
							Carbon Monoxide												47.44	105.89		105.89	47.44			44.40						
							Pb												0.12	0.50		0.08	0.01			0.08						
Toxic Air Pollutant Totals [7]							Antimony												0.0273	0.07		0.00	0.00			0.00						
							Arsenic												0.19	0.31		0.026	0.028			0.03						
							Beryllium												0.01	0.01		0.00	0.00			0.00						
							Cadmium													0.01	0.02		0.00	0.00			0.00					
							Chromium													0.89	2.49		0.11	0.08			0.11					
							Cobalt												3.91	14.98		0.19	0.14			0.19						
							Manganese													32.71	37.13		2.00	5.45			2.61					
							Mercury													1.37E-03	5.68E-03		2.27E-03	5.30E-04			1.90E-03					
							Nickel													112.17	491.30		4.72	1.06			4.20					
							Phosphorus													1.77	7.74		0.08	0.02			0.04					
							Selenium													27.41	120.02		1.12	0.26			1.01					
							Barium													1.33	5.45		0.11	0.04			0.08					
							Boron													1.02	3.18		0.06	0.07			0.06					
							Copper													54.17	237.08		2.39	0.53			1.98					
							Molybdenum													0.02	0.08		0.00	0.00			0.00					
							Vanadium													1.67	2.77		0.13	0.24			0.15					
							Zinc													1.52	6.41		0.20	0.04			0.17					
							Tellurium													0.40	0.82		0.03	0.05			0.03					
							Hafnium														0.02	0.04		0.00	0.00			0.00				
							POM													0.01	0.00		0.00	0.01			0.00					
							2-Methylnaphthalene													0.00	0.00		0.00	0.00			0.00					
							3-Methylchloranthrene														0.00	0.00		0.00	0.00			0.00				
							7,12-Dimethylbenz														0.00	0.00		0.00	0.00			0.00				
							(a)anthracene													0.00	0.00		0.00	0.00			0.00					
							Acenaphthene													0.00	0.00		0.00	0.00			0.00					
							Acenaphthylene													0.00	0.00		0.00	0.00			0.00					
							Anthracene													0.00	0.00		0.00	0.00			0.00					
							Benzo(a)anthracene													0.00	0.00		0.00	0.00			0.00					
							Benzo(a)pyrene													0.00	0.00		0.00	0.00			0.00					
							Benzo(b)fluoranthene													0.00	0.00		0.00	0.00			0.00					
							Benzo(g,h)perylene													0.00	0.00		0.00	0.00			0.00					
							Benzo(k)fluoranthene													0.00	0.00		0.00	0.00			0.00					
							Chrysene													0.00	0.00		0.00	0.00			0.00					
							Dibenz(a,h)anthracene													0.00	0.00		0.00	0.00			0.00					
							Fluoranthene													0.00	0.00		0.00	0.00			0.00					
							Fluorene													0.00	0.00		0.00	0.00			0.00					
							Indeno(1,2,3-cd)pyrene													0.00	0.00		0.00	0.00			0.00					
							Phenanthrene													0.00	0.00		0.00	0.00			0.00					
							Pyrene													0.00	0.00		0.00	0.00			0.00					
							Benzene													0.02	0.01		0.01	0.02			0.00					
							Dichlorobenzene													0.00	0.00		0.00	0.00			0.00					
							Formaldehyde													0.02	0.06		0.06	0.02			0.01					
							Hexane													0.32	1.39		1.39	0.32			0.29					
							Toluene													0.01	0.00		0.00	0.01			0.00					
							Naphthalene													0.00	0.00		0.00	0.00			0.00					
							Xylene													0.01	0.00		0.00	0.01			0.00					
							MIBC													3.62	12.70		12.70	3.62			15.44					
							HF													0.15	0.68		0.01	0.00			0.01					
							HCl													30.90	51.17		1.01	19.45			0.90					
							Hydrogen Sulfide													1.43	6.27		1.88	0.43			1.69					
							CS2												1.16	5.10		5.10	1.16			4.44						
							TRS												2.59	11.36		6.98	1.59			6.13						
							Crystalline Silica													636.77	340.00		45.36	130.80			55.53					
							Fluorides (as F)												1.74	3.75		0.12	0.20			0.14						
							Acetaldehyde													0.00	0.00		0.00	0.00			0.00					
							Acrolein																									

	Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
g	0.471	2.065
	0.471	2.065
	0.471	2.065
	0.000	0.000
	0.000	2.12E-05
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.001	0.003
	0.000	9.50E-09
	0.001	0.002
	0.000	0.001
	0.000	0.000
	0.000	0.001
	0.000	0.000
	0.002	0.008
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.005	0.021
	0.471	2.065
	0.471	2.065
	0.471	2.065
	0.000	0.000
	0.000	2.12E-05
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.001	0.003
	0.000	9.50E-09
	0.001	0.002
	0.000	0.001
	0.000	0.000
	0.000	0.001
	0.000	0.000
	0.002	0.008
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.005	0.021
	0.373	1.633
	0.373	1.633
	0.373	1.633
	0.000	0.000
	0.000	1.68E-05
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.001	0.002
	0.000	7.51E-09
	0.000	0.002
	0.000	0.001
	0.000	0.000
	0.000	0.001
	0.000	0.000
	0.001	0.007
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.004	0.016
	0.373	1.633
	0.373	1.633
	0.373	1.633
	0.000	0.000
	0.000	1.68E-05
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.001	0.002
	0.000	7.51E-09
	0.000	0.002
	0.000	0.001
	0.000	0.000
	0.000	0.001
	0.000	0.000
	0.001	0.007
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.004	0.016
	0.296	1.295
	0.296	1.295
	0.296	1.295
	0.000	0.000

g

Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
0.000	1.33E-05
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.002
0.000	5.96E-09
0.000	0.001
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.005
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.003	0.013
0.296	1.295
0.296	1.295
0.296	1.295
0.296	1.295
0.000	0.000
0.000	1.33E-05
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.002
0.000	5.96E-09
0.000	0.001
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.005
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.003	0.013
0.107	0.469
0.107	0.469
0.107	0.469
0.000	0.000
0.000	4.82E-06
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	2.16E-09
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.005
0.107	0.469
0.107	0.469
0.107	0.469
0.000	0.000
0.000	4.82E-06
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	2.16E-09
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.002
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.005
0.994	4.355
0.994	4.355
0.994	4.355
0.000	0.000
0.000	4.47E-05
0.000	0.000
0.000	0.000
0.000	0.001

g

Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
0.000	0.000
0.000	0.000
0.001	0.007
0.000	2.00E-08
0.001	0.005
0.001	0.002
0.000	0.000
0.000	0.002
0.000	0.000
0.004	0.017
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.010	0.044
0.994	4.355
0.994	4.355
0.994	4.355
0.000	0.000
0.000	4.47E-05
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.001	0.007
0.000	2.00E-08
0.001	0.005
0.001	0.002
0.000	0.000
0.000	0.002
0.000	0.000
0.004	0.017
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.010	0.044
1.110	4.862
1.110	4.862
1.110	4.862
0.000	0.000
0.000	4.99E-05
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.002	0.007
0.000	2.24E-08
0.001	0.006
0.001	0.003
0.000	0.000
0.000	0.002
0.000	0.000
0.004	0.019
0.000	0.000
0.000	0.001
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.001
0.011	0.049
1.110	4.862
1.110	4.862
1.110	4.862
0.000	0.000
0.000	4.99E-05
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.002	0.007
0.000	2.24E-08
0.001	0.006
0.001	0.003
0.000	0.000
0.000	0.002
0.000	0.000
0.004	0.019
0.000	0.000
0.000	0.001
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.001
0.011	0.049
1.110	4.862
1.110	4.862
0.000	0.000
0.000	4.99E-05
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.002	0.007
0.000	2.24E-08

g

Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
0.001	0.006
0.001	0.003
0.000	0.000
0.000	0.002
0.000	0.000
0.004	0.019
0.000	0.000
0.000	0.001
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.001
0.011	0.049
1.110	4.862
1.110	4.862
1.110	4.862
0.000	0.000
0.000	4.99E-05
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.002	0.007
0.000	2.24E-08
0.001	0.006
0.001	0.003
0.000	0.000
0.000	0.002
0.000	0.000
0.004	0.019
0.000	0.000
0.000	0.001
0.000	0.001
0.000	0.000
0.000	0.000
0.011	0.049
1.029	4.505
1.029	4.505
1.029	4.505
0.000	0.000
0.000	4.63E-05
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.002	0.007
0.000	2.07E-08
0.001	0.005
0.001	0.002
0.000	0.000
0.000	0.002
0.000	0.000
0.004	0.018
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.010	0.045
1.110	4.862
1.110	4.862
1.110	4.862
0.000	0.000
0.000	4.99E-05
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.002	0.007
0.000	2.24E-08
0.001	0.006
0.001	0.003
0.000	0.000
0.000	0.002
0.000	0.000
0.004	0.019
0.000	0.000
0.000	0.001
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.001
0.011	0.049
1.110	4.862
1.110	4.862
1.110	4.862
0.000	0.000
0.000	4.99E-05
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.002	0.007
0.000	2.24E-08
0.001	0.006
0.001	0.003
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.002	0.007
0.000	2.24E-08
0.001	0.006
0.001	0.003
0.000	0.000
0.000	0.002

g

Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
0.000	0.000
0.000	4.24E-06
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	1.90E-09
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.002
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.004
0.094	0.413
0.094	0.413
0.094	0.413
0.000	0.000
0.000	4.24E-06
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	1.90E-09
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.002
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.004
0.094	0.413
0.094	0.413
0.094	0.413
0.000	0.000
0.000	4.24E-06
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	1.90E-09
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.002
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.004
0.094	0.413
0.094	0.413
0.094	0.413
0.000	0.000
0.000	4.24E-06
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	1.90E-09
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.002
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.004
0.094	0.413
0.094	0.413
0.094	0.413
0.000	0.000
0.000	4.24E-06
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	1.90E-09
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.002
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.001	0.004
0.094	0.413
0.094	0.413
0.094	0.413
0.000	0.000
0.000	4.24E-06
0.000	0.000
0.000	0.000

g	Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.006	0.026
	2.900	12.702
	2.900	12.702
	0.036	0.158
	0.010	0.044
	0.039	0.172
	0.039	0.172
	0.039	0.172
	0.048	0.209
	0.316	1.384
	0.044	0.194
	0.000	0.001
	0.000	0.000
	0.000	1.18E-04
	0.000	0.000
	0.000	0.000
	0.000	0.001
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.001	0.006
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	1.47E-04
	0.056	0.245
	0.016	0.070
	0.000	0.000
	0.909	3.983
	0.825	3.612
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.002
	0.000	0.000
	8.620	37.757
	8.620	37.757
	8.620	37.757
	0.264	1.156
	0.974	4.265
	0.200	0.877
	4.569	20.014
	5.039	22.070
	0.000	0.000
	0.000	2.51E-04
	0.000	0.000
	0.000	0.000
	0.000	0.001
	0.028	0.123
	0.000	0.001
	0.022	0.094
	0.000	1.90E-03
	1.000	4.382
	0.001	0.006
	0.256	1.122
	0.001	0.003
	0.006	0.025
	0.321	1.407
	0.000	0.000
	0.000	0.001
	0.009	0.039
	0.000	0.000
	0.000	0.002
	0.001	0.006
	0.310	1.359
	0.071	0.313
	0.000	0.000
	0.921	4.034
	0.002	0.009
	0.000	0.000
	0.022	0.095
	Data for this pollutant is included in the totals	
	Included with total tank emissions.	
	9,366.500	41025.270
	for this pollutant is included in	
	0.060	0.263
	Emission data for this	

g

Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
0.042	0.184
9.640	0.184
0.000	0.000
0.000	0.000
0.000	0.000
0.067	0.294
0.067	0.294
0.067	0.294
0.010	0.045
0.010	0.045
0.043	0.189
0.087	0.381
0.052	0.229
0.174	0.762
0.348	1.525
0.249	1.089
0.348	1.525
0.000	0.000
0.000	0.000
0.000	0.000
0.045	0.196
0.045	0.196
0.045	0.196
0.001	0.004
Emissions included with EU 326	
0.106	0.464
0.106	0.464
0.289	1.264
0.006	0.025
0.106	0.464
0.043	0.190
0.289	1.264
0.006	0.025
0.110	0.482
0.045	0.197
0.300	1.314
0.006	0.026
0.110	0.482
0.045	0.197
0.300	1.314
0.006	0.026
0.083	0.362
0.083	0.362
0.002	0.007
0.000	0.000
0.000	0.000
0.000	0.000
0.110	0.482
0.090	0.394
0.300	1.314
0.006	0.026
0.110	0.482
0.090	0.394
0.300	1.314
0.006	0.026
0.111	0.488
0.111	0.488
0.111	0.488
0.001	0.005
0.000	0.000
0.000	1.90E-04
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.001
0.000	0.000
0.000	6.10E-08
0.003	0.015
0.000	0.000
0.000	0.000
0.000	0.000
0.017	0.073
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.000
0.000	0.000
0.111	0.488
0.111	0.488
0.111	0.488
0.001	0.005
0.000	0.000
0.000	1.90E-04
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.001
0.000	0.001
0.000	0.000
0.000	6.10E-08
0.003	0.015
0.000	0.000
0.000	0.000
0.000	0.000
0.017	0.073

	Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
g	0.000	0.000
	0.000	0.000
	0.000	0.001
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.137	0.601
	0.137	0.601
	0.137	0.601
	0.004	0.006
	0.000	0.000
	0.000	2.34E-04
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.001
	0.000	0.001
	0.000	0.000
	0.000	7.51E-08
	0.004	0.019
	0.000	0.000
	0.000	0.000
	0.021	0.090
	0.000	0.000
	0.000	0.000
	0.000	0.002
	0.000	0.000
	0.000	0.000
	0.137	0.601
	0.137	0.601
	0.137	0.601
	0.001	0.006
	0.000	0.000
	0.000	2.34E-04
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.001
	0.000	0.001
	0.000	0.000
	0.000	7.51E-08
	0.004	0.019
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.021	0.090
	0.000	0.000
	0.000	0.000
	0.000	0.002
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.215	0.941
	0.146	0.640
	0.143	0.627
	0.059	0.257
	0.391	1.711
	0.008	0.034
	1.056	4.624
	0.160	0.700
	2.232	9.776
	0.045	0.196
	0.002	0.007
	0.002	0.007
	0.005	0.020
	0.000	0.000
	0.106	0.464
	0.043	0.190
	0.289	1.264
	0.006	0.025
	0.244	0.003
	0.003	0.001
	0.000	0.000
	0.013	0.002
	0.118	0.326
	0.012	0.033
	0.472	1.307
	0.010	0.026
	0.001	0.003
	0.038	0.106
	0.010	0.011
	0.001	0.001
	0.038	0.045
	0.029	0.056
	0.003	0.006
	0.115	0.223
	1.237	3.430
	0.124	0.343
	4.963	13.758
	0.100	0.278
	0.010	0.028
	0.402	1.116
	0.100	0.119
	0.010	0.012
	0.402	0.477
	0.301	0.585
	0.030	0.059
	1.207	2.348
	0.226	0.627
	0.023	0.063
	0.908	2.517
	0.016	0.031

g	Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
	1.11E-04	4.26E-05
	1.85E-03	7.09E-04
	1.62E-05	6.18E-06
	3.76E-04	1.44E-04
	1.58E-03	6.05E-04
	2.21E-05	8.45E-06
	1.01E-05	3.85E-06
	2.21E-06	8.45E-07
	1.02E-05	3.88E-06
	4.42E-06	1.69E-06
	1.40E-04	5.34E-05
	3.54E+00	1.26E+00
	5.37E-01	1.91E-01
	7.49E+00	2.67E+00
	1.58E+00	5.64E-01
	1.84E-04	6.58E-05
	5.00E-04	1.79E-04
	7.49E-04	2.67E-04
	4.19E-05	1.50E-05
	3.66E-02	1.30E-02
	1.10E-07	3.93E-08
	3.00E-05	1.07E-05
	1.50E-04	5.25E-05
	4.49E-04	1.60E-04
	9.44E-05	3.37E-05
	1.57E-03	5.61E-04
	1.37E-05	4.89E-06
	3.19E-04	1.14E-04
	1.34E-03	4.78E-04
	1.87E-05	6.68E-06
	8.54E-06	3.05E-06
	1.87E-06	6.68E-07
	8.61E-06	3.07E-06
	3.75E-06	1.34E-06
	1.18E-04	4.22E-05
	3.27E+00	1.08E+00
	4.96E-01	1.63E-01
	6.92E+00	2.28E+00
	1.46E+00	4.81E-01
	1.70E-04	5.61E-05
	4.62E-04	1.52E-04
	6.92E-04	2.28E-04
	3.88E-05	1.28E-05
	3.38E-02	1.11E-02
	1.02E-07	3.35E-08
	2.77E-05	9.11E-06
	1.38E-04	4.56E-05
	4.15E-04	1.37E-04
	8.72E-05	2.87E-05
	1.45E-03	4.78E-04
	1.27E-05	4.17E-06
	2.95E-04	9.71E-05
	1.24E-03	4.08E-04
	1.73E-05	5.70E-06
	7.89E-06	2.60E-06
	1.73E-06	5.70E-07
	7.96E-06	2.62E-06
	3.46E-06	1.14E-06
	1.09E-04	3.60E-05
	3.59E+00	2.25E+00
	5.43E-01	3.41E-01
	7.58E+00	4.75E+00
	4.18E+00	1.20E+00
	6.32E-01	1.82E-01
	8.83E+00	2.54E+00
	1.86E+00	5.36E-01
	2.17E-04	6.25E-05
	5.90E-04	1.70E-04
	8.83E-04	2.54E-04
	4.95E-05	1.42E-05
	4.31E-02	1.24E-02
	1.30E-07	3.73E-08
	3.53E-05	1.02E-05
	1.77E-04	5.08E-05
	5.30E-04	1.52E-04
	1.11E-04	3.20E-05
	1.85E-03	5.33E-04
	1.62E-05	4.65E-06
	3.76E-04	1.08E-04
	1.58E-03	4.54E-04
	2.21E-05	6.35E-06
	1.01E-05	2.90E-06
	2.21E-06	6.35E-07
	1.02E-05	2.92E-06
	4.42E-06	1.27E-06
	1.40E-04	4.01E-05
	4.46E+00	3.85E+00
	6.75E-01	5.82E-01
	9.42E+00	8.13E+00
	1.99E+00	1.72E+00
	2.32E-04	2.00E-04
	6.29E-04	5.43E-04
	9.42E-04	8.13E-04
	3.28E-05	4.55E-05
	4.60E-02	3.97E-02
	1.38E-07	1.20E-07
	3.77E-05	3.25E-05
	1.88E-04	1.63E-04
	5.65E-04	4.88E-04
	1.19E-04	1.02E-04
	1.98E-03	1.71E-03
	1.72E-05	1.49E-05
	4.02E-04	3.47E-04
	1.69E-03	1.46E-03

	Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
g	2.35E-05	2.03E-05
	1.07E-05	9.27E-06
	2.35E-06	2.03E-06
	1.08E-05	9.35E-06
	4.71E-06	4.07E-06
	1.49E-04	1.28E-04
	3.27E+00	1.08E+00
	4.96E-01	1.63E-01
	6.92E+00	2.28E+00
	1.46E+00	4.81E-01
	1.70E-04	5.61E-05
	4.63E-04	1.52E-04
	6.93E-04	2.28E-04
	3.88E-05	1.28E-05
	3.38E-02	1.11E-02
	1.02E-07	3.35E-08
	2.77E-05	9.11E-06
	1.38E-04	4.56E-05
	4.15E-04	1.37E-04
	8.72E-05	2.87E-05
	1.45E-03	4.78E-04
	1.27E-05	4.17E-06
	2.95E-04	9.71E-05
	1.24E-03	4.08E-04
	1.73E-05	5.70E-06
	7.89E-06	2.60E-06
	1.73E-06	5.70E-07
	7.96E-06	2.62E-06
	3.46E-06	1.14E-06
	1.09E-04	3.60E-05
	95.658	39.600
	9.566	3.960
	383.678	158.833
	42.675	17.666
	0.009	3.91E-03
	0.026	0.011
	0.038	0.016
	0.002	0.001
	1.872	0.775
	0.000	2.33E-06
	0.002	0.001
	0.008	0.003
	0.023	0.010
	0.005	0.002
	0.081	0.033
	0.001	0.000
	0.016	0.007
	0.069	0.028
	0.001	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.006	0.003
	95.555	37.921
	9.555	3.792
	383.266	152.098
	103.837	0.000
	10.384	0.000
	416.487	0.000
	68.888	11.896
	6.889	1.190
	276.305	47.713
	30.732	5.307
	0.007	1.17E-03
	0.018	0.003
	0.028	0.005
	0.002	0.000
	1.348	0.233
	0.000	7.01E-07
	0.001	0.000
	0.006	0.001
	0.017	0.003
	0.003	0.001
	0.058	0.010
	0.001	0.000
	0.012	0.002
	0.049	0.009
	0.001	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.000	0.000
	0.004	0.001
	20.931	4.361
	2.093	0.436
	83.951	17.494
	9.337	1.946
	0.002	4.30E-04
	0.006	0.001
	0.008	0.002
	0.000	0.000
	0.410	0.085
	0.000	2.57E-07
	0.000	0.000
	0.002	0.000
	0.005	0.001
	0.001	0.000
	0.018	0.004
	0.000	0.000
	0.004	0.001
	0.015	0.003
	0.000	0.000
	0.000	0.000

	Controlled Emission Rate To Use For Modeling (lb/hr)	Controlled Emission Rate To Use For Modeling & Permitting (ton/yr) [JMM's col]
g	0.00	0.00
	0.43	1.88
	1.16	5.10
	1.59	6.98
	0.17	0.12
<hr/>		
	505.57	428.38
	92.29	219.67
	16.70	7.11
	1.49	5.02
	1841.65	896.33
	107.73	116.97
	14.36	50.36
	47.30	127.16
<hr/>		
	0.01	0.08
	0.00	0.00
	0.02	0.03
	0.00	0.00
	0.00	0.00
	0.07	0.11
	0.12	0.19
	4.55	2.00
	5.28E-04	2.32E-03
	1.06	4.72
	0.02	0.08
	0.26	1.12
	0.03	0.11
	0.06	0.06
	0.53	2.39
	0.00	0.00
	0.20	0.13
	0.03	0.20
	0.04	0.03
	0.00	0.00
	0.01	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.02	0.01
	0.00	0.00
	0.02	0.07
	0.32	1.76
	0.01	0.01
	0.00	0.00
	0.01	0.00
	3.62	12.70
	0.00	0.01
	19.45	1.01
	0.43	1.88
	1.16	5.10
	0.00	0.00
	108.31	40.54
	0.17	0.12
	0.001517555	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	27.10	16.28
<hr/>		
	38864.37	75532.11
	0.57	0.94
	0.41	0.54
<hr/>		
	39049.41	75836.45