

Point Source Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	Assigned Env. Rating (ER)	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 3 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr) ⁽¹⁾	Modeled Hourly Emission Rate (lb/hr) ⁽¹⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽¹⁾	Modeled Annual Emission Rate (lb/hr) ⁽¹⁾
U-MFR_A	See Note 2	VNT1A - VNT6A	VENT_1A - VENT_6A	6	NO _x	NY210-00-0	A	3.16	Comply w/ NESHAP, NAAQS	3.16	0.526	27659	0.526 (annual avg)
U-MFR_A	See Note 2	VNT1A - VNT6A	VENT_1A - VENT_6A	6	CO	630-08-0	Process emission sources with CO emissions produced attributable solely to incomplete combustion of any fuel are exempted per 212-1.4(m)						
U-MFR_A	See Note 2	VNT1A - VNT6A	VENT_1A - VENT_6A	6	SO ₂	7446-09-5	Process emission sources with emissions of SO _x , only with respect to oxides of sulfur emissions attributable solely to sulfur in fuel are exempted per 212-1.4(i)						
U-MFR_A	See Note 2	VNT1A - VNT6A	VENT_1A - VENT_6A	6	PM ₁₀	NY075-00-5	A	1.52	Comply w/ NESHAP, NAAQS	0.253	4.21E-02 (24-hr avg)	2214	--
U-MFR_A	See Note 2	VNT1A - VNT6A	VENT_1A - VENT_6A	6	PM _{2.5}	NY750-02-5	A	1.52	Comply w/ NESHAP, NAAQS	0.253	4.21E-02 (24-hr avg)	2214	4.21E-02 (annual avg)
U-MFR_A	See Note 2	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Pb	7439-92-1	A	1.58E-05	Comply w/ NESHAP	1.58E-05	2.63E-06	0.138	--
U-MFR_B	See Note 3	VNT1B - VNT6B	VENT_1B - VENT_6B	6	NO _x	NY210-00-0	A	1.04	Comply w/ NESHAP, NAAQS	1.04	0.173	9110	0.173 (annual avg)
U-MFR_B	See Note 3	VNT1B - VNT6B	VENT_1B - VENT_6B	6	CO	630-08-0	Process emission sources with CO emissions produced attributable solely to incomplete combustion of any fuel are exempted per 212-1.4(m)						
U-MFR_B	See Note 3	VNT1B - VNT6B	VENT_1B - VENT_6B	6	SO ₂	7446-09-5	Process emission sources with emissions of SO _x , only with respect to oxides of sulfur emissions attributable solely to sulfur in fuel are exempted per 212-1.4(i)						
U-MFR_B	See Note 3	VNT1B - VNT6B	VENT_1B - VENT_6B	6	PM ₁₀	NY075-00-5	A	1.36	Comply w/ NESHAP, NAAQS	9.18E-02	1.53E-02 (24-hr avg)	804	--
U-MFR_B	See Note 3	VNT1B - VNT6B	VENT_1B - VENT_6B	6	PM _{2.5}	NY750-02-5	A	1.36	Comply w/ NESHAP, NAAQS	9.18E-02	1.53E-02 (24-hr avg)	804	1.53E-02 (annual avg)
U-MFR_B	See Note 3	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Pb	7439-92-1	A	5.20E-06	Comply w/ NESHAP	5.20E-06	8.67E-07	4.56E-02	--
U-PBLST	PBLAST	0001A	STCK_1A	1	PM ₁₀	NY075-00-5	A	17.3	99%	0.202	0.202 (24-hr avg)	1768	--
U-PBLST	PBLAST	0001A	STCK_1A	1	PM _{2.5}	NY750-02-5	A	1.73	99%	2.02E-02	2.02E-02 (24-hr avg)	177	2.02E-02 (annual avg)

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U-TBLST	TBLAST	0001C - 0003C	STCK_1C - STCK_3C	3	PM ₁₀	NY075-00-5	A	45.5	99%	0.530	0.177 (24-hr avg)	4640	--
U-TBLST	TBLAST	0001C - 0003C	STCK_1C - STCK_3C	3	PM _{2.5}	NY750-02-5	A	4.55	99%	5.30E-02	1.77E-02 (24-hr avg)	464	1.77E-02 (annual avg)
U-PBTH1	OVEN_A-B	0004C	STCK_4C	1	NO _x	NY210-00-0	A	3.05	99%	3.05	3.05	26697	3.05 (annual avg)
U-PBTH1	RTO_1	0004C	STCK_4C	1	NO _x	NY210-00-0	NO _x emissions from thermal oxidizer used as control equipment excepted per 212-1.4(r)						
U-PBTH1	OVEN_A-B, RTO_1	0004C	STCK_4C	1	CO	630-08-0	Process emission sources with CO emissions produced attributable solely to incomplete combustion of any fuel are excepted per 212-1.4(m)						
U-PBTH1	OVEN_A-B, RTO_1	0004C	STCK_4C	1	SO ₂	7446-09-5	Process emission sources with emissions of SO _x , only with respect to oxides of sulfur emissions attributable solely to sulfur in fuel are excepted per 212-1.4(i)						
U-PBTH1	See Note 4	0004C	STCK_4C	1	PM ₁₀ ⁽⁷⁾	NY075-00-5	A	111	99%	0.370	0.370 (24-hr avg)	2616	--
U-PBTH1	See Note 4	0004C	STCK_4C	1	PM _{2.5} ⁽⁷⁾	NY750-02-5	A	107	99%	0.366	0.366 (24-hr avg)	2604	0.278 (annual avg)
U-PBTH1	See Note 4	0004C	STCK_4C	1	Pb ⁽⁷⁾	7439-92-1	A	1.70E-03	Meet NAAQS	1.87E-05	1.87E-05	0.164	--
U-PBTH2	OVEN_A-B	0005C	STCK_5C	1	NO _x	NY210-00-0	A	3.05	99%	3.05	3.05	26697	3.05 (annual avg)
U-PBTH2	RTO_2	0005C	STCK_5C	1	NO _x	NY210-00-0	NO _x emissions from thermal oxidizer used as control equipment excepted per 212-1.4(r)						
U-PBTH2	RTO_2	0005C	STCK_5C	1	CO	630-08-0	Process emission sources with CO emissions produced attributable solely to incomplete combustion of any fuel						
U-PBTH2	RTO_2	0005C	STCK_5C	1	SO ₂	7446-09-5	Process emission sources with emissions of SO _x , only with respect to oxides of sulfur emissions attributable						
U-PBTH2	See Note 5	0005C	STCK_5C	1	PM ₁₀ ⁽⁷⁾	NY075-00-5	A	111	99%	0.370	0.370 (24-hr avg)	2616	--
U-PBTH2	See Note 5	0005C	STCK_5C	1	PM _{2.5} ⁽⁷⁾	NY750-02-5	A	107	99%	0.366	0.366 (24-hr avg)	2604	0.278 (annual avg)
U-PBTH2	See Note 5	0005C	STCK_5C	1	Pb ⁽⁷⁾	7439-92-1	A	1.70E-03	Meet NAAQS	1.87E-05	1.87E-05	0.164	--
U-METAL	See Note 6	VNT1C - VNT4C	VENT_1C - VENT_4C	4	PM ₁₀	NY075-00-5	A	115	99%	1.152	0.288 (24-hr avg)	6912	--
U-METAL	See Note 6	VNT1C - VNT4C	VENT_1C - VENT_4C	4	PM _{2.5}	NY750-02-5	A	111	99%	1.110	0.278 (24-hr avg)	6660	0.190 (annual avg)

Notes:

(1) Modeled Emission Rate represents the potential emission rate per emission point/stack. For example, for a process emission source with three (3) emission points, the potential emissions from the process are divided by 3 for purposes of air dispersion modeling.

Point Source Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	Assigned Env. Rating (ER)	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 3 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr) ⁽¹⁾	Modeled Hourly Emission Rate (lb/hr) ⁽¹⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽¹⁾	Modeled Annual Emission Rate (lb/hr) ⁽¹⁾
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(2) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: MACHINING_A, WELD_A, GRIND_A. U-MFR_A (Building A ventilation system) fabric filter control efficiency = 99%.

(3) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: MACHINING_B, WELD_B, GRIND_B. U-MFR_B (Building B ventilation system) fabric filter control efficiency = 99%.

(4) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: MANUAL_P1, AUTO_P1, PBTHFLTR_A, PBTHFLTR_B, OVEN_A, OVEN_B, RTO_1. U-PBTH1 VOC control efficiency = 95%. U-PBTH1 fabric filter control efficiency = 99.9%.

(5) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: MANUAL_P2, AUTO_P2, PBTHFLTR_C, PBTHFLTR_D, OVEN_C, OVEN_D, RTO_2. U-PBTH2 VOC control efficiency = 95%. U-PBTH2 fabric filter efficiency = 99.9%.

(6) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: METALLIZING, METALFLTR. U-METAL fabric filter control efficiency = 99%.

(7) Air contaminant proposed allowable and modeled emission rates include contributions from the process emission source (surface coating) as well as the combustion-related emissions from the curing ovens and control device (recuperative thermal oxidizer) due to the combustion of natural gas.

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Manganese	7439-96-5	Y	High	A	4.29E-02	Comply w/ NESHAP, conduct TIA	4.41E-04	7.35E-05	3.86	7.35E-05
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Chromium	7440-47-3	Y	High	A	4.15E-02	Comply w/ NESHAP, conduct TIA	4.59E-04	7.65E-05	4.02	7.65E-05
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Nickel	7440-02-0	Y	High	A	2.77E-02	Comply w/ NESHAP, conduct TIA	3.43E-04	5.71E-05	0.581	1.11E-05
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Copper	7440-50-8	N	Moderate	B	1.32E-02	Meet Applicable SGC/AGC	1.32E-04	2.20E-05	1.15	2.20E-05
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Aluminum Oxide	1344-28-1	N	(Moderate)	B	2.32E-02	Meet Applicable SGC/AGC	2.32E-04	3.87E-05	2.03	3.87E-05
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Cured Phenolic Resin	9003-35-4	N	(Moderate)	B	7.74E-03	Meet Applicable SGC/AGC	7.74E-05	1.29E-05	0.678	1.29E-05
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Calcium Carbonate	16389-88-1	N	(Moderate)	B	3.61E-03	Meet Applicable SGC/AGC	3.61E-05	6.02E-06	0.316	6.02E-06
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Cryolite	13775-53-6	N	(Moderate)	B	6.19E-03	Meet Applicable SGC/AGC	6.19E-05	1.03E-05	0.542	1.03E-05
U-MFR_A	See Note 4	VNT1A - VNT6A	VENT_1A - VENT_6A	6	Potassium Floroborate	14075-53-7	N	(Moderate)	B	6.19E-03	Meet Applicable SGC/AGC	6.19E-05	1.03E-05	0.542	1.03E-05
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Manganese	7439-96-5	Y	High	A	4.29E-02	Comply w/ NESHAP, conduct TIA	4.33E-04	7.22E-05	3.79	7.22E-05
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Chromium	7440-47-3	Y	High	A	4.15E-02	Comply w/ NESHAP, conduct TIA	4.29E-04	7.16E-05	3.76	7.16E-05

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Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Nickel	7440-02-0	Y	High	A	2.76E-02	Comply w/ NESHAP, conduct TIA	2.98E-04	4.97E-05	2.61	4.97E-05
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Copper	7440-50-8	N	Moderate	B	1.32E-02	Meet Applicable SGC/AGC	1.32E-04	2.20E-05	1.15	2.20E-05
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Aluminum Oxide	1344-28-1	N	(Moderate)	B	2.32E-02	Meet Applicable SGC/AGC	2.32E-04	3.87E-05	2.03	3.87E-05
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Cured Phenolic Resin	9003-35-4	N	(Moderate)	B	7.74E-03	Meet Applicable SGC/AGC	7.74E-05	1.29E-05	0.678	1.29E-05
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Calcium Carbonate	16389-88-1	N	(Moderate)	B	3.61E-03	Meet Applicable SGC/AGC	3.61E-05	6.02E-06	0.316	6.02E-06
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Cryolite	13775-53-6	N	(Moderate)	B	6.19E-03	Meet Applicable SGC/AGC	6.19E-05	1.03E-05	0.542	1.03E-05
U-MFR_B	See Note 5	VNT1B - VNT6B	VENT_1B - VENT_6B	6	Potassium Floroborate	14075-53-7	N	(Moderate)	B	6.19E-03	Meet Applicable SGC/AGC	6.19E-05	1.03E-05	0.542	1.03E-05
U-PBLST	PBLAST	0001A	STCK_1A	1	Manganese	7439-96-5	Y	High	A	0.336	Comply w/ NESHAP, conduct TIA	2.42E-03	2.42E-03	10.6	1.21E-03
U-PBLST	PBLAST	0001A	STCK_1A	1	Chromium	7440-47-3	Y	High	A	2.80E-02	Comply w/ NESHAP, conduct TIA	2.02E-04	2.02E-04	0.884	1.01E-04
U-PBLST	PBLAST	0001A	STCK_1A	1	Nickel	7440-02-0	Y	High	A	2.80E-02	Comply w/ NESHAP, conduct TIA	2.02E-04	2.02E-04	0.884	1.01E-04
U-PBLST	PBLAST	0001A	STCK_1A	1	Copper	7440-50-8	N	Moderate	B	2.80E-02	Meet Applicable SGC/AGC	2.02E-04	2.02E-04	0.884	1.01E-04
U-TBLST	TBLAST	0001C - 0003C	STCK_1C - STCK_3C	3	Manganese	7439-96-5	Y	High	A	0.882	Comply w/ NESHAP, conduct TIA	6.36E-03	2.12E-03	27.8	1.06E-03
U-TBLST	TBLAST	0001C - 0003C	STCK_1C - STCK_3C	3	Chromium	7440-47-3	Y	High	A	7.35E-02	Comply w/ NESHAP, conduct TIA	5.30E-04	1.77E-04	2.32	8.83E-05

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U-TBLST	TBLAST	0001C - 0003C	STCK_1C - STCK_3C	3	Nickel	7440-02-0	Y	High	A	7.35E-02	Comply w/ NESHAP, conduct TIA	5.30E-04	1.77E-04	2.32	8.83E-05
U-TBLST	TBLAST	0001C - 0003C	STCK_1C - STCK_3C	3	Copper	7440-50-8	N	Moderate	B	7.35E-02	Meet Applicable SGC/AGC	5.30E-04	1.77E-04	2.32	8.83E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Ethylbenzene	100-41-4	N	Moderate	B	10.3	Meet Applicable SGC/AGC	0.515	Not Modeled ⁽¹⁰⁾	1142	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Benzyl chloride	100-44-7	Y	High	A	1.72E-03	Meet Applicable SGC/AGC	8.58E-05	8.581E-05	0.083	4.71E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	Benzyl alcohol	100-51-6	N	Moderate	B	17.3	90%	0.865	Not Modeled ⁽¹⁰⁾	832	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Benzaldehyde	100-52-7	N	(Moderate)	B	3.30E-02	Meet Applicable SGC/AGC	1.65E-03	Not Modeled ⁽¹⁰⁾	1.59	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	100545-48-0	N	(Moderate)	B	0.339	Meet Applicable SGC/AGC	3.39E-04	3.39E-04	0.326	1.86E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Dibenzyl ether	103-50-4	N	(Moderate)	B	1.72E-02	Meet Applicable SGC/AGC	1.72E-02	1.72E-02	16.5	9.42E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	106-89-8	N	Moderate	B	2.26E-02	Meet Applicable SGC/AGC	1.13E-03	Not Modeled ⁽¹⁰⁾	2.02	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Allyl glycidyl ether	106-92-3	N	(Moderate)	B	2.15E-03	Meet Applicable SGC/AGC	1.07E-04	Not Modeled ⁽¹⁰⁾	0.306	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	1-Methoxy-2-propanol (Propylene Glycol 1-Methyl Ether)	107-98-2	N	Moderate	B	36.9	90%	1.84	Not Modeled ⁽¹⁰⁾	705	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	2-Methoxy-1-methylethyl acetate (Methoxypropylacetate)	108-65-6	N	Moderate	B	0.590	Meet Applicable SGC/AGC	2.95E-02	Not Modeled ⁽¹⁰⁾	9.07	Not Modeled ⁽¹⁰⁾

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U-PBTH1	See Note 6	0004C	STCK_4C	1	2,6-Dimethylheptan-4-one (Diisobutyl Ketone)	108-83-8	N	(Moderate)	B	0.312	Meet Applicable SGC/AGC	1.56E-02	Not Modeled ⁽¹⁰⁾	15.0	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Toluene ⁽⁹⁾	108-88-3	N	Low	C	0.441	Meet Applicable SGC/AGC	2.22E-02	Not Modeled ⁽¹⁰⁾	54.1	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Phenol	108-95-2	N	Moderate	B	7.57E-02	Meet Applicable SGC/AGC	3.78E-03	Not Modeled ⁽¹⁰⁾	1.25	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Heptan-2-one (Methyl Amyl Ketone)	110-43-0	N	(Moderate)	B	3.69	Meet Applicable SGC/AGC	1.85E-01	Not Modeled ⁽¹⁰⁾	56.8	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Ethylpolysilicate	11099-06-2	N	(Moderate)	B	24.2	90%	1.21	Not Modeled ⁽¹⁰⁾	93.2	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Nonane	111-84-2	N	Low	C	3.45E-02	Meet Applicable SGC/AGC	1.72E-03	Not Modeled ⁽¹⁰⁾	2.49	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	3,6-Diazaoctanethylenediamin (Triethylenetetramine)	112-24-3	N	Moderate	B	1.19	Meet Applicable SGC/AGC	1.19	1.189	2127	0.121
U-PBTH1	See Note 6	0004C	STCK_4C	1	Precipitated silica	112926-00-8	N	(Moderate)	B	4.32E-02	Meet Applicable SGC/AGC	4.32E-02	4.32E-02	51.4	2.94E-03
U-PBTH1	See Note 6	0004C	STCK_4C	1	Mica	12001-26-2	N	(Moderate)	B	0.228	Meet Applicable SGC/AGC	2.28E-04	2.28E-04	1.75E-02	1.00E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	Dipotassium oxide	12136-45-7	N	(Moderate)	B	6.40E-02	Meet Applicable SGC/AGC	6.40E-05	6.40E-05	4.75E-02	2.71E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	Quaternary ammonium modified bentonite	121888-68-4	N	(Moderate)	B	0.421	Meet Applicable SGC/AGC	4.21E-04	4.21E-04	3.24E-02	1.85E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	n-Butyl acetate	123-86-4	N	Low	C	22.4	75%	1.12	Not Modeled ⁽¹⁰⁾	872	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Zinc oxide	1314-13-2	N	Moderate	B	5.93	Meet Applicable SGC/AGC	5.93E-03	5.93E-03	5.33	3.04E-04

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Zirconium dioxide	1314-23-4	N	(Moderate)	B	0.179	Meet Applicable SGC/AGC	1.79E-04	1.79E-04	0.350	2.00E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Lead compounds (Lead Tetraoxide)	1314-41-6	Y	High	A	5.94E-04	Meet Applicable SGC/AGC	5.94E-07	5.94E-07	4.41E-04	2.52E-08
U-PBTH1	See Note 6	0004C	STCK_4C	1	Phosphorus pentoxide	1314-56-3	N	(Moderate)	B	0.507	Meet Applicable SGC/AGC	0.507	0.507	376	2.15E-02
U-PBTH1	See Note 6	0004C	STCK_4C	1	Limestone	1317-65-3	N	(Moderate)	B	25.0	90%	2.50E-02	2.50E-02	33.3	1.90E-03
U-PBTH1	See Note 6	0004C	STCK_4C	1	Zeolites	1318-02-1	N	(Moderate)	B	0.131	Meet Applicable SGC/AGC	1.31E-04	1.31E-04	0.156	8.93E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	Xylene	1330-20-7	N	Moderate	B	46.5	90%	2.33	Not Modeled ⁽¹⁰⁾	5168	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Kaolin (Clay)	1332-58-7	N	(Moderate)	B	10.4	90%	1.04E-02	1.04E-02	797	4.55E-02
U-PBTH1	See Note 6	0004C	STCK_4C	1	Carbon black	1333-86-4	N	Moderate	B	1.64E-02	Meet Applicable SGC/AGC	1.64E-05	1.64E-05	5.05E-03	2.88E-07
U-PBTH1	See Note 6	0004C	STCK_4C	1	Aluminium oxide	1344-28-1	N	(Moderate)	B	0.384	Meet Applicable SGC/AGC	3.84E-04	3.84E-04	0.285	1.63E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Titanium dioxide	13463-67-7	N	(Moderate)	B	17.1	90%	1.71E-02	1.71E-02	32.8	1.87E-03
U-PBTH1	See Note 6	0004C	STCK_4C	1	m-Xylylene-diamine (Xylene Diamine, Meta-)	1477-55-0	N	(Moderate)	B	0.921	Meet Applicable SGC/AGC	0.921	Not Modeled ⁽¹⁰⁾	885	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Talc (non-asbestiform)	14807-96-6	N	(Moderate)	B	11.8	90%	1.18E-02	1.18E-02	10.8	6.17E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Respirable quartz	14808-60-7	N	(Moderate)	B	1.06	Meet Applicable SGC/AGC	1.06E-03	1.06E-03	1.79	1.02E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	2-Methoxypropanol	1589-47-5	N	(Moderate)	B	0.111	Meet Applicable SGC/AGC	5.54E-03	Not Modeled ⁽¹⁰⁾	2.12	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	1,6-Hexanediol diglycidylether	16096-31-4	N	(Moderate)	B	7.44	Meet Applicable SGC/AGC	7.44E-03	7.44E-03	7.15	4.08E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	4,6-Dimethyl-2-heptanone	19549-80-5	N	(Moderate)	B	0.117	Meet Applicable SGC/AGC	5.85E-03	Not Modeled ⁽¹⁰⁾	5.6	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Iron hydroxide oxide	20344-49-4	N	(Moderate)	B	3.76E-02	Meet Applicable SGC/AGC	3.76E-05	3.76E-05	1.16E-02	6.61E-07
U-PBTH1	See Note 6	0004C	STCK_4C	1	Aluminium hydroxide	21645-51-2	N	(Moderate)	B	0.449	Meet Applicable SGC/AGC	4.49E-04	4.49E-04	0.922	5.26E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Bisphenol A-(epichlorhydrin) epoxy resin	25068-38-6	N	(Moderate)	B	26.0	90%	2.60E-02	2.60E-02	68.9	3.93E-03
U-PBTH1	See Note 6	0004C	STCK_4C	1	3-(2,3-Epoxypropoxy) propyl trimethoxy silane	2530-83-8	N	(Moderate)	B	2.16	Meet Applicable SGC/AGC	2.16	2.16	6162	0.352
U-PBTH1	See Note 6	0004C	STCK_4C	1	Hexamethylene-1,6-diisocyanate homopolymer (HDI Homopolymer)	28182-81-2	Y	High	A	5.01	99%	5.01E-03	5.01E-03	3.72	2.12E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Nepheline syenite	37244-96-5	N	(Moderate)	B	25.8	90%	2.58E-02	2.58E-02	38.2	2.18E-03
U-PBTH1	See Note 6	0004C	STCK_4C	1	bis (1,2,2,6,6-Pentamethyl-4-piperidyl) sebacate	41556-26-7	N	(Moderate)	B	0.639	Meet Applicable SGC/AGC	0.639	0.639	475	2.71E-02
U-PBTH1	See Note 6	0004C	STCK_4C	1	1,2,3-Trimethylbenzene	526-73-8	N	Moderate	B	2.49	Meet Applicable SGC/AGC	0.125	Not Modeled ⁽¹⁰⁾	132	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Dodecamethylcyclohexasiloxane (D6)	540-97-6	N	(Moderate)	B	4.30E-04	Meet Applicable SGC/AGC	2.15E-05	Not Modeled ⁽¹⁰⁾	2.07E-02	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Decamethylcyclopentasiloxane (D5)	541-02-6	N	Low	C	4.30E-04	Meet Applicable SGC/AGC	2.15E-05	Not Modeled ⁽¹⁰⁾	2.07E-02	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Octamethylcyclotetrasiloxane (D4)	556-67-2	N	Moderate	B	4.30E-04	Meet Applicable SGC/AGC	2.15E-05	Not Modeled ⁽¹⁰⁾	2.07E-02	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Stearic acid	57-11-4	N	(Moderate)	B	5.32	Meet Applicable SGC/AGC	5.32	5.32	7088	0.405
U-PBTH1	See Note 6	0004C	STCK_4C	1	Propyleneglycol (Propanediol, 1,2-)	57-55-6	N	Moderate	B	8.68E-02	Meet Applicable SGC/AGC	4.34E-03	Not Modeled ⁽¹⁰⁾	3.46	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	1-Ethyl-2-methylbenzene	611-14-3	N	(Moderate)	B	0.668	Meet Applicable SGC/AGC	3.34E-02	Not Modeled ⁽¹⁰⁾	35.0	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	2-Methylstyrene	611-15-4	N	(Moderate)	B	3.15E-04	Meet Applicable SGC/AGC	1.58E-05	Not Modeled ⁽¹⁰⁾	4.85E-03	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Ethanol + Ethanol (formed by reaction)	64-17-5	N	Low	C	31.3	75%	1.57	Not Modeled ⁽¹⁰⁾	120	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	C10-C13 hydrocarbons (n-alkanes, isoalkanes, cyclics) <2% aromatics (Naphtha Hydrotreated Heavy)	64742-48-9	N	Moderate	B	0.296	Meet Applicable SGC/AGC	1.48E-02	Not Modeled ⁽¹⁰⁾	21.3	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	White spirit (Naphtha Medium Aliphatic)	64742-88-7	N	Moderate	B	0.521	Meet Applicable SGC/AGC	2.61E-02	Not Modeled ⁽¹⁰⁾	12.8	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Solvent naphtha (petroleum), light arom. (Naphtha Light Aromatic)	64742-95-6	N	Moderate	B	28.3	90%	1.41	Not Modeled ⁽¹⁰⁾	1223	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Glass beads	65997-17-3	N	(Moderate)	B	7.06	Meet Applicable SGC/AGC	7.06E-03	7.06E-03	8.45	4.82E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Methanol + Methanol (formed by reaction)	67-56-1	N	Moderate	B	0.896	Meet Applicable SGC/AGC	4.48E-02	Not Modeled ⁽¹⁰⁾	128	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Propan-2-ol (Isopropyl Alcohol)	67-63-0	N	Moderate	B	12.1	90%	0.603	Not Modeled ⁽¹⁰⁾	46.4	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Fatty acids, c18-unsatd., dimers, polymers with triethylenetetramine, reaction products with poly (bisphenol a diglycidyl ether)	68424-41-9	N	(Moderate)	B	23.3	90%	1.16	1.16	358	2.04E-02
U-PBTH1	See Note 6	0004C	STCK_4C	1	Feldspar-group minerals	68476-25-5	N	(Moderate)	B	0.171	Meet Applicable SGC/AGC	1.71E-04	1.71E-04	1.31E-02	7.50E-07
U-PBTH1	See Note 6	0004C	STCK_4C	1	Methylstyrenated phenol	68512-30-1	N	(Moderate)	B	15.0	90%	0.749	0.749	231	1.32E-02
U-PBTH1	See Note 6	0004C	STCK_4C	1	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	N	(Moderate)	B	33.4	90%	1.67	1.67	2471	0.141
U-PBTH1	See Note 6	0004C	STCK_4C	1	Amorphous silica	68611-44-9	N	(Moderate)	B	0.325	Meet Applicable SGC/AGC	3.25E-04	3.25E-04	2.50E-02	1.43E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	Salicylic acid	69-72-7	N	(Moderate)	B	0.168	Meet Applicable SGC/AGC	1.68E-04	1.68E-04	0.203	1.16E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	2-Methoxypropyl acetate	70657-70-4	N	(Moderate)	B	1.77E-03	Meet Applicable SGC/AGC	8.87E-05	Not Modeled ⁽¹⁰⁾	2.73E-02	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl)dimethylammonium chlorides	71011-25-1	N	(Moderate)	B	1.08	Meet Applicable SGC/AGC	1.08E-03	1.08E-03	1.29	7.36E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	bis[(Dimethylamino)methyl]phenol	71074-89-0	N	(Moderate)	B	1.06	Meet Applicable SGC/AGC	1.06	1.060	2244	0.128
U-PBTH1	See Note 6	0004C	STCK_4C	1	n-Butanol (N-Butyl Alcohol)	71-36-3	N	Low	C	21.2	75%	1.06	Not Modeled ⁽¹⁰⁾	2096	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Benzene ⁽⁹⁾	71-43-2	Y	High	A	3.37E-02	Meet Applicable SGC/AGC	1.76E-03	1.76E-03	5.88	3.36E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Lead ⁽⁹⁾	7439-92-1	Y	High	A	1.95E-04	Meet Applicable SGC/AGC	1.72E-05	1.72E-05	0.149	8.51E-06
U-PBTH1	OVEN_A, OVEN_B, RTO_1	0004C	STCK_4C	1	Manganese ⁽⁹⁾	7439-96-5	Y	High	A	1.16E-05	Meet Applicable SGC/AGC	1.29E-05	1.29E-05	0.113	1.29E-05
U-PBTH1	OVEN_A, OVEN_B, RTO_1	0004C	STCK_4C	1	Cadmium ⁽⁹⁾	7440-43-9	Y	High	A	3.35E-05	Meet Applicable SGC/AGC	3.74E-05	3.74E-05	0.328	3.74E-05
U-PBTH1	OVEN_A, OVEN_B, RTO_1	0004C	STCK_4C	1	Chromium ⁽⁹⁾	7440-47-3	Y	High	A	4.27E-05	Meet Applicable SGC/AGC	4.76E-05	4.76E-05	0.417	4.76E-05
U-PBTH1	OVEN_A, OVEN_B, RTO_1	0004C	STCK_4C	1	Nickel ⁽⁹⁾	7440-02-0	Y	High	A	6.40E-05	Meet Applicable SGC/AGC	7.15E-05	7.15E-05	0.626	7.15E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Zinc powder - zinc dust (stabilized)	7440-66-6	N	Low	C	93.0	75%	9.30E-02	9.30E-02	83.4	4.76E-03
U-PBTH1	See Note 6	0004C	STCK_4C	1	Silicon dioxide	7631-86-9	N	(Moderate)	B	0.179	Meet Applicable SGC/AGC	1.79E-04	1.79E-04	0.350	2.00E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Zinc chloride	7646-85-7	N	Moderate	B	0.171	Meet Applicable SGC/AGC	1.71E-04	1.71E-04	1.31E-02	7.50E-07
U-PBTH1	See Note 6	0004C	STCK_4C	1	Hydrogen chloride	7647-01-0	N	Moderate	B	4.39E-02	Meet Applicable SGC/AGC	4.39E-02	4.39E-02	3.37	1.93E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Barium sulfate	7727-43-7	N	Moderate	B	6.00	Meet Applicable SGC/AGC	6.00E-03	6.00E-03	4.45	2.54E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Dibutyltin dilaurate	77-58-7	N	(Moderate)	B	1.22E-02	Meet Applicable SGC/AGC	1.22E-05	1.22E-05	9.08E-03	5.19E-07

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Trizinc bis(orthophosphate)	7779-90-0	N	(Moderate)	B	0.581	Meet Applicable SGC/AGC	5.81E-04	5.81E-04	0.431	2.46E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Pigment black 10, 77265 (Graphite)	7782-42-5	N	(Moderate)	B	0.963	Meet Applicable SGC/AGC	9.63E-04	9.63E-04	1.15	6.55E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Trimethylolpropane	77-99-6	N	(Moderate)	B	0.507	Meet Applicable SGC/AGC	0.507	0.507	376	2.15E-02
U-PBTH1	See Note 6	0004C	STCK_4C	1	2-Methylpropan-1-ol (Isobutyl Alcohol)	78-83-1	N	(Moderate)	B	8.68E-02	Meet Applicable SGC/AGC	4.34E-03	Not Modeled ⁽¹⁰⁾	3.46	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Hydrogenated castor oil	8001-78-3	N	(Moderate)	B	4.07	Meet Applicable SGC/AGC	4.07	4.07	3914	0.223
U-PBTH1	See Note 6	0004C	STCK_4C	1	Lecithin	8002-43-5	N	(Moderate)	B	7.98E-02	Meet Applicable SGC/AGC	7.98E-05	7.98E-05	5.92E-02	3.38E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	4,4'-Isopropylidenediphenol	80-05-7	N	(Moderate)	B	2.58E-02	Meet Applicable SGC/AGC	2.58E-05	2.58E-05	5.16E-02	2.94E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	C12-14 Alcohols	80206-82-2	N	(Moderate)	B	0.682	Meet Applicable SGC/AGC	0.682	0.682	1010	5.76E-02
U-PBTH1	See Note 6	0004C	STCK_4C	1	Hexamethylene-di-isocyanate (HDI)	822-06-0	Y	High	A	6.71E-02	Meet Applicable SGC/AGC	3.36E-03	3.36E-03	2.49	1.42E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Methyl-1,2,2,6,6-pentamethyl-4-piperidylsebacate	82919-37-7	N	(Moderate)	B	0.160	Meet Applicable SGC/AGC	0.160	1.60E-01	119	6.77E-03
U-PBTH1	See Note 6	0004C	STCK_4C	1	Polyoxypropylenediamine	9046-10-0	N	(Moderate)	B	19.7	90%	0.985	0.985	947	5.40E-02
U-PBTH1	See Note 6	0004C	STCK_4C	1	2,4,6-tris(Dimethylaminomethyl) phenol	90-72-2	N	(Moderate)	B	6.01	Meet Applicable SGC/AGC	6.01	6.01	12717	0.726
U-PBTH1	See Note 6	0004C	STCK_4C	1	Naphthalene ⁽⁹⁾	91-20-3	N	Moderate	B	2.24E-02	Meet Applicable SGC/AGC	1.14E-03	Not Modeled ⁽¹⁰⁾	1.01	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	1,2,4-Trimethylbenzene	95-63-6	N	Moderate	B	7.25	Meet Applicable SGC/AGC	0.362	Not Modeled ⁽¹⁰⁾	383	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Cumene	98-82-8	N	(Moderate)	B	0.340	Meet Applicable SGC/AGC	1.70E-02	Not Modeled ⁽¹⁰⁾	17.9	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	2-Phenylpropene (Methyl Styrene)	98-83-9	N	(Moderate)	B	7.57E-02	Meet Applicable SGC/AGC	3.78E-03	Not Modeled ⁽¹⁰⁾	1.16	Not Modeled ⁽¹⁰⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	1,3-bis(12-Hydroxyoctadecanamide-N-methyle) benzene	None	N	(Moderate)	B	1.76	Meet Applicable SGC/AGC	1.76	1.76	3667	0.209
U-PBTH1	See Note 6	0004C	STCK_4C	1	Acrylic resin	None	N	(Moderate)	B	14.0	90%	1.40E-02	1.40E-02	10.4	5.93E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Alkyd resin	None	N	(Moderate)	B	0.196	Meet Applicable SGC/AGC	1.96E-04	1.96E-04	0.283	1.62E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Block copolymer	None	N	(Moderate)	B	0.120	Meet Applicable SGC/AGC	1.20E-04	1.20E-04	8.90E-02	5.08E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	Fluoro polysiloxane	None	N	(Moderate)	B	9.22E-04	Meet Applicable SGC/AGC	9.22E-07	9.22E-07	8.87E-04	5.06E-08
U-PBTH1	See Note 6	0004C	STCK_4C	1	Polyamineamide salt	None	N	(Moderate)	B	0.217	Meet Applicable SGC/AGC	2.17E-04	2.17E-04	0.173	9.88E-06
U-PBTH1	See Note 6	0004C	STCK_4C	1	Polymer of: m-Xylylene-diamine, (versatic acid) monoglycidylester and bisphenol A-(epichlorhydrin) epoxy resin	None	N	(Moderate)	B	6.66	Meet Applicable SGC/AGC	6.66E-03	6.66E-03	6.41	3.66E-04
U-PBTH1	See Note 6	0004C	STCK_4C	1	Polymer of: triethylenetetramine, polyaminoamide and bisphenol A-(epichlorhydrin) epoxy resin	None	N	(Moderate)	B	8.66	Meet Applicable SGC/AGC	8.66E-03	8.66E-03	13.3	7.62E-04

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH1	See Note 6	0004C	STCK_4C	1	Polyolefins	None	N	(Moderate)	B	3.26E-02	Meet Applicable SGC/AGC	3.26E-05	3.26E-05	1.60E-02	9.12E-07
U-PBTH1	See Note 6	0004C	STCK_4C	1	Reaction mass of N, N'-hexane-1,6-diylbis[12-Hydroxyoctadecanamide] and 12-hydroxy-N-[6-[1-oxoalkyl)amino] hexyl] octadecanamide	None	N	(Moderate)	B	0.756	Meet Applicable SGC/AGC	7.56E-04	7.56E-04	1.57	8.97E-05
U-PBTH1	See Note 6	0004C	STCK_4C	1	Methyl Ethyl Ketone	78-93-3	N	Moderate	B	6.90	90%	0.345	Not Modeled ⁽¹⁰⁾	2014	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Ethylbenzene	100-41-4	N	Moderate	B	10.3	Meet Applicable SGC/AGC	0.515	Not Modeled ⁽¹⁰⁾	1142	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Benzyl chloride	100-44-7	Y	High	A	1.72E-03	Meet Applicable SGC/AGC	8.58E-05	8.581E-05	8.25E-02	4.71E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	Benzyl alcohol	100-51-6	N	Moderate	B	17.3	90%	0.865	Not Modeled ⁽¹⁰⁾	832	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Benzaldehyde	100-52-7	N	(Moderate)	B	3.30E-02	Meet Applicable SGC/AGC	1.65E-03	Not Modeled ⁽¹⁰⁾	1.59	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	100545-48-0	N	(Moderate)	B	0.339	Meet Applicable SGC/AGC	3.39E-04	3.39E-04	0.326	1.86E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Dibenzyl ether	103-50-4	N	(Moderate)	B	1.72E-02	Meet Applicable SGC/AGC	1.72E-02	1.72E-02	16.5	9.42E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	106-89-8	N	Moderate	B	2.26E-02	Meet Applicable SGC/AGC	1.13E-03	Not Modeled ⁽¹⁰⁾	2.02	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Allyl glycidyl ether	106-92-3	N	(Moderate)	B	2.15E-03	Meet Applicable SGC/AGC	1.07E-04	Not Modeled ⁽¹⁰⁾	0.306	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	1-Methoxy-2-propanol (Propylene Glycol 1-Methyl Ether)	107-98-2	N	Moderate	B	36.9	90%	1.84	Not Modeled ⁽¹⁰⁾	705	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	2-Methoxy-1-methylethyl acetate (Methoxypropylacetate)	108-65-6	N	Moderate	B	0.590	Meet Applicable SGC/AGC	2.95E-02	Not Modeled ⁽¹⁰⁾	9.07	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	2,6-Dimethylheptan-4-one (Diisobutyl Ketone)	108-83-8	N	(Moderate)	B	0.312	Meet Applicable SGC/AGC	1.56E-02	Not Modeled ⁽¹⁰⁾	15.0	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Toluene ⁽⁹⁾	108-88-3	N	Low	C	0.441	Meet Applicable SGC/AGC	2.22E-02	Not Modeled ⁽¹⁰⁾	54.1	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Phenol	108-95-2	N	Moderate	B	7.57E-02	Meet Applicable SGC/AGC	3.78E-03	Not Modeled ⁽¹⁰⁾	1.25	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Heptan-2-one (Methyl Amyl Ketone)	110-43-0	N	(Moderate)	B	3.69	Meet Applicable SGC/AGC	0.185	Not Modeled ⁽¹⁰⁾	56.8	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Ethylpolysilicate	11099-06-2	N	(Moderate)	B	24.2	90%	1.21	Not Modeled ⁽¹⁰⁾	93.2	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Nonane	111-84-2	N	Low	C	3.45E-02	Meet Applicable SGC/AGC	0.00	Not Modeled ⁽¹⁰⁾	2.49	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	3,6-Diazaoctanethylenediamin (Triethylenetetramine)	112-24-3	N	Moderate	B	1.19	Meet Applicable SGC/AGC	1.19	1.19	2127	0.121
U-PBTH2	See Note 7	0005C	STCK_5C	1	Precipitated silica	112926-00-8	N	(Moderate)	B	4.32E-02	Meet Applicable SGC/AGC	4.32E-02	4.32E-02	51.4	2.94E-03
U-PBTH2	See Note 7	0005C	STCK_5C	1	Mica	12001-26-2	N	(Moderate)	B	0.228	Meet Applicable SGC/AGC	2.28E-04	2.28E-04	1.75E-02	1.00E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	Dipotassium oxide	12136-45-7	N	(Moderate)	B	6.40E-02	Meet Applicable SGC/AGC	6.40E-05	6.40E-05	4.75E-02	2.71E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	Quaternary ammonium modified bentonite	121888-68-4	N	(Moderate)	B	0.421	Meet Applicable SGC/AGC	4.21E-04	4.21E-04	3.24E-02	1.85E-06

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	n-Butyl acetate	123-86-4	N	Low	C	22.4	75%	1.12	Not Modeled ⁽¹⁰⁾	872	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Zinc oxide	1314-13-2	N	Moderate	B	5.93	Meet Applicable SGC/AGC	5.93E-03	5.93E-03	5.33	3.04E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Zirconium dioxide	1314-23-4	N	(Moderate)	B	0.179	Meet Applicable SGC/AGC	1.79E-04	1.79E-04	0.350	2.00E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Lead compounds (Lead Tetraoxide)	1314-41-6	Y	High	A	5.94E-04	Meet Applicable SGC/AGC	5.94E-07	5.94E-07	4.41E-04	2.52E-08
U-PBTH2	See Note 7	0005C	STCK_5C	1	Phosphorus pentoxide	1314-56-3	N	(Moderate)	B	0.507	Meet Applicable SGC/AGC	0.507	0.507	376	2.15E-02
U-PBTH2	See Note 7	0005C	STCK_5C	1	Limestone	1317-65-3	N	(Moderate)	B	25.0	90%	2.50E-02	2.50E-02	33.3	1.90E-03
U-PBTH2	See Note 7	0005C	STCK_5C	1	Zeolites	1318-02-1	N	(Moderate)	B	0.131	Meet Applicable SGC/AGC	1.31E-04	1.31E-04	0.156	8.93E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	Xylene	1330-20-7	N	Moderate	B	46.5	90%	2.33	Not Modeled ⁽¹⁰⁾	5168	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Kaolin (Clay)	1332-58-7	N	(Moderate)	B	10.4	90%	1.04E-02	1.04E-02	797	4.55E-02
U-PBTH2	See Note 7	0005C	STCK_5C	1	Carbon black	1333-86-4	N	Moderate	B	1.64E-02	Meet Applicable SGC/AGC	1.64E-05	1.64E-05	5.05E-03	2.88E-07
U-PBTH2	See Note 7	0005C	STCK_5C	1	Aluminium oxide	1344-28-1	N	(Moderate)	B	0.384	Meet Applicable SGC/AGC	3.84E-04	3.84E-04	0.285	1.63E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Titanium dioxide	13463-67-7	N	(Moderate)	B	17.1	90%	1.71E-02	1.71E-02	32.8	1.87E-03
U-PBTH2	See Note 7	0005C	STCK_5C	1	m-Xylylene-diamine (Xylene Diamine, Meta-)	1477-55-0	N	(Moderate)	B	0.921	Meet Applicable SGC/AGC	0.921	Not Modeled ⁽¹⁰⁾	885	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Talc (non-asbestiform)	14807-96-6	N	(Moderate)	B	11.8	90%	1.18E-02	1.18E-02	10.8	6.17E-04

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Respirable quartz	14808-60-7	N	(Moderate)	B	1.06	Meet Applicable SGC/AGC	1.06E-03	1.06E-03	1.79	1.02E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	2-Methoxypropanol	1589-47-5	N	(Moderate)	B	0.111	Meet Applicable SGC/AGC	5.54E-03	Not Modeled ⁽¹⁰⁾	2.12	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	1,6-Hexanediol diglycidylether	16096-31-4	N	(Moderate)	B	7.44	Meet Applicable SGC/AGC	7.44E-03	7.44E-03	7.15	4.08E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	4,6-Dimethyl-2-heptanone	19549-80-5	N	(Moderate)	B	0.117	Meet Applicable SGC/AGC	5.85E-03	Not Modeled ⁽¹⁰⁾	5.62	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Iron hydroxide oxide	20344-49-4	N	(Moderate)	B	3.76E-02	Meet Applicable SGC/AGC	3.76E-05	3.76E-05	1.16E-02	6.61E-07
U-PBTH2	See Note 7	0005C	STCK_5C	1	Aluminium hydroxide	21645-51-2	N	(Moderate)	B	0.449	Meet Applicable SGC/AGC	4.49E-04	4.49E-04	0.922	5.26E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Bisphenol A-(epichlorhydrin) epoxy resin	25068-38-6	N	(Moderate)	B	26.0	90%	2.60E-02	2.60E-02	68.9	3.93E-03
U-PBTH2	See Note 7	0005C	STCK_5C	1	3-(2,3-Epoxypropoxy) propyl trimethoxy silane	2530-83-8	N	(Moderate)	B	2.16	Meet Applicable SGC/AGC	2.16	2.16	6162	0.352
U-PBTH2	See Note 7	0005C	STCK_5C	1	Hexamethylene-1,6-diisocyanate homopolymer (HDI Homopolymer)	28182-81-2	Y	High	A	5.01	99%	5.01E-03	5.01E-03	3.72	2.12E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Nepheline syenite	37244-96-5	N	(Moderate)	B	25.8	90%	2.58E-02	2.58E-02	38.2	2.18E-03
U-PBTH2	See Note 7	0005C	STCK_5C	1	bis (1,2,2,6,6-Pentamethyl-4-piperidyl) sebacate	41556-26-7	N	(Moderate)	B	0.639	Meet Applicable SGC/AGC	0.639	0.639	475	2.71E-02
U-PBTH2	See Note 7	0005C	STCK_5C	1	1,2,3-Trimethylbenzene	526-73-8	N	Moderate	B	2.49	Meet Applicable SGC/AGC	0.125	Not Modeled ⁽¹⁰⁾	132	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Dodecamethylcyclohexasil oxane (D6)	540-97-6	N	(Moderate)	B	4.30E-04	Meet Applicable SGC/AGC	2.15E-05	Not Modeled ⁽¹⁰⁾	2.07E-02	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Decamethylcyclopentasiloxane (D5)	541-02-6	N	Low	C	4.30E-04	Meet Applicable SGC/AGC	2.15E-05	Not Modeled ⁽¹⁰⁾	2.07E-02	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Octamethylcyclotetrasiloxane (D4)	556-67-2	N	Moderate	B	4.30E-04	Meet Applicable SGC/AGC	2.15E-05	Not Modeled ⁽¹⁰⁾	2.07E-02	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Stearic acid	57-11-4	N	(Moderate)	B	5.32	Meet Applicable SGC/AGC	5.32	5.32	7088	0.405
U-PBTH2	See Note 7	0005C	STCK_5C	1	Propyleneglycol (Propanediol, 1,2-)	57-55-6	N	Moderate	B	8.68E-02	Meet Applicable SGC/AGC	4.34E-03	Not Modeled ⁽¹⁰⁾	3.46	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	1-Ethyl-2-methylbenzene	611-14-3	N	(Moderate)	B	0.668	Meet Applicable SGC/AGC	3.34E-02	Not Modeled ⁽¹⁰⁾	35.0	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	2-Methylstyrene	611-15-4	N	(Moderate)	B	3.15E-04	Meet Applicable SGC/AGC	1.58E-05	Not Modeled ⁽¹⁰⁾	4.85E-03	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Ethanol + Ethanol (formed by reaction)	64-17-5	N	Low	C	31.3	75%	1.57	Not Modeled ⁽¹⁰⁾	120	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	C10-C13 hydrocarbons (n-alkanes, isoalkanes, cyclics) <2% aromatics (Naphtha Hydrotreated Heavy)	64742-48-9	N	Moderate	B	0.296	Meet Applicable SGC/AGC	1.48E-02	Not Modeled ⁽¹⁰⁾	21.3	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	White spirit (Naphtha Medium Aliphatic)	64742-88-7	N	Moderate	B	0.521	Meet Applicable SGC/AGC	2.61E-02	Not Modeled ⁽¹⁰⁾	12.8	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Solvent naphtha (petroleum), light arom. (Naphtha Light Aromatic)	64742-95-6	N	Moderate	B	28.3	90%	1.41	Not Modeled ⁽¹⁰⁾	1223	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Glass beads	65997-17-3	N	(Moderate)	B	7.06	Meet Applicable SGC/AGC	7.06E-03	7.06E-03	8.45	4.82E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Methanol + Methanol (formed by reaction)	67-56-1	N	Moderate	B	0.896	Meet Applicable SGC/AGC	4.48E-02	Not Modeled ⁽¹⁰⁾	128	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Propan-2-ol (Isopropyl Alcohol)	67-63-0	N	Moderate	B	12.1	90%	0.603	Not Modeled ⁽¹⁰⁾	46.4	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Fatty acids, c18-unsatd., dimers, polymers with triethylenetetramine, reaction products with poly (bisphenol a diglycidyl ether)	68424-41-9	N	(Moderate)	B	23.3	90%	1.16	1.16	358	2.04E-02
U-PBTH2	See Note 7	0005C	STCK_5C	1	Feldspar-group minerals	68476-25-5	N	(Moderate)	B	0.171	Meet Applicable SGC/AGC	1.71E-04	1.71E-04	1.31E-02	7.50E-07
U-PBTH2	See Note 7	0005C	STCK_5C	1	Methylstyrenated phenol	68512-30-1	N	(Moderate)	B	15.0	90%	0.75	0.749	231	1.32E-02
U-PBTH2	See Note 7	0005C	STCK_5C	1	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	N	(Moderate)	B	33.4	90%	1.67	1.67	2471	0.141
U-PBTH2	See Note 7	0005C	STCK_5C	1	Amorphous silica	68611-44-9	N	(Moderate)	B	0.325	Meet Applicable SGC/AGC	3.25E-04	3.25E-04	2.50E-02	1.43E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	Salicylic acid	69-72-7	N	(Moderate)	B	0.168	Meet Applicable SGC/AGC	1.68E-04	1.68E-04	0.203	1.16E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	2-Methoxypropyl acetate	70657-70-4	N	(Moderate)	B	1.77E-03	Meet Applicable SGC/AGC	8.87E-05	Not Modeled ⁽¹⁰⁾	2.73E-02	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl)dimethylammonium chlorides	71011-25-1	N	(Moderate)	B	1.08	Meet Applicable SGC/AGC	1.08E-03	1.08E-03	1.29	7.36E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	bis[(Dimethylamino)methyl]phenol	71074-89-0	N	(Moderate)	B	1.06	Meet Applicable SGC/AGC	1.06	1.060	2244	0.128

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	n-Butanol (N-Butyl Alcohol)	71-36-3	N	Low	C	21.2	75%	1.06	Not Modeled ⁽¹⁰⁾	2096	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Benzene ⁽⁹⁾	71-43-2	Y	High	A	3.37E-02	Meet Applicable SGC/AGC	1.76E-03	1.76E-03	5.88	3.36E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Lead ⁽⁹⁾	7439-92-1	Y	High	A	1.95E-04	Meet Applicable SGC/AGC	1.72E-05	1.72E-05	0.149	8.51E-06
U-PBTH2	OVEN_C, OVEN_D, RTO_2	0005C	STCK_5C	1	Manganese ⁽⁹⁾	7439-96-5	Y	High	A	1.16E-05	Meet Applicable SGC/AGC	1.29E-05	1.29E-05	0.113	1.29E-05
U-PBTH2	OVEN_C, OVEN_D, RTO_2	0005C	STCK_5C	1	Cadmium ⁽⁹⁾	7440-43-9	Y	High	A	3.35E-05	Meet Applicable SGC/AGC	3.74E-05	3.74E-05	0.328	3.74E-05
U-PBTH2	OVEN_C, OVEN_D, RTO_2	0005C	STCK_5C	1	Chromium ⁽⁹⁾	7440-47-3	Y	High	A	4.27E-05	Meet Applicable SGC/AGC	4.76E-05	4.76E-05	0.417	4.76E-05
U-PBTH2	OVEN_C, OVEN_D, RTO_2	0005C	STCK_5C	1	Nickel ⁽⁹⁾	7440-02-0	Y	High	A	6.40E-05	Meet Applicable SGC/AGC	7.15E-05	7.15E-05	0.626	7.15E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Zinc powder - zinc dust (stabilized)	7440-66-6	N	Low	C	93.0	75%	9.30E-02	9.30E-02	83.4	4.76E-03
U-PBTH2	See Note 7	0005C	STCK_5C	1	Silicon dioxide	7631-86-9	N	(Moderate)	B	0.179	Meet Applicable SGC/AGC	1.79E-04	1.79E-04	0.350	2.00E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Zinc chloride	7646-85-7	N	Moderate	B	0.171	Meet Applicable SGC/AGC	1.71E-04	1.71E-04	1.31E-02	7.50E-07
U-PBTH2	See Note 7	0005C	STCK_5C	1	Hydrogen chloride	7647-01-0	N	Moderate	B	4.39E-02	Meet Applicable SGC/AGC	4.39E-02	4.39E-02	3.37	1.93E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Barium sulfate	7727-43-7	N	Moderate	B	6.00	Meet Applicable SGC/AGC	6.00E-03	6.00E-03	4.45	2.54E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Dibutyltin dilaurate	77-58-7	N	(Moderate)	B	1.22E-02	Meet Applicable SGC/AGC	1.22E-05	1.22E-05	9.08E-03	5.19E-07

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Trizinc bis(orthophosphate)	7779-90-0	N	(Moderate)	B	0.581	Meet Applicable SGC/AGC	5.81E-04	5.81E-04	0.431	2.46E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Pigment black 10, 77265 (Graphite)	7782-42-5	N	(Moderate)	B	0.963	Meet Applicable SGC/AGC	9.63E-04	9.63E-04	1.15	6.55E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Trimethylolpropane	77-99-6	N	(Moderate)	B	0.507	Meet Applicable SGC/AGC	0.507	0.5069808	376	2.15E-02
U-PBTH2	See Note 7	0005C	STCK_5C	1	2-Methylpropan-1-ol (Isobutyl Alcohol)	78-83-1	N	(Moderate)	B	8.68E-02	Meet Applicable SGC/AGC	4.34E-03	Not Modeled ⁽¹⁰⁾	3.46	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Hydrogenated castor oil	8001-78-3	N	(Moderate)	B	4.07	Meet Applicable SGC/AGC	4.07	4.07	3914	0.223
U-PBTH2	See Note 7	0005C	STCK_5C	1	Lecithin	8002-43-5	N	(Moderate)	B	7.98E-02	Meet Applicable SGC/AGC	7.98E-05	7.98E-05	5.92E-02	3.38E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	4,4'-Isopropylidenediphenol	80-05-7	N	(Moderate)	B	2.58E-02	Meet Applicable SGC/AGC	2.58E-05	2.58E-05	5.16E-02	2.94E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	C12-14 Alcohols	80206-82-2	N	(Moderate)	B	0.682	Meet Applicable SGC/AGC	0.682	0.682	1010	5.76E-02
U-PBTH2	See Note 7	0005C	STCK_5C	1	Hexamethylene-di-isocyanate (HDI)	822-06-0	Y	High	A	6.71E-02	Meet Applicable SGC/AGC	3.36E-03	3.36E-03	2.49	1.42E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Methyl-1,2,2,6,6-pentamethyl-4-piperidylsebacate	82919-37-7	N	(Moderate)	B	0.160	Meet Applicable SGC/AGC	0.160	0.160	119	6.77E-03
U-PBTH2	See Note 7	0005C	STCK_5C	1	Polyoxypropylenediamine	9046-10-0	N	(Moderate)	B	19.7	90%	0.98	0.985	947	5.40E-02
U-PBTH2	See Note 7	0005C	STCK_5C	1	2,4,6-tris(Dimethylaminomethyl) phenol	90-72-2	N	(Moderate)	B	6.01	Meet Applicable SGC/AGC	6.01	6.01	12717	0.726
U-PBTH2	See Note 7	0005C	STCK_5C	1	Naphthalene ⁽⁹⁾	91-20-3	N	Moderate	B	2.24E-02	Meet Applicable SGC/AGC	1.14E-03	Not Modeled ⁽¹⁰⁾	1.01	Not Modeled ⁽¹⁰⁾

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	1,2,4-Trimethylbenzene	95-63-6	N	Moderate	B	7.25	Meet Applicable SGC/AGC	0.362	Not Modeled ⁽¹⁰⁾	383	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Cumene	98-82-8	N	(Moderate)	B	0.340	Meet Applicable SGC/AGC	1.70E-02	Not Modeled ⁽¹⁰⁾	17.9	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	2-Phenylpropene (Methyl Styrene)	98-83-9	N	(Moderate)	B	7.57E-02	Meet Applicable SGC/AGC	3.78E-03	Not Modeled ⁽¹⁰⁾	1.16	Not Modeled ⁽¹⁰⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	1,3-bis(12-Hydroxyoctadecanamide-N-methyle) benzene	None	N	(Moderate)	B	1.76	Meet Applicable SGC/AGC	1.76	1.76	3667	0.209
U-PBTH2	See Note 7	0005C	STCK_5C	1	Acrylic resin	None	N	(Moderate)	B	14.0	90%	1.40E-02	1.40E-02	10.4	5.93E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Alkyd resin	None	N	(Moderate)	B	0.196	Meet Applicable SGC/AGC	1.96E-04	1.96E-04	0.283	1.62E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Block copolymer	None	N	(Moderate)	B	0.120	Meet Applicable SGC/AGC	1.20E-04	1.20E-04	8.90E-02	5.08E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	Fluoro polysiloxane	None	N	(Moderate)	B	9.22E-04	Meet Applicable SGC/AGC	9.22E-07	9.22E-07	8.87E-04	5.06E-08
U-PBTH2	See Note 7	0005C	STCK_5C	1	Polyamineamide salt	None	N	(Moderate)	B	0.217	Meet Applicable SGC/AGC	2.17E-04	2.17E-04	0.173	9.88E-06
U-PBTH2	See Note 7	0005C	STCK_5C	1	Polymer of: m-Xylylene-diamine, (versatic acid) monoglycidylester and bisphenol A-(epichlorhydrin) epoxy resin	None	N	(Moderate)	B	6.66	Meet Applicable SGC/AGC	6.66E-03	6.66E-03	6.41	3.66E-04
U-PBTH2	See Note 7	0005C	STCK_5C	1	Polymer of: triethylenetetramine, polyaminoamide and bisphenol A-(epichlorhydrin) epoxy resin	None	N	(Moderate)	B	8.66	Meet Applicable SGC/AGC	8.66E-03	8.66E-03	13.3	7.62E-04

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
U-PBTH2	See Note 7	0005C	STCK_5C	1	Polyolefins	None	N	(Moderate)	B	3.26E-02	Meet Applicable SGC/AGC	3.26E-05	3.26E-05	1.60E-02	9.12E-07
U-PBTH2	See Note 7	0005C	STCK_5C	1	Reaction mass of N, N'-hexane-1,6-diylbis[12-Hydroxyoctadecanamide] and 12-hydroxy-N-[6-[1-oxoalkyl)amino] hexyl] octadecanamide	None	N	(Moderate)	B	0.756	Meet Applicable SGC/AGC	7.56E-04	7.56E-04	1.57	8.97E-05
U-PBTH2	See Note 7	0005C	STCK_5C	1	Methyl Ethyl Ketone	78-93-3	N	Moderate	B	6.90	90%	0.345	Not Modeled ⁽¹⁰⁾	2014	Not Modeled ⁽¹⁰⁾
U-METAL	See Note 8	VNT1C - VNT4C	VENT_1C - VENT_4C	4	Zinc powder - zinc dust (stabilized)	7440-66-6	N	Low	C	120	75%	0.120	3.00E-02	1050	3.00E-02
U-METAL	See Note 8	VNT1C - VNT4C	VENT_1C - VENT_4C	4	Lead	7439-92-1	Y	High	A	1.68E-03	Meet Applicable SGC/AGC	1.68E-06	4.20E-07	1.47E-02	4.20E-07
U-METAL	See Note 8	VNT1C - VNT4C	VENT_1C - VENT_4C	4	Cadmium	7440-43-9	Y	High	A	1.20E-04	Meet Applicable SGC/AGC	1.20E-07	3.00E-08	1.05E-03	3.00E-08

Notes:

(1) From DAR-1 AGC/SGC Tables: H = High, M = Moderate, L = Low. In accordance with DAR-1 procedures, when assigning an initial Environmental Rating (ER) for each contaminant, an ER of "A" should be assigned to high toxicity contaminants; an ER of "B" should be assigned to moderate toxicity contaminants; an ER of "C" should be assigned to low toxicity contaminants; and, an ER of "D" should only be initially assigned to contaminants identified as simple asphyxiants.

(2) Per DAR-1 procedures, those air contaminants without a toxicity classification should be assigned a moderate toxicity classification. Thus, where a toxicity value has not been assigned in the AGC/SGC Tables, a moderate toxicity rating, denoted as "(moderate)", is shown. SGC and AGC which are not available are denoted as "--".

(3) Modeled Emission Rate represents the potential emission rate per emission point/stack. For example, for a process emission source with three (3) emission points, the potential emissions from the process are divided by 3 for purposes of air dispersion modeling.

(4) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: MACHINING_A, WELD_A, GRIND_A. U-MFR_A (Building A ventilation system) fabric filter control efficiency = 99%.

(5) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: MACHINING_B, WELD_B, GRIND_B. U-MFR_B (Building B ventilation system) fabric filter control efficiency = 99%.

(6) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: MANUAL_P1, AUTO_P1, PBTHFLTR_A, PBTHFLTR_B, OVEN_A, OVEN_B, RTO_1. U-PBTH1 VOC control efficiency = 95%. U-PBTH1 fabric filter control efficiency = 99.9%.

(7) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: MANUAL_P2, AUTO_P2, PBTHFLTR_C, PBTHFLTR_D, OVEN_C, OVEN_D, RTO_2. U-PBTH2 VOC control efficiency = 95%. U-PBTH2 fabric filter efficiency = 99.9%.

(8) Includes the following emission sources/controls (as defined in the Applicant's NYSDEC Air State Facility Permit Application: METALLIZING, METALFLTR. U-METAL fabric filter control efficiency = 99%.

(9) Air contaminant proposed allowable and modeled emission rates include contributions from the process emission source (surface coating) and/or as well as the combustion-related emissions from the

Point Source Non-Criteria Air Contaminant Emissions Summary

Emission Unit	Emission Source	Emission Point	Modeled Source ID	No. of Exhaust Stacks	Contaminant Name	CAS No.	HTAC?	NYSDEC DAR-1 Toxicity Level ^{(1), (2)}	Assigned Env. Rating (ER) ⁽¹⁾	Emission Rate Potential (ERP) (lb/hr)	Air Cleaning Requirements of Table 4 of 212-2.3	Proposed Allowable Hourly Emission Rate (lb/hr)	Modeled Hourly Emission Rate (lb/hr) ⁽³⁾	Proposed Allowable Annual Emissions (lbs/yr) ⁽³⁾	Modeled Annual Emission Rate (lb/hr) ⁽³⁾
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curing ovens and control device (recuperative thermal oxidizer) due to the combustion of natural gas.

(10) Chemical (VOC) excepted per 212-1.4(l)(1).

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Summary of Maximum Predicted Criteria Air Contaminant Impacts Beyond Fence Line

Air Pollutant	Averaging Period	Background (µg/m³)	Model Results (µg/m³)	Total (µg/m³)	Pollutant NAAQS (µg/m³)	Percent of Standard
NO ₂ ⁽¹⁾	1-hr	Seasonal ⁽²⁾	116.8	116.8	188.0	62.10%
NO ₂	Annual	Seasonal ⁽²⁾	41.2	41.2	100.0	41.22%
PM ₁₀	24-hr	61.4 ⁽³⁾	24.4	85.8	150.0	57.18%
PM _{2.5} ⁽¹⁾	24-hr	21.0 ⁽⁴⁾	13.3	34.3	35.0	98.06%
PM _{2.5}	Annual	8.00 ⁽⁴⁾	3.08	11.1	12.0	92.33%
Pb	Rolling 3-month	0.071 ⁽⁵⁾	9.33E-05	7.11E-02	0.15	47.40%

Table Notes:

(1) H8H value averaged over 5-years of meteorological data.

(2) Seasonal background NO₂ concentrations (seasonal hour of day NO₂ background data) from Chicopee, MA (Station ID 25-013-0008) were incorporated into the modeling results. NO₂ data from December 2017 to November 2020, and processed them to the type of “seasonal hour of day” data. For each season, three consecutive months of data were used. This data was obtained from NYSDEC.

(3) Background 24-hour PM₁₀ concentration based upon maximum 24-hour values recorded at Mohawk Mt-Cornwall, CT (Station ID 09-005-0005) in 2020.

(4) Background 24-hour PM_{2.5} concentration based upon the 2018-2020 average of the 98th percentile 24-hour PM_{2.5} values recorded at Albany Co. HD, NY (Station ID 36-001-0005). Background annual mean PM_{2.5} concentration based upon the 2018-2020 annual mean PM_{2.5} values.

(5) Background Lead concentration based upon H1H Rolling 3-month average concentration recorded at Palmerton, PA (Station ID 42-025-0217) in 2020.

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Summary of Maximum Predicted Criteria Air Contaminant Impacts at Ezra Prentice (EJ Community)

Air Pollutant	Averaging Period	Background ($\mu\text{g}/\text{m}^3$)	Model Results ($\mu\text{g}/\text{m}^3$)	Total ($\mu\text{g}/\text{m}^3$)	Pollutant NAAQS ($\mu\text{g}/\text{m}^3$)	Percent of Standard
NO ₂ ⁽¹⁾	1-hr	Seasonal ⁽²⁾	67.6	67.6	188.0	35.97%
NO ₂	Annual	Seasonal ⁽²⁾	32.7	32.7	100.0	32.71%
PM ₁₀	24-hr	61.4 ⁽³⁾	1.50	62.9	150.0	41.93%
PM _{2.5} ⁽¹⁾	24-hr	21.0 ⁽⁴⁾	0.51	21.5	35.0	61.46%
PM _{2.5}	Annual	8.00 ⁽⁴⁾	8.49E-02	8.1	12.0	67.40%
Pb	Rolling 3-month	0.071 ⁽⁵⁾	0.00E+00	7.10E-02	0.15	47.33%

Table Notes:

(1) H8H value averaged over 5-years of meteorological data.

(2) Seasonal background NO₂ concentrations (seasonal hour of day NO₂ background data) from Chicopee, MA (Station ID 25-013-0008) were incorporated into the modeling results. NO₂ data from December 2017 to November 2020, and processed them to the type of “seasonal hour of day” data. For each season, three consecutive months of data were used. This data was obtained from NYSDEC.

(3) Background 24-hour PM₁₀ concentration based upon maximum 24-hour values recorded at Mohawk Mt-Cornwall, CT (Station ID 09-005-0005) in 2020.

(4) Background 24-hour PM_{2.5} concentration based upon the 2018-2020 average of the 98th percentile 24-hour PM_{2.5} values recorded at Albany Co. HD, NY (Station ID 36-001-0005). Background annual mean PM_{2.5} concentration based upon the 2018-2020 annual mean PM_{2.5} values.

(5) Background Lead concentration based upon H1H Rolling 3-month average concentration recorded at Palmerton, PA (Station ID 42-025-0217) in 2020.

Summary of Maximum Predicted Hourly and Annual Non-Criteria Air Contaminant Impacts Beyond Fence Line and at Ezra Prentice (EJ Community)

Non-Criteria Air Contaminant	Air Contaminant CAS	Maximum 1-Hr Impact Beyond Fence Line ($\mu\text{g}/\text{m}^3$)	Maximum Annual Impact Beyond Fence Line ($\mu\text{g}/\text{m}^3$)	Maximum 1-Hr Impact at Ezra Prentice (EJ Community) ($\mu\text{g}/\text{m}^3$)	Maximum Annual Impact at Ezra Prentice (EJ Community) ($\mu\text{g}/\text{m}^3$)	NYSDEC DAR-1 SGC ($\mu\text{g}/\text{m}^3$)	NYSDEC DAR-1 AGC ($\mu\text{g}/\text{m}^3$)
1,3-bis(12-Hydroxyocta-decanamide-N-methyle) benzene	None	45.4	0.50	3.63	8.23E-03	(--)	(0.1)
1,6-Hexanediol diglycidylether	16096-31-4	0.19	9.82E-04	1.53E-02	1.60E-05	(--)	(0.1)
2,4,6-tris(Dimethylaminomethyl)phenol	90-72-2	154.7	1.75	12.4	2.85E-02	(--)	(0.1)
3-(2,3-Epoxypropoxy) propyl trimethoxy silane	2530-83-8	55.7	0.85	4.46	1.38E-02	(--)	(0.1)
3,6-Diazaoctanethylenediamin (Triethylenetetramine)	112-24-3	30.6	0.29	2.45	4.77E-03	--	10.0
4,4'-Isopropylidenediphenol	80-05-7	6.60E-04	1.00E-05	5.00E-05	0.00E+00	(--)	(0.1)
Acrylic resin	None	0.36	1.43E-03	2.89E-02	2.33E-05	(--)	(0.1)
Alkyd resin	None	5.06E-03	4.00E-05	4.00E-04	0.00E+00	(--)	(0.1)
Aluminium hydroxide	21645-51-2	1.16E-02	1.30E-04	9.20E-04	0.00E+00	(--)	(0.1)
Aluminium oxide	1344-28-1	4.70E-02	6.40E-04	2.67E-03	3.00E-05	--	2.4
Amorphous silica	68611-44-9	8.38E-03	0.00E+00	6.70E-04	0.00E+00	(--)	(0.1)
Barium sulfate	7727-43-7	0.15	6.10E-04	1.24E-02	1.00E-05	--	12.0
Benzene	71-43-2	4.53E-02	8.10E-04	3.63E-03	1.00E-05	27.0	0.13
Benzyl chloride	100-44-7	2.21E-03	1.00E-05	1.80E-04	0.00E+00	240.0	0.02
bis (1,2,2,6,6-Pentamethyl-4-piperidyl) sebacate	41556-26-7	16.5	6.52E-02	1.32	1.06E-03	(--)	(0.1)
bis[(Dimethylamino)methyl]phenol	71074-89-0	27.3	0.31	2.19	5.03E-03	(--)	(0.1)
Bisphenol A-(epichlorhydrin) epoxy resin	25068-38-6	0.67	9.46E-03	5.37E-02	1.50E-04	(--)	(0.1)
Block copolymer	None	3.09E-03	1.00E-05	2.50E-04	0.00E+00	(--)	(0.1)
C12-14 Alcohols	80206-82-2	17.6	0.14	1.41	2.27E-03	(--)	(0.1)
Cadmium	7440-43-9	9.70E-04	9.00E-05	8.00E-05	0.00E+00	--	0.00024
Calcium Carbonate	16389-88-1	7.32E-03	1.00E-04	3.30E-04	0.00E+00	(--)	(0.1)
Carbon black	1333-86-4	4.20E-04	0.00E+00	3.00E-05	0.00E+00	--	7.0
Chromium	7440-47-3	8.41	0.11	0.38	4.46E-03	--	45.0
Copper	7440-50-8	2.67	3.60E-02	0.12	1.43E-03	100.0	0.48
Cryolite	13775-53-6	1.25E-02	1.70E-04	5.60E-04	1.00E-05	(--)	(0.1)
Cured phenolic resin	9003-35-4	1.57E-02	2.10E-04	7.00E-04	1.00E-05	(--)	(0.1)
Dibenzyl ether	103-50-4	4.42E-01	2.27E-03	3.54E-02	4.00E-05	(--)	(0.1)
Dibutyltin dilaurate	77-58-7	3.20E-04	0.00E+00	3.00E-05	0.00E+00	(--)	(0.1)
Dipotassium oxide	12136-45-7	1.65E-03	1.00E-05	1.30E-04	0.00E+00	(--)	(0.1)
Fatty acids, c18-unsatd., dimers, polymers with triethylenete	68424-41-9	29.9	4.92E-02	2.40	8.00E-04	(--)	(0.1)

Summary of Maximum Predicted Hourly and Annual Non-Criteria Air Contaminant Impacts Beyond Fence Line and at Ezra Prentice (EJ Community)

Non-Criteria Air Contaminant	Air Contaminant CAS	Maximum 1-Hr Impact Beyond Fence Line ($\mu\text{g}/\text{m}^3$)	Maximum Annual Impact Beyond Fence Line ($\mu\text{g}/\text{m}^3$)	Maximum 1-Hr Impact at Ezra Prentice (EJ Community) ($\mu\text{g}/\text{m}^3$)	Maximum Annual Impact at Ezra Prentice (EJ Community) ($\mu\text{g}/\text{m}^3$)	NYSDEC DAR-1 SGC ($\mu\text{g}/\text{m}^3$)	NYSDEC DAR-1 AGC ($\mu\text{g}/\text{m}^3$)
Feldspar-group minerals	68476-25-5	4.40E-03	0.00E+00	3.50E-04	0.00E+00	(--)	(0.1)
Fluoro polysiloxane	None	2.00E-05	0.00E+00	0.00E+00	0.00E+00	(--)	(0.1)
Glass beads	65997-17-3	0.18	1.16E-03	1.46E-02	2.00E-05	(--)	(0.1)
Hexamethylene-1,6-diisocyanate homopolymer (HDI Homopolymer)	28182-81-2	0.13	5.10E-04	1.03E-02	1.00E-05	4.5	0.4
Hexamethylene-di-isocyanate (HDI)	822-06-0	8.65E-02	3.40E-04	6.92E-03	1.00E-05	0.3	0.01
Hydrogen chloride	7647-01-0	1.13	4.60E-04	9.04E-02	1.00E-05	2100.0	20.0
Hydrogenated castor oil	8001-78-3	104.8	0.54	8.39	8.78E-03	(--)	(0.1)
Iron hydroxide oxide	20344-49-4	9.70E-04	0.00E+00	8.00E-05	0.00E+00	(--)	(0.1)
Kaolin (Clay)	1332-58-7	0.27	0.11	2.14E-02	1.79E-03	--	4.8
Lead powder (particle diameter < 1mm)	7439-92-1	5.00E-04	3.00E-05	4.00E-05	0.00E+00	--	0.038
Lead compounds (Lead Tetraoxide)	1314-41-6	2.00E-05	0.00E+00	0.00E+00	0.00E+00	--	0.042
Lecithin	8002-43-5	2.06E-03	1.00E-05	1.60E-04	0.00E+00	(--)	(0.1)
Limestone	1317-65-3	0.64	4.58E-03	5.16E-02	7.00E-05	(--)	(0.1)
Manganese	7439-96-5	0.47	6.52E-03	5.11E-02	3.10E-04	--	0.05
Methyl-1,2,2,6,6-pentamethyl-4-piperidylsebacate	82919-37-7	4.12	1.63E-02	0.33	2.70E-04	(--)	(0.1)
Methylstyrenated phenol	68512-30-1	19.3	3.17E-02	1.54	5.20E-04	(--)	(0.1)
Mica	12001-26-2	5.87E-03	0.00E+00	4.70E-04	0.00E+00	--	7.1
Nepheline syenite	37244-96-5	0.66	5.24E-03	5.32E-02	9.00E-05	(--)	(0.1)
Nickel	7440-02-0	6.06E-02	9.70E-04	6.80E-03	5.00E-05	0.2	0.0042

Table Notes:

(1) Per DAR-1 procedures, air contaminants that currently do not have an AGC assigned to them should be evaluated based upon a de minimus concentration of $0.1 \mu\text{g}/\text{m}^3$ predicted at the fence line. The $0.1 \mu\text{g}/\text{m}^3$ concentration is to be used as a first-time conservative approach to evaluate the dispersion of the air contaminant. (If this occurs, the permit writer should forward the air contaminant's CAS registry number to the Air Toxics Section (ATS), within DAR, for the development of an AGC). SGC which are not assigned are denoted as "--" or "(--)". AGC which are not assigned are denoted as "(0.1)".