

Appendix E:
Air Quality

Industrial Source Emission Profile

Kingsbridge Armory

Table E-1

Industrial Source Analysis Emissions Profile

Use Group Lookup	CAS No: Pollutant	Emissions (ST)		SGC	Emissions (AN)		AGC	
		(lb/hr)			(lb/yr)			
		95th Percentile	Max		95th Percentile	Max		
Use Group I								
Use Group II								
Use Group III(A)								
Use Group III(B)								
Use Group IV(A)								
Use Group IV(B)								
Use Group IV(C)								
Use Group V								
Use Group VI								
Educational Services (611)	00124-38-9: CARBON DIOXIDE	2.00E-03	2.00E-03	---	2.50	2.50	21,000	
	00630-08-0: CARBON MONOXIDE	2.00E-03	2.00E-03	40,000	2.50	2.50	---	
	NY075-00-0: PARTICULATES	3.00	3.16	150	3755.195	3952.5	---	
Use Group VII								
Use Group VIII								
Art Galleries and Studios	00064-17-5: ETHANOL	0.10	0.10	---	160	160	45,000	
	00067-63-0: ISOPROPYL ALCOHOL	9.88	10.4	98,000	18.872	19.76	7,000	
	00078-93-3: METHYL ETHYL KETONE	4.00E-03	4.00E-03	13,000	3.85	3.85	5,000	
	00108-88-3: TOLUENE	1.14	1.20	37,000	456.3625	480	5,000	
	00127-18-4: TETRACHLOROETHYLENE	0.10	0.10	300	159.5	160	3.80	
	07439-92-1: LEAD	2.90E-03	3.00E-03	---	3.99	4.20	0.04	
	07440-31-5: TIN	1.00E-03	1.00E-03	20	1.00E-03	1.00E-03	0.24	
	07440-36-0: ANTIMONY	1.00E-03	1.00E-03	---	1.00E-03	1.00E-03	1.20	
	07647-01-0: HYDROGEN CHLORIDE	4.00E-03	4.00E-03	2,100	0.16	0.16	20	
	07664-41-7: AMMONIA	0.10	0.10	2,400	1.00	1.00	500	
	07783-06-4: HYDROGEN SULFIDE	4.00E-03	4.00E-03	---	1.60	1.60	2.00	
	68527-16-2: HYDROCARBONS C1-3	0.01	0.02	---	7.15	7.50	---	
	NY075-00-0: PARTICULATES	9.40E-03	0.01	150	9.76	11.2	---	
	NY103-00-0: ACID MIST NEC	1.00E-03	1.00E-03	---	0.40	0.40	---	
	Use Group IX(A)							
	Use Group IX(B)							
Use Group IX(C)								

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Use Group Lookup	CAS No: Pollutant	Emissions (ST)		SGC	Emissions (AN)		AGC
		(lb/hr)			(lb/yr)		
		95th Percentile	Max		95th Percentile	Max	
Use Group X							
Beverage and Tobacco Product Manufacturing (312)	01335-25-7: LEAD OXIDE	0.01	0.01	---	0.01	0.01	0.04
	NY075-00-0: PARTICULATES	0.21	0.22	150	392.35415	413	---
	NY909-00-0: TOTAL ORGANICS	3.13	3.13	---	6006	6006	---
	NY930-00-0: ORGANIC SOLVENTS	3.13	3.13	---	6006	6006	---
Textile mills (313)	00078-59-1: ISOPHORONE	0.13	0.13	2,800	262.1	262.1	---
	00108-10-1: METHYL ISOBUTYL KETONE	0.14	0.14	31,000	291.2	291.2	3,000
	00110-82-7: CYCLOHEXANE	0.71	0.71	---	1470.5	1470.5	6,000
	00630-08-0: CARBON MONOXIDE	0.13	0.13	40,000	274.235	282.9	---
	07446-09-5: SULFUR DIOXIDE	4.70E-03	5.00E-03	196	9.47	10.2	80
	07732-18-5: WATER MIST	1.10	1.10	---	2560	2560	---
	08002-05-9: PETROLEUM DISTILLATES	2.05	2.24	---	9766.4	10682	---
	NY075-00-0: PARTICULATES	1.28	1.67	150	2610.7	3475	---
	NY090-00-0: OIL MIST	0.30	0.31	---	711.79	749	---
	NY210-00-0: OXIDES OF NITROGEN	1.21	1.33	---	2634	2912	---
	NY550-00-0: ALIPHATIC HYDROCARB	1.10	1.10	---	2200	2200	---
	NY920-00-0: PAINT THINNER	0.26	0.26	---	832	832	---
	Textile product mills (314)	00100-51-6: BENZYL ALCOHOL	0.06	0.06	1,300	51.68	51.68
00108-94-1: CYCLOHEXONE		0.02	0.02	20,000	18.8	18.8	190
00112-07-2: BUTOXYETHYL ACETATE		6.00E-03	6.00E-03	---	4.72	4.72	310
00123-42-2: DIACETONE ALCOHOL		4.00E-03	4.00E-03	---	2.88	2.88	570
64742-95-6: NAPHTHA LIGHT AROMATIC		0.04	0.04	---	30.4	30.4	100
NY075-00-0: PARTICULATES		0.17	0.17	150	340	340	---
NY998-00-0: TOTAL ORGANIC SOLVE		0.61	0.61	---	3.30	3.30	---
Apparel Manufacturing (315)	00064-19-7: ACETIC ACID	0.17	0.17	3,700	336	336	60
	00074-82-8: METHANE	0.40	0.40	---	16.14	16.14	1,600
	00092-52-4: BIPHENYL	0.06	0.06	---	110	110	3.10
	00095-50-1: DICHLOROBENZINE, ortho	0.03	0.03	30,000	60.5	60.5	200
	00106-46-7: 1,4-DICHLOROBENZENE(P)	0.03	0.03	---	55	55	0.09
	00108-88-3: TOLUENE	0.32	0.32	37,000	375	375	5,000
	00111-76-2: ETHYLENGLYCOLMONBUTY	0.04	0.04	4,700	88	88	1,600
	00120-82-1: TRICHCOLOR BENZENE	0.17	0.17	3,700	330	330	35
	00630-08-0: CARBON MONOXIDE	0.07	0.08	40,000	141.5	166	---
	07446-09-5: SULFUR DIOXIDE	0.26	0.40	196	261.7472	400	80
	07664-41-7: AMMONIA	0.05	0.05	2,400	98.4	100	500
	07732-18-5: WATER MIST	19.04	20.6	---	39800	42000	---
	08002-05-9: PETROLEUM DISTILLATES	0.16	0.16	---	763	763	---
	10102-43-9: NITROGEN OXIDE	0.48	0.48	---	998	998	74
	10102-44-0: NITROGEN DIOXIDE	0.06	0.06	188	92	92	100
	68476-39-1: HYDROCARBON MISC.	0.03	0.03	---	66.6	66.6	---
	NY075-00-0: PARTICULATES	0.07	4.82	150	154.1	8100	---
	NY105-00-0: LIQUID MIST NEC	0.50	0.50	---	800	800	---
	NY210-00-0: OXIDES OF NITROGEN	0.44	0.57	---	704	912	---
	NY439-00-0: TOTAL AROMATIC HYDRO	9.85E-03	0.01	---	31.2	32	---
	NY495-00-0: TOTAL HYDROCARBONS	0.96	0.98	---	1868.75	1950	---
	NY550-00-0: ALIPHATIC HYDROCARB	3.00	3.00	---	5880	5880	---
	NY920-00-0: PAINT THINNER	4.00E-03	4.00E-03	---	3.20	3.20	---

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Use Group Lookup	CAS No: Pollutant	Emissions (ST)		SGC	Emissions (AN)		AGC
		(lb/hr)			(lb/yr)		
		95th Percentile	Max		95th Percentile	Max	
Leather and Allied Product Manufacturing (316)							
	NY075-00-0: PARTICULATES	2.00E-03	2.00E-03	150	3.20	3.20	---
Wood Product Manufacturing (321)							
	00050-00-0: FORMADEHYDE	4.60E-03	5.00E-03	30	7.36	8.00	0.06
	00064-17-5: ETHANOL	1.39	2.10	---	637.5	1200	45,000
	00064-19-7: ACETIC ACID	0.03	0.03	3,700	176.74	195.8	60
	00067-56-1: METHANOL	0.27	0.70	33,000	338	1120	4,000
	00067-63-0: ISOPROPYL ALCOHOL	1.93	7.20	98,000	2105.4	14400	7,000
	00067-64-1: ACETONE	1.30	3.39	180,000	1855	3251	30,000
	00071-36-3: BUTYL ALCOHOL, N-	2.16	6.10	---	1591.2	3456	1,500
	00071-55-6: METHYL CHLOROFORM	0.12	0.12	9,000	96	96	5,000
	00075-05-8: ACETONITRILE	1.36	1.36	---	3.00	3.00	60
	00078-83-1: ISOBUTYL ALCOHOL	4.32	12.96	---	6912	20736	360
	00078-93-3: METHYL ETHYL KETONE	1.72	2.45	13,000	2752	2919	5,000
	00084-74-2: DIBUTYL PHALATE	0.02	0.02	---	29.7922	30.876	12
	00085-68-7: BUTYL BENZYL PHTHALA	0.01	0.01	---	10	10.5	0.42
	00093-43-6: LACTOL	6.55	6.55	---	1218	1218	---
	00100-41-4: ETHYL BENZENE	0.06	0.06	---	25.6892	28	1,000
	00100-42-5: STYRENE	3.00	3.00	17,000	3750	3750	1,000
	00107-98-2: PROPYLENE GLYCOL METHYL ET	0.07	0.07	36,850	504.56195	530.381	2,000
	00108-10-1: METHYL ISOBUTYL KETONE	1.50	1.60	31,000	2266	2560	3,000
	00108-21-4: ISOPROPYL ACETATE	5.76	6.75	62,700	11120.4	13500	995
	00108-88-3: TOLUENE	4.78	9.40	37,000	6912	8640	5,000
	00108-94-1: CYCLOHEXONE	2.82	2.82	20,000	5406	5406	190
	00110-19-0: ISOBUTYL ACETATE	1.93	2.52	71,300	1584	1890	565
	00110-54-3: HEXANE	1.99	2.07	---	1021.6	1024	700
	00110-80-5: GLYCOL MONOETHYLETHER	0.05	0.06	370	103	108	200
	00111-15-9: CELLOSOLVE ACETATE	0.07	0.08	140	22.023	23	64
	00111-76-2: ETHYLENGLYCOLMONBUTY	0.25	0.34	4,700	223.2	288	1,600
	00112-07-2: BUTOXYETHYL ACETATE	1.00E-03	1.00E-03	---	4.18	4.18	310
	00117-81-7: DIOCTYL PHTHALATE	0.32	0.49	---	397.2	496	0.42
	00123-86-4: BUTYL ACETATE	3.00	10.13	71,300	2000	20260	565
	00124-38-9: CARBON DIOXIDE	24.48	24.48	---	53.85	53.85	21,000
	00141-78-6: ETHYL ACETATE	10.435	17.5	---	2299.05	2889	3,400
	00628-63-7: AMYL ACETATE, N-	0.01	0.01	53,000	81.705	81.705	630
	00630-08-0: CARBON MONOXIDE	1.39	1.47	40,000	715.95	771	---
	01310-73-2: SODIUM HYDROXIDE	1.00E-03	1.00E-03	200	1.60	1.60	---
	01330-20-7: XYLENE,M,O&P MIXT.	3.23	10	22,000	4650	7218	100
	01332-58-7: KAOLIN (CLAY)	8.00E-03	8.00E-03	---	58.118	58.118	4.80
	07446-09-5: SULFUR DIOXIDE	1.00E-03	1.00E-03	196	1.53	1.60	80
	07727-43-7: BARIUM SULFATE	5.00E-03	5.00E-03	---	5.00	5.00	12
	07732-18-5: WATER MIST	20	20	---	100	100	---
	08002-05-9: PETROLEUM DISTILLATES	0.00E+00	0.00E+00	---	4186	4186	---
	08032-32-4: LIGROINE	0.03	0.03	---	48	48	900
	09004-34-6: CELLULOS	3.37	3.37	---	6740	6740	---
	09004-70-0: CELLULOSE NITRATE	0.39	0.53	---	375.56	424	---
	10102-43-9: NITROGEN OXIDE	0.02	0.02	---	52.8	52.8	74
	10102-44-0: NITROGEN DIOXIDE	0.17	0.18	188	968.565	1019.5	100
	13463-67-7: TITANIUM DIOXIDE	0.02	0.02	---	152.97	152.97	24
	14807-96-6: TALC	8.00E-03	8.00E-03	---	57.412	57.412	4.80
	34590-94-8: DIPROPYLENE GLYCOL METHYL ETHER	0.03	0.03	91,000	7.00	7.00	1,400
	64742-89-8: NAPHTHA LIGHT ALIPHATIC	3.74	3.93	---	7472.229	7860	3,200
	64742-95-6: NAPHTHA LIGHT AROMATIC	0.64	0.64	---	1280	1280	100
	68476-44-8: HYDROCARBONS	0.13	0.13	---	84.2	84.2	---
	68527-16-2: HYDROCARBONS C1-3	0.10	0.10	---	80	80	---
	NY075-00-0: PARTICULATES	0.98	6.41	150	859.4	32000	---
	NY105-00-0: LIQUID MIST NEC	2.80	2.80	---	4480	4480	---
	NY210-00-0: OXIDES OF NITROGEN	9.26	9.81	---	453.6	528	---
	NY390-00-0: AROMATIC ALDEHYDES	0.01	0.01	---	72.8	80.6	---
	NY439-00-0: TOTAL AROMATIC HYDRO	0.57	0.60	---	1140.08	1200	---
	NY495-00-0: TOTAL HYDROCARBONS	0.02	0.02	---	62.94	69.1	---
	NY550-00-0: ALIPHATIC HYDROCARB	0.68	0.68	---	1352	1360	---
	NY559-00-0: TOTAL ALIPHATIC HYD	1.98	2.10	---	2979.2	3200	---
	NY930-00-0: ORGANIC SOLVENTS	0.89	0.90	---	720.9	721	---
	NY990-00-0: MISCELLANEOUS ORG	2.25	2.27	---	4106	4540	---
	NY998-00-0: TOTAL ORGANIC SOLVE	0.21	0.25	---	4.42	5.20	---

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Industrial Source Analysis Emissions Profile

Use Group Lookup	CAS No: Pollutant	Emissions (ST)		SGC	Emissions (AN)		AGC
		(lb/hr)			(lb/yr)		
		95th Percentile	Max		95th Percentile	Max	
Printing and Related Support Activities (323)	00050-00-0: FORMADEHYDE	2.00E-03	2.00E-03	30	0.02	0.02	0.06
	00056-81-5: GLYCERIN	0.02	0.02	---	29.165	30	240
	00062-53-3: ANILINE	1.00E-03	1.00E-03	---	0.03	0.03	0.63
	00064-17-5: ETHANOL	9.09	24.1	---	29387.2	88200	45,000
	00064-19-7: ACETIC ACID	0.03	0.04	3,700	185.4475	389.8	60
	00067-56-1: METHANOL	0.37	0.40	33,000	1487.9	1694	4,000
	00067-63-0: ISOPROPYL ALCOHOL	5.67	14	98,000	14400	23328	7,000
	00067-64-1: ACETONE	1.29	2.10	180,000	525.6	612	30,000
	00071-36-3: BUTYL ALCOHOL, N-	1.09	1.16	---	3987.5	4348	1,500
	00071-55-6: METHYL CHLOROFORM	0.25	0.25	9,000	586.1	728.8	5,000
	00074-82-8: METHANE	4.00E-03	4.00E-03	---	2.97	2.97	1,600
	00075-09-2: DICHLOROMETHANE	1.66	3.33	14,000	1447.05	2497	46
	00078-93-3: METHYL ETHYL KETONE	5.27	6.48	13,000	1916	1944	5,000
	00084-74-2: DIBUTYL PHALATE	0.01	0.01	---	52	52	12
	00093-43-6: LACTOL	1.20	1.26	---	3304.8	3464	---
	00100-41-4: ETHYL BENZENE	0.01	0.01	---	27.2	28	1,000
	00107-21-1: ETHYLENE GLYCOL	0.11	0.17	1,000	239.2	340	400
	00108-05-4: VINYL ACETATE	1.00E-03	1.00E-03	5,300	6.00	6.00	200
	00108-10-1: METHYL ISOBUTYL KETONE	1.00E-03	1.00E-03	31,000	4.00	4.00	3,000
	00108-21-4: ISOPROPYL ACETATE	0.07	0.07	62,700	112.15	117	995
	00108-88-3: TOLUENE	0.61	0.70	37,000	204.7	218	5,000
	00108-94-1: CYCLOHEXONE	0.80	0.80	20,000	1283	1283	190
	00110-54-3: HEXANE	0.09	0.10	---	34.05	39.9	700
	00111-76-2: ETHYLENGLYCOLMONBUTY	0.65	0.96	4,700	736	1920	1,600
	00112-34-5: BUTYL CARBITOL	0.18	0.23	370	350.575	384	200
	00115-07-1: PROPYLENE	0.40	0.40	---	890	890	3,000
	00117-81-7: DIOCTYL PHTHALATE	0.07	0.07	---	112	112	0.42
	00123-31-9: HYDROQUINONE	0.07	0.08	---	407.68	560	2.40
	00123-86-4: BUTYL ACETATE	0.21	0.22	71,300	345.9	347	565
	00124-38-9: CARBON DIOXIDE	142.2	142.2	---	62568	62568	21,000
	00127-18-4: TETRACHLOROETHYLENE	1.18	1.24	300	2152.7605	2266	3.80
	00141-43-5: MONOETHANOLAMINE	0.40	0.40	1,500	1.90	1.90	18
	00141-78-6: ETHYL ACETATE	6.20	7.88	---	2746.5	3134	3,400
	00142-82-5: N-HEPTANE	2.31	2.34	210,000	7509.6	8240	3,900
	00630-08-0: CARBON MONOXIDE	0.47	0.87	40,000	1690.8	3915	---
	01310-73-2: SODIUM HYDROXIDE	1.00E-03	1.00E-03	200	4.00	4.00	---
	01313-99-1: NICKEL OXIDE	1.00E-03	1.00E-03	0.20	0.80	0.80	5.30E-03
	01314-13-2: ZINC OXIDE	6.00E-03	6.00E-03	380	4.80	4.80	4.80
	01330-20-7: XYLENE,M,O&P MIXT.	0.07	0.07	22,000	111.3	112	100
	01333-86-4: CARBON BLACK	4.40E-03	5.00E-03	---	34.1108	40	7.00
	01335-25-7: LEAD OXIDE	1.95E-03	2.00E-03	---	3.05	3.20	0.04
	02807-30-9: ETHYLENEGLYCOL MONOPROPYL ETHER	0.18	0.18	370	769.17	900	200
	07439-92-1: LEAD	1.00E-03	1.00E-03	---	1.79	1.80	0.04
	07446-09-5: SULFUR DIOXIDE	0.33	0.52	196	721.55	1170.2	80
	07664-38-2: PHOSPHORIC ACID	1.90E-03	2.00E-03	300	4.08	4.08	10
	07664-39-3: HYDROGEN FLUORIDE	0.00E+00	0.00E+00	5.60	0.01	0.01	0.07
	07664-93-9: SULFURIC ACID	4.00E-03	4.00E-03	120	33.455	38.3	1.00
	07697-37-2: NITRIC ACID	0.02	0.02	86	8.36	8.36	12
	07732-18-5: WATER MIST	60.525	74.1	---	21570	22160	---
	08002-05-9: PETROLEUM DISTILLATES	0.27	0.27	---	1278	1278	---
08030-30-6: NAPHTHA	0.24	0.25	---	37.15	39	900	
08032-32-4: LIGROINE	15.501	18	---	4052.2	4690	900	
10102-43-9: NITROGEN OXIDE	0.38	0.41	---	540.2	572	74	
10102-44-0: NITROGEN DIOXIDE	4.00E-03	4.00E-03	188	6.10	6.10	100	
68476-39-1: HYDROCARBON MISC.	2.83	3.09	---	6224.9	6789.2	---	
68476-44-8: HYDROCARBONS	0.04	0.04	---	45.6	46	---	
68527-16-2: HYDROCARBONS C1-3	0.33	0.36	---	1037.801	1152	---	
NY075-00-0: PARTICULATES	3.35	8.70	150	3099	52200	---	
NY090-00-0: OIL MIST	0.05	0.05	---	119.765	129.5	---	
NY103-00-0: ACID MIST NEC	1.00E-03	1.00E-03	---	1.60	1.60	---	
NY210-00-0: OXIDES OF NITROGEN	0.31	0.62	---	2027.88	3240	---	
NY439-00-0: TOTAL AROMATIC HYDRO	0.90	1.00	---	721.6	960	---	
NY495-00-0: TOTAL HYDROCARBONS	18.269	20.54	---	16822.1	19526	---	
NY550-00-0: ALIPHATIC HYDROCARB	1.08	4.82	---	2330.8	3200	---	
NY559-00-0: TOTAL ALIPHATIC HYD	1.14	1.20	---	4136	5760	---	
NY599-00-0: TOTAL ALIPHATIC ALC	5.96	5.96	---	22352	22352	---	
NY909-00-0: TOTAL ORGANICS	0.78	0.78	---	3.39	3.50	---	
NY998-00-0: TOTAL ORGANIC SOLVE	5.92	6.30	---	7230.4	13360	---	

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Use Group Lookup	CAS No: Pollutant	Emissions (ST)		SGC	Emissions (AN)		AGC
		(lb/hr)			(lb/yr)		
		95th Percentile	Max		95th Percentile	Max	
Chemical Manufacturing (325)	00064-17-5: ETHANOL	1.00E-03	1.00E-03	---	1.50	1.50	45,000
	00067-64-1: ACETONE	1.00E-03	1.00E-03	180,000	1.60	1.60	30,000
	00151-50-8: POTASSIUM CYANIDE	1.00E-03	1.00E-03	380	1.60	1.60	3.50
	00557-05-1: ZINC STEARATE	1.00E-03	1.00E-03	---	1.20	1.20	7.10
	00630-08-0: CARBON MONOXIDE	2.00E-03	2.00E-03	40,000	3.20	3.20	---
	01306-19-0: CADMIUM OXIDE	0.04	0.04	---	0.13	0.13	2.70E-04
	01310-73-2: SODIUM HYDROXIDE	1.00E-03	1.00E-03	200	2.00	2.00	---
	07428-48-0: LEAD STEARATE	1.00E-03	1.00E-03	---	0.60	0.60	0.09
	07446-09-5: SULFUR DIOXIDE	4.80E-03	5.00E-03	196	9.58	10	80
	07647-01-0: HYDROGEN CHLORIDE	0.01	0.01	2,100	0.64	0.64	20
	07664-41-7: AMMONIA	1.00E-03	1.00E-03	2,400	1.60	1.60	500
	NY104-00-0: BASIC MIST NEC	6.00E-03	6.00E-03	---	2.90	2.90	---
	NY210-00-0: OXIDES OF NITROGEN	9.55E-03	0.01	---	15.3	16	---
	NY439-00-0: TOTAL AROMATIC HYDRO	1.00E-03	1.00E-03	---	0.80	0.80	---
	NY550-00-0: ALIPHATIC HYDROCARB	6.83	6.83	---	109	109	---
Nonmetallic Mineral Product Manufacturing (327)	00057-12-5: CYANIDES	4.00E-03	4.00E-03	380	3.60	3.60	3.50
	00067-63-0: ISOPROPYL ALCOHOL	1.03	1.05	98,000	1397.6	1447	7,000
	00067-64-1: ACETONE	0.93	0.98	180,000	1161.5	1225	30,000
	00078-83-1: ISOBUTYL ALCOHOL	3.72	4.32	---	5881.2	6912	360
	00078-93-3: METHYL ETHYL KETONE	0.70	0.70	13,000	917.73	966	5,000
	00100-42-5: STYRENE	1.25	1.31	17,000	2480.5425	2609.75	1,000
	00108-88-3: TOLUENE	3.94	4.32	37,000	4714.5	5000	5,000
	00110-19-0: ISOBUTYL ACETATE	0.24	0.24	71,300	224	224	565
	00123-86-4: BUTYL ACETATE	0.95	0.98	71,300	1191.4	1225	565
	00124-38-9: CARBON DIOXIDE	1.00	1.00	---	8760	8760	21,000
	00630-08-0: CARBON MONOXIDE	0.76	0.89	40,000	1543.4575	1811.2	---
	01314-13-2: ZINC OXIDE	0.10	0.10	380	80	80	4.80
	07446-09-5: SULFUR DIOXIDE	0.15	0.15	196	284.7	294	80
	07664-41-7: AMMONIA	3.83	4.00	2,400	6123.2	6400	500
	07732-18-5: WATER MIST	2.43	2.50	---	8427.95	8861	---
	08032-32-4: LIGROINE	0.03	0.03	---	161.95	162	900
	10102-43-9: NITROGEN OXIDE	0.02	0.02	---	10.5	10.5	74
	68527-16-2: HYDROCARBONS C1-3	2.00E-03	2.00E-03	---	1.05	1.05	---
	NY075-00-0: PARTICULATES	2.88	10.88	150	8007.6	9792	---
	NY210-00-0: OXIDES OF NITROGEN	7.07	7.65	---	6572.912	6885	---
	NY559-00-0: TOTAL ALIPHATIC HYD	1.40	1.40	---	1529	1529	---
	NY909-00-0: TOTAL ORGANICS	0.02	0.02	---	40	40	---
Machinery Manufacturing (333)	00064-17-5: ETHANOL	0.31	0.33	---	1881.3	1980	45,000
	00067-56-1: METHANOL	0.02	0.02	33,000	120	120	4,000
	00067-63-0: ISOPROPYL ALCOHOL	0.16	0.16	98,000	119.58	124	7,000
	00067-64-1: ACETONE	0.59	0.60	180,000	936	960	30,000
	00071-36-3: BUTYL ALCOHOL, N-	0.10	0.10	---	67.2	67.2	1,500
	00074-82-8: METHANE	6.00E-03	6.00E-03	---	19	19	1,600
	00078-83-1: ISOBUTYL ALCOHOL	0.24	0.24	---	288	288	360
	00078-93-3: METHYL ETHYL KETONE	0.14	0.14	13,000	29.7	29.7	5,000
	00108-88-3: TOLUENE	3.71	4.38	37,000	1468.8	1728	5,000
	00109-86-4: METHYL CELLOSOLVE	3.00E-03	3.00E-03	93	1.10	1.10	20
	00110-80-5: GLYCOL MONOETHYLETHER	5.00E-03	5.00E-03	370	1.80	1.80	200
	00123-86-4: BUTYL ACETATE	1.00E-03	1.00E-03	71,300	4.00	4.00	565
	00124-38-9: CARBON DIOXIDE	9.50E-04	1.00E-03	---	16.2495	17.01	21,000
	00141-78-6: ETHYL ACETATE	0.02	0.02	---	120	120	3,400
	00630-08-0: CARBON MONOXIDE	0.03	0.03	40,000	96	96	---
	01309-37-1: IRON OXIDE	0.02	0.02	---	26.4	26.4	12
	01314-13-2: ZINC OXIDE	0.05	0.05	380	152.096	160	4.80
	01330-20-7: XYLENE,M,O&P MIXT.	0.36	0.38	22,000	148.65	165	100
	01335-25-7: LEAD OXIDE	1.00E-03	1.00E-03	---	1.60	1.60	0.04
	07439-92-1: LEAD	1.00E-03	1.00E-03	---	0.19	0.20	0.04
	07440-31-5: TIN	1.00E-03	1.00E-03	20	0.19	0.20	0.24
	07440-66-6: ZINC	0.01	0.01	---	6.60	6.60	45
	07446-09-5: SULFUR DIOXIDE	9.50E-04	1.00E-03	196	3.05	3.20	80
	07664-41-7: AMMONIA	0.20	0.20	2,400	80	80	500
	07732-18-5: WATER MIST	1.00E-03	1.00E-03	---	0.81	0.81	---
	08030-30-6: NAPHTHA	0.65	0.65	---	142.3	142.3	900
	10102-43-9: NITROGEN OXIDE	1.00E-03	1.00E-03	---	3.07	3.07	74
	NY075-00-0: PARTICULATES	0.15	0.25	150	147.5	180	---
	NY090-00-0: OIL MIST	0.10	0.10	---	152.026	160	---
	NY210-00-0: OXIDES OF NITROGEN	0.33	0.33	---	1056	1056	---
	NY495-00-0: TOTAL HYDROCARBONS	1.00E-03	1.00E-03	---	0.02	0.02	---
	NY559-00-0: TOTAL ALIPHATIC HYD	0.08	0.08	---	128	128	---
	NY909-00-0: TOTAL ORGANICS	0.23	0.23	---	1350	1350	---
	NY950-00-0: NON-SPECIFIC ODOROUS	0.06	0.06	---	124	124	---
	NY990-00-0: MISCELLANEOUS ORG	0.84	0.84	---	168	168	---
	NY998-00-0: TOTAL ORGANIC SOLVE	1.00E-03	1.00E-03	---	4.00	4.00	---

Kingsbridge Armory

Table E-1

Industrial Source Analysis Emissions Profile

Use Group Lookup	CAS No: Pollutant	Emissions (ST)		SGC	Emissions (AN)		AGC
		(lb/hr)			(lb/yr)		
		95th Percentile	Max		95th Percentile	Max	
Furniture and Related Product Manufacturing (337)	00067-56-1: METHANOL	0.39	0.39	33,000	312	312	4,000
	00067-63-0: ISOPROPYL ALCOHOL	0.96	0.96	98,000	1200	1200	7,000
	00067-64-1: ACETONE	0.98	0.98	180,000	1225	1225	30,000
	00071-36-3: BUTYL ALCOHOL, N-	0.66	0.66	---	1056	1056	1,500
	00078-93-3: METHYL ETHYL KETONE	2.00	2.01	13,000	3168.95	3216	5,000
	00100-41-4: ETHYL BENZENE	0.11	0.11	---	84	84	1,000
	00108-10-1: METHYL ISOBUTYL KETONE	2.10	2.10	31,000	3360	3360	3,000
	00108-88-3: TOLUENE	10.764	12.96	37,000	17098.8	20736	5,000
	00123-86-4: BUTYL ACETATE	1.48	1.57	71,300	1900.75	2020	565
	01330-20-7: XYLENE,M,O&P MIXT.	3.49	3.66	22,000	3490.2	3660	100
	08032-32-4: LIGROINE	0.11	0.11	---	84	84	900
	64742-89-8: NAPHTHA LIGHT ALIPHATIC	0.22	0.22	---	176	176	3,200
	NY075-00-0: PARTICULATES	0.31	0.33	150	307.25	384	---
	NY990-00-0: MISCELLANEOUS ORG	1.13	1.13	---	1695	1695	---
Miscellaneous Manufacturing (339)	00056-81-5: GLYCERIN	0.01	0.01	---	21.1	21.1	240
	00064-17-5: ETHANOL	0.35	0.40	---	303	360	45,000
	00067-56-1: METHANOL	1.00E-03	1.00E-03	33,000	0.50	0.50	4,000
	00067-63-0: ISOPROPYL ALCOHOL	1.06	1.14	98,000	1989.24	2183.6	7,000
	00067-64-1: ACETONE	0.59	0.59	180,000	439	439	30,000
	00071-36-3: BUTYL ALCOHOL, N-	0.47	0.50	---	808.8	880	1,500
	00074-82-8: METHANE	0.01	0.01	---	17.7	17.7	1,600
	00074-90-8: HYDROGEN CYANIDE	0.13	0.25	340	1.38	2.00	0.80
	00078-83-1: ISOBUTYL ALCOHOL	6.05	6.48	---	8726.4	10368	360
	00078-93-3: METHYL ETHYL KETONE	1.28	1.35	13,000	1970	2160	5,000
	00093-43-6: LACTOL	0.10	0.10	---	145.6	145.6	---
	00108-10-1: METHYL ISOBUTYL KETONE	1.36	1.36	31,000	1020	1020	3,000
	00108-88-3: TOLUENE	2.16	2.16	37,000	1296	1296	5,000
	00110-19-0: ISOBUTYL ACETATE	1.00E-03	1.00E-03	71,300	1.40	1.40	565
	00111-15-9: CELLOSOLVE ACETATE	1.00E-03	1.00E-03	140	1.40	1.40	64
	00117-81-7: DIOCTYL PHTHALATE	0.13	0.14	---	53.275	56	0.42
	00123-86-4: BUTYL ACETATE	0.51	0.51	71,300	408	408	565
	00141-43-5: MONOETHANOLAMINE	1.00E-03	1.00E-03	1,500	2.00	2.00	18
	00141-78-6: ETHYL ACETATE	0.98	1.03	---	1717.625	1808	3,400
	00143-33-9: SODIUM CYANIDE	3.35E-03	5.00E-03	380	2.45	3.00	3.50
	00544-92-3: COPPER CYANIDE	1.00E-03	1.00E-03	380	2.00	2.00	3.50
	00630-08-0: CARBON MONOXIDE	0.10	0.16	40,000	148.8	259.9	---
	01309-60-0: LEAD OXIDE	1.00E-03	1.00E-03	---	4.00E-03	4.00E-03	0.04
	01310-73-2: SODIUM HYDROXIDE	0.20	2.00	200	2.12	3.20	---
	01330-20-7: XYLENE,M,O&P MIXT.	1.02	1.08	22,000	1633.2	1728	100
	01333-74-0: HYDROGEN	1.95E-03	2.00E-03	---	3.88	4.00	---
	07439-92-1: LEAD	1.00E-03	1.00E-03	---	0.13	0.13	0.04
	07440-31-5: TIN	1.00E-03	1.00E-03	20	1.81	2.00	0.24
	07440-36-0: ANTIMONY	1.00E-03	1.00E-03	---	1.90	2.00	1.20
	07440-44-0: CARBON	1.00E-03	1.00E-03	---	1.60	1.60	---
	07446-09-5: SULFUR DIOXIDE	3.90E-03	0.01	196	6.24	19.22	80
	07647-01-0: HYDROGEN CHLORIDE	0.33	0.42	2,100	200.4	383	20
	07664-39-3: HYDROGEN FLUORIDE	1.00E-03	1.00E-03	5.60	0.50	0.50	0.07
	07664-41-7: AMMONIA	1.61	4.00	2,400	17.6	20	500
	07664-93-9: SULFURIC ACID	1.85E-03	2.00E-03	120	3.02	3.20	1.00
	07697-37-2: NITRIC ACID	0.22	0.26	86	148.2	156	12
	07732-18-5: WATER MIST	0.90	1.00	---	2163.8	2400	---
	07782-50-5: CHLORINE	1.00E-03	1.00E-03	116	0.40	0.40	0.20
	08012-95-1: OIL MIST (MINERAL)	2.00E-03	2.00E-03	---	4.00	4.00	---
	08030-30-6: NAPHTHA	1.12	1.12	---	1566.6	1566.6	900
	08032-32-4: LIGROINE	0.60	0.60	---	960	960	900
	09004-70-0: CELLULOSE NITRATE	0.01	0.01	---	8.59	9.00	---
	10102-43-9: NITROGEN OXIDE	0.04	0.04	---	66.756	68	74
	64742-65-0: DISTILLATE HEAVY PARAFINIC	1.00E-03	1.00E-03	---	0.80	0.80	3,200
	68476-44-8: HYDROCARBONS	1.12	1.24	---	177.53	197	---
	68527-16-2: HYDROCARBONS C1-3	14.3184	285	---	128.25	285	---
	NY075-00-0: PARTICULATES	0.36	11.412	150	482.7625	1120.4	---
	NY103-00-0: ACID MIST NEC	0.04	0.05	---	56.74	66.4	---
	NY104-00-0: BASIC MIST NEC	1.00E-03	1.00E-03	---	2.00	2.00	---
	NY105-00-0: LIQUID MIST NEC	0.05	0.06	---	87.2	96	---
	NY210-00-0: OXIDES OF NITROGEN	0.49	1.35	---	684	2165	---
	NY439-00-0: TOTAL AROMATIC HYDRO	0.40	0.50	---	36.48	45	---
	NY495-00-0: TOTAL HYDROCARBONS	10.826	11.345	---	179.564	195.655	---
	NY920-00-0: PAINT THINNER	0.27	0.27	---	432	432	---

Industrial Source Dispersion Results

Kingsbridge Armory

Table E-2

Industrial Source Analysis Screening Concentrations

Use Group Lookup	Restriction	CAS No: Pollutant	Short Term Screening Results			Annual Screening Results		
			Screening Impact (µg/m³)	SGC	Maximum Allowable Emission Rate Restriction (lb/hr)	Screening Impact (µg/m³)	AGC	Maximum Allowable Emission Rate Restriction (lb/yr)
Use Group VI								
Educational Services (611)		00124-38-9: CARBON DIOXIDE	0.47	----		3.29E-03	21,000	
		00630-08-0: CARBON MONOXIDE	0.47	40,000		3.29E-03	----	
		NY075-00-0: PARTICULATES	55	150		4.94	----	
Use Group VIII								
Art Galleries and Studios		00064-17-5: ETHANOL	23.64721431	----		0.21	45000	
		00067-63-0: ISOPROPYL ALCOHOL	2336.392068	98,000		0.02	7000	
		00078-93-3: METHYL ETHYL KETONE	0.95	13,000		5.07E-03	5000	
		00108-88-3: TOLUENE	269.672832	37,000		0.60	5000	
		00127-18-4: TETRACHLOROETHYLENE	23.64721431	300		0.21	3.80	
		07439-92-1: LEAD	0.69	----		5.25E-03	0.04	
		07440-31-5: TIN	0.24	20		1.32E-06	0.24	
		07440-36-0: ANTIMONY	0.24	----		1.32E-06	1.20	
		07647-01-0: HYDROGEN CHLORIDE	0.95	2,100		2.11E-04	20	
		07664-41-7: AMMONIA	23.64721431	2,400		1.32E-03	500	
		NY075-00-0: PARTICULATES	0.17	150		0.01	----	

Industrial Source Analysis Screening Concentrations

Use Group Lookup	Restriction	CAS No: Pollutant	Short Term Screening Results			Annual Screening Results		
			Screening Impact (µg/m³)	SGC	Maximum Allowable Emission Rate Restriction (lb/hr)	Screening Impact (µg/m³)	AGC	Maximum Allowable Emission Rate Restriction (lb/yr)
Use Group X								
Beverage and Tobacco Product Manufacturing (312)		01335-25-7: LEAD OXIDE NY075-00-0: PARTICULATES NY909-00-0: TOTAL ORGANICS NY930-00-0: ORGANIC SOLVENTS	2.36 3.81 740 740	---- 150 ---- ----	 	1.32E-05 0.52 7.91 7.91	0.04 ---- ---- ----	
Textile mills (313)		00078-59-1: ISOPHORONE 00108-10-1: METHYL ISOBUTYL KETONE 00110-82-7: CYCLOHEXANE 00630-08-0: CARBON MONOXIDE 07446-09-5: SULFUR DIOXIDE NY075-00-0: PARTICULATES	29.79549003 33.10610003 167.1858052 30.22113989 1.11 23	2,800 31,000 ---- 40,000 196 150	 	0.35 0.38 1.94 0.36 0.01 3.44	---- 3000 6000 ---- 80 ----	
Textile product mills (314)		00100-51-6: BENZYL ALCOHOL 00108-94-1: CYCLOHEXONE 00112-07-2: BUTOXYETHYL ACETATE 00123-42-2: DIACETONE ALCOHOL 64742-95-6: NAPHTHA LIGHT AROMATIC NY075-00-0: PARTICULATES	15 5.68 1.42 0.95 8.99 3.11	1,300 20,000 ---- ---- ---- 150	 	0.07 0.02 6.21E-03 3.79E-03 0.04 0.45	350 190 310 570 100 ----	
Apparel Manufacturing (315)		00064-19-7: ACETIC ACID 00074-82-8: METHANE 00092-52-4: BIPHENYL 00095-50-1: DICHLOROBENZINE, ortho 00106-46-7: 1,4-DICHLOROBENZENE(P) 00108-88-3: TOLUENE 00111-76-2: ETHYLENGLYCOLMONBUTY 00120-82-1: TRICHLORO BENZENE 00630-08-0: CARBON MONOXIDE 07446-09-5: SULFUR DIOXIDE 07664-41-7: AMMONIA 10102-43-9: NITROGEN OXIDE 10102-44-0: NITROGEN DIOXIDE NY075-00-0: PARTICULATES	40 96 13 7.09 6.62 76 10 39 17 62 12 114 14 1.37	3,700 ---- ---- 30,000 ---- 37,000 4,700 3,700 40,000 196 2,400 ---- 188 150	 <			

Table E-2

Industrial Source Analysis Screening Concentrations

Use Group Lookup	Restriction	CAS No: Pollutant	Short Term Screening Results			Annual Screening Results		
			Screening Impact (µg/m³)	SGC	Maximum Allowable Emission Rate Restriction (lb/hr)	Screening Impact (µg/m³)	AGC	Maximum Allowable Emission Rate Restriction (lb/yr)
Wood Product Manufacturing (321)	Annual Emission Restriction	00050-00-0: FORMADEHYDE	1.09	30		9.69E-03	0.06	
00064-17-5: ETHANOL		328	----		0.84	45,000		
00064-19-7: ACETIC ACID		7.54	3,700		0.23	60		
00067-56-1: METHANOL		64	33,000		0.44	4,000		
00067-63-0: ISOPROPYL ALCOHOL		455	98,000		2.77	7,000		
00067-64-1: ACETONE		308	180,000		2.44	30,000		
00071-36-3: BUTYL ALCOHOL, N-		511	----		2.09	1,500		
00071-55-6: METHYL CHLOROFORM		28	9,000		0.13	5,000		
00075-05-8: ACETONITRILE		322	----		3.95E-03	60		
00078-83-1: ISOBUTYL ALCOHOL		1,022	----		9.10	360		
00078-93-3: METHYL ETHYL KETONE		407	13,000		3.62	5,000		
00084-74-2: DIBUTYL PHALATE		5.21	----		0.04	12		
00085-68-7: BUTYL BENZYL PHTHALA		3.16	----		0.01	0.42		
00100-41-4: ETHYL BENZENE		14	----		0.03	1,000		
00100-42-5: STYRENE		709	17,000		4.94	1,000		
00107-98-2: PROPYLENE GLYCOL METHYL ET		17	36,850		0.66	2,000		
00108-10-1: METHYL ISOBUTYL KETONE		355	31,000		2.98	3,000		
00108-21-4: ISOPROPYL ACETATE		1,362	62,700		15	995		
00108-88-3: TOLUENE		1,131	37,000		9.10	5,000		
00108-94-1: CYCLOHEXONE		666	20,000		7.12	190		
00110-19-0: ISOBUTYL ACETATE		457	71,300		2.09	565		
00110-54-3: HEXANE		470	----		1.34	700		
00110-80-5: GLYCOL MONOETHYLEETHER		13	370		0.14	200		
00111-15-9: CELLOSOLVE ACETATE		17	140		0.03	64		
00111-76-2: ETHYLENGLYCOLMONBUTY		60	4,700		0.29	1,600		
00112-07-2: BUTOXYETHYL ACETATE		0.24	----		5.51E-03	310		
00117-81-7: DIOCTYL PHTHALATE		75	----		0.52	0.42		
00123-86-4: BUTYL ACETATE		709	71,300		2.63	565		
00124-38-9: CARBON DIOXIDE		5,789	----		0.07	21,000		
00141-78-6: ETHYL ACETATE		2,468	----		3.03	3,400		
00628-63-7: AMYL ACETATE, N-		2.60	53,000		0.11	630		
00630-08-0: CARBON MONOXIDE		329	40,000		0.94	----		
01310-73-2: SODIUM HYDROXIDE		0.24	200		2.11E-03	----		
01330-20-7: XYLENE,M,O&P MIXT.		763	22,000		6.12	100		
01332-58-7: KAOLIN (CLAY)		1.89	----		0.08	4.80		
07446-09-5: SULFUR DIOXIDE		0.24	196		2.02E-03	80		
07727-43-7: BARIUM SULFATE		1.18	----		6.58E-03	12		
08030-30-6: NAPHTHA		609	----		3.19	900		
08032-32-4: LIGROINE		7.09	----		0.06	900		
10102-43-9: NITROGEN OXIDE		5.68	----		0.07	74		
10102-44-0: NITROGEN DIOXIDE	40	188		1.28	100			
13463-67-7: TITANIUM DIOXIDE	4.97	----		0.20	24			
14807-96-6: TALC	1.89	----		0.08	4.80			
34590-94-8: DIPROPYLENE GLYCOL METHYL ETHER	6.62	91,000		9.22E-03	1,400			
64742-89-8: NAPHTHA LIGHT ALIPHATIC	885	----		9.84	3,200			
64742-95-6: NAPHTHA LIGHT AROMATIC	151	----		1.69	100			
NY075-00-0: PARTICULATES	18	150		1.13	----			

Kingsbridge Armory

Table E-2

Industrial Source Analysis Screening Concentrations

Use Group Lookup	Restriction	CAS No: Pollutant	Short Term Screening Results			Annual Screening Results		
			Screening Impact ($\mu\text{g}/\text{m}^3$)	SGC	Maximum Allowable Emission Rate Restriction (lb/hr)	Screening Impact ($\mu\text{g}/\text{m}^3$)	AGC	Maximum Allowable Emission Rate Restriction (lb/yr)
Printing and Related Support Activities (323)	Short-Term Emission Restriction	00050-00-0: FORMADEHYDE	0.47	30		1.97E-05	0.06	
		00056-81-5: GLYCERIN	3.62	----		0.04	240	
		00062-53-3: ANILINE	0.24	----		3.95E-05	0.63	
		00064-17-5: ETHANOL	2,150	----		39	45,000	
		00064-19-7: ACETIC ACID	7.77	3,700		0.24	60	
		00067-56-1: METHANOL	87	33,000		1.96	4,000	
		00067-63-0: ISOPROPYL ALCOHOL	1,341	98,000		19	7,000	
		00067-64-1: ACETONE	304	180,000		0.69	30,000	
		00071-36-3: BUTYL ALCOHOL, N-	257	----		5.25	1,500	
		00071-55-6: METHYL CHLOROFORM	59	9,000		0.77	5,000	
		00074-82-8: METHANE	0.95	----		3.91E-03	1,600	
		00075-09-2: DICHLOROMETHANE	393	14,000		1.91	46	
		00078-93-3: METHYL ETHYL KETONE	1,247	13,000		2.52	5,000	
		00084-74-2: DIBUTYL PHALATE	3.07	----		0.07	12	
		00100-41-4: ETHYL BENZENE	2.84	----		0.04	1,000	
		00107-21-1: ETHYLENE GLYCOL	27	1,000		0.31	400	
		00108-05-4: VINYL ACETATE	0.24	5,300		7.90E-03	200	
		00108-10-1: METHYL ISOBUTYL KETONE	0.24	31,000		5.27E-03	3,000	
		00108-21-4: ISOPROPYL ACETATE	16	62,700		0.15	995	
		00108-88-3: TOLUENE	145	37,000		0.27	5,000	
		00108-94-1: CYCLOHEXONE	189	20,000		1.69	190	
		00110-54-3: HEXANE	20	----		0.04	700	
		00111-76-2: ETHYLENGLYCOLMONBUTY	153	4,700		0.97	1,600	
		00112-34-5: BUTYL CARBITOL	42	370		0.46	200	
		00115-07-1: PROPYLENE	95	----		1.17	3,000	
		00117-81-7: DIOCTYL PHTHALATE	17	----		0.15	0.42	
		00123-31-9: HYDROQUINONE	17	----		0.54	2.40	
		00123-86-4: BUTYL ACETATE	50	71,300		0.46	565	
		00124-38-9: CARBON DIOXIDE	33,626	----		82	21,000	
		00127-18-4: TETRACHLOROETHYLENE	279	300		2.83	3.80	
		00141-43-5: MONOETHANOLAMINE	95	1,500		2.50E-03	18	
		00141-78-6: ETHYL ACETATE	1,465	----		3.62	3,400	
		00142-82-5: N-HEPTANE	545	210,000		9.89	3,900	
		00630-08-0: CARBON MONOXIDE	111	40,000		2.23	----	
		01310-73-2: SODIUM HYDROXIDE	0.24	200		5.27E-03	----	
		01313-99-1: NICKEL OXIDE	0.24	0.20	8.46E-04	1.05E-03	5.30E-03	
		01314-13-2: ZINC OXIDE	1.42	380		6.32E-03	4.80	
		01330-20-7: XYLENE,M,O&P MIXT.	16	22,000		0.15	100	
		01333-86-4: CARBON BLACK	1.04	----		0.04	7.00	
		01335-25-7: LEAD OXIDE	0.46	----		4.01E-03	0.04	
		02807-30-9: ETHYLENEGLYCOL MONOPROPYL ETHER	42	370		1.01	200	
		07439-92-1: LEAD	0.24	----		2.35E-03	0.04	
		07446-09-5: SULFUR DIOXIDE	77	196		0.95	80	
		07664-38-2: PHOSPHORIC ACID	0.45	300		5.37E-03	10	
		07664-39-3: HYDROGEN FLUORIDE	0.00E+00	5.60		1.32E-05	0.07	
		07664-41-7: AMMONIA	493	2,400		6.70	500	
		07664-93-9: SULFURIC ACID	0.95	120		0.04	1.00	
		07697-37-2: NITRIC ACID	4.49	86		0.01	12	
		08030-30-6: NAPHTHA	56	----		0.05	900	
		08032-32-4: LIGROINE	3,666	----		5.33	900	
		10102-43-9: NITROGEN OXIDE	90	----		0.71	74	
		10102-44-0: NITROGEN DIOXIDE	0.95	188		8.03E-03	100	
		NY075-00-0: PARTICULATES	61	150		4.08	----	
		NY909-00-0: TOTAL ORGANICS	184	----		4.47E-03	----	

Kingsbridge Armory

Table E-2

Industrial Source Analysis Screening Concentrations

Use Group Lookup	Restriction	CAS No: Pollutant	Short Term Screening Results			Annual Screening Results		
			Screening Impact ($\mu\text{g}/\text{m}^3$)	SGC	Maximum Allowable Emission Rate Restriction (lb/hr)	Screening Impact ($\mu\text{g}/\text{m}^3$)	AGC	Maximum Allowable Emission Rate Restriction (lb/yr)
Chemical Manufacturing (325)		00064-17-5: ETHANOL	0.24	----		1.97E-03	45,000	
		00067-64-1: ACETONE	0.24	180,000		2.11E-03	30,000	
		00151-50-8: POTASSIUM CYANIDE	0.24	380		2.11E-03	3.50	
		00557-05-1: ZINC STEARATE	0.24	----		1.58E-03	7.10	
		00630-08-0: CARBON MONOXIDE	0.47	40,000		4.21E-03	----	
		01306-19-0: CADMIUM OXIDE	9.93	----		1.67E-04	2.70E-04	
		01310-73-2: SODIUM HYDROXIDE	0.24	200		2.63E-03	----	
		07428-48-0: LEAD STEARATE	0.24	----		7.90E-04	0.09	
		07446-09-5: SULFUR DIOXIDE	1.14	196		0.01	80	
		07647-01-0: HYDROGEN CHLORIDE	2.36	2,100		8.43E-04	20	
		07664-41-7: AMMONIA	0.24	2,400		2.11E-03	500	
		07664-93-9: SULFURIC ACID	0.71	120		3.95E-06	1.00	
		07697-37-2: NITRIC ACID	0.24	86		2.63E-03	12	
		NY075-00-0: PARTICULATES	5.49	150		1.25	----	
Nonmetallic Mineral Product Manufacturing (327)		00057-12-5: CYANIDES	0.95	380		4.74E-03	3.50	
		00067-63-0: ISOPROPYL ALCOHOL	244	98,000		1.84	7,000	
		00067-64-1: ACETONE	220	180,000		1.53	30,000	
		00078-83-1: ISOBUTYL ALCOHOL	879	----		7.74	360	
		00078-93-3: METHYL ETHYL KETONE	164	13,000		1.21	5,000	
		00100-42-5: STYRENE	295	17,000		3.27	1,000	
		00108-88-3: TOLUENE	932	37,000		6.21	5,000	
		00110-19-0: ISOBUTYL ACETATE	57	71,300		0.29	565	
		00123-86-4: BUTYL ACETATE	224	71,300		1.57	565	
		00124-38-9: CARBON DIOXIDE	236	----		12	21,000	
		00630-08-0: CARBON MONOXIDE	180	40,000		2.03	----	
		01314-13-2: ZINC OXIDE	24	380		0.11	4.80	
		07446-09-5: SULFUR DIOXIDE	35	196		0.37	80	
		07664-41-7: AMMONIA	905	2,400		8.06	500	
		08032-32-4: LIGROINE	7.04	----		0.21	900	
		10102-43-9: NITROGEN OXIDE	4.73	----		0.01	74	
		NY075-00-0: PARTICULATES	53	150		11	----	

Kingsbridge Armory

Table E-2

Industrial Source Analysis Screening Concentrations

Use Group Lookup	Restriction	CAS No: Pollutant	Short Term Screening Results			Annual Screening Results		
			Screening Impact ($\mu\text{g}/\text{m}^3$)	SGC	Maximum Allowable Emission Rate Restriction (lb/hr)	Screening Impact ($\mu\text{g}/\text{m}^3$)	AGC	Maximum Allowable Emission Rate Restriction (lb/yr)
Machinery Manufacturing (333)		00064-17-5: ETHANOL	74	----		2.48	45,000	
		00067-56-1: METHANOL	4.73	33,000		0.16	4,000	
		00067-63-0: ISOPROPYL ALCOHOL	37	98,000		0.16	7,000	
		00067-64-1: ACETONE	138	180,000		1.23	30,000	
		00071-36-3: BUTYL ALCOHOL, N-	23	----		0.09	1,500	
		00074-82-8: METHANE	1.42	----		0.03	1,600	
		00078-83-1: ISOBUTYL ALCOHOL	57	----		0.38	360	
		00078-93-3: METHYL ETHYL KETONE	32	13,000		0.04	5,000	
		00108-88-3: TOLUENE	878	37,000		1.93	5,000	
		00109-86-4: METHYL CELLOSOLVE	0.71	93		1.45E-03	20	
		00110-80-5: GLYCOL MONOETHYLETHER	1.18	370		2.37E-03	200	
		00123-86-4: BUTYL ACETATE	0.24	71,300		5.27E-03	565	
		00124-38-9: CARBON DIOXIDE	0.22	----		0.02	21,000	
		00141-78-6: ETHYL ACETATE	4.73	----		0.16	3,400	
		00630-08-0: CARBON MONOXIDE	7.09	40,000		0.13	----	
		01309-37-1: IRON OXIDE	5.20	----		0.03	12	
		01314-13-2: ZINC OXIDE	11	380		0.20	4.80	
		01330-20-7: XYLENE,M,O&P MIXT.	85	22,000		0.20	100	
		01335-25-7: LEAD OXIDE	0.24	----		2.11E-03	0.04	
		07439-92-1: LEAD	0.24	----		2.50E-04	0.04	
		07440-31-5: TIN	0.24	20		2.50E-04	0.24	
		07440-66-6: ZINC	2.36	----		8.69E-03	45	
		07446-09-5: SULFUR DIOXIDE	0.22	196		4.02E-03	80	
		07664-41-7: AMMONIA	47	2,400		0.11	500	
		08030-30-6: NAPHTHA	153	----		0.19	900	
		10102-43-9: NITROGEN OXIDE	0.24	----		4.04E-03	74	
		NY075-00-0: PARTICULATES	2.71	150		0.19	----	
		NY909-00-0: TOTAL ORGANICS	53	----		1.78	----	
Furniture and Related Product Manufacturing (337)		00067-56-1: METHANOL	92	33,000		0.41	4,000	
		00067-63-0: ISOPROPYL ALCOHOL	227	98,000		1.58	7,000	
		00067-64-1: ACETONE	232	180,000		1.61	30,000	
		00071-36-3: BUTYL ALCOHOL, N-	156	----		1.39	1,500	
		00078-93-3: METHYL ETHYL KETONE	472	13,000		4.17	5,000	
		00100-41-4: ETHYL BENZENE	25	----		0.11	1,000	
		00108-10-1: METHYL ISOBUTYL KETONE	497	31,000		4.42	3,000	
		00108-88-3: TOLUENE	2,545	37,000		23	5,000	
		00123-86-4: BUTYL ACETATE	350	71,300		2.50	565	
		01330-20-7: XYLENE,M,O&P MIXT.	826	22,000		4.59	100	
		08032-32-4: LIGROINE	25	----		0.11	900	
		64742-89-8: NAPHTHA LIGHT ALIPHATIC	52	----		0.23	3,200	
		NY075-00-0: PARTICULATES	5.59	150		0.40	----	

Kingsbridge Armory

Table E-2

Industrial Source Analysis Screening Concentrations

Use Group Lookup	Restriction	CAS No: Pollutant	Short Term Screening Results			Annual Screening Results		
			Screening Impact ($\mu\text{g}/\text{m}^3$)	SGC	Maximum Allowable Emission Rate Restriction (lb/hr)	Screening Impact ($\mu\text{g}/\text{m}^3$)	AGC	Maximum Allowable Emission Rate Restriction (lb/yr)
Miscellaneous Manufacturing (339)		00056-81-5: GLYCERIN	2.36	----		0.03	240	
		00064-17-5: ETHANOL	82	----		0.40	45,000	
		00067-56-1: METHANOL	0.24	33,000		6.58E-04	4,000	
		00067-63-0: ISOPROPYL ALCOHOL	250	98,000		2.62	7,000	
		00067-64-1: ACETONE	138	180,000		0.58	30,000	
		00071-36-3: BUTYL ALCOHOL, N-	111	----		1.06	1,500	
		00074-82-8: METHANE	2.84	----		0.02	1,600	
		00074-90-8: HYDROGEN CYANIDE	30	340		1.81E-03	0.80	
		00078-83-1: ISOBUTYL ALCOHOL	1,430	----		11	360	
		00078-93-3: METHYL ETHYL KETONE	303	13,000		2.59	5,000	
		00108-10-1: METHYL ISOBUTYL KETONE	322	31,000		1.34	3,000	
		00108-88-3: TOLUENE	511	37,000		1.71	5,000	
		00110-19-0: ISOBUTYL ACETATE	0.24	71,300		1.84E-03	565	
		00111-15-9: CELLOSOLVE ACETATE	0.24	140		1.84E-03	64	
		00117-81-7: DIOCTYL PHTHALATE	31	----		0.07	0.42	
		00123-86-4: BUTYL ACETATE	121	71,300		0.54	565	
		00141-43-5: MONOETHANOLAMINE	0.24	1,500		2.63E-03	18	
		00141-78-6: ETHYL ACETATE	231	----		2.26	3,400	
		00143-33-9: SODIUM CYANIDE	0.79	380		3.23E-03	3.50	
		00544-92-3: COPPER CYANIDE	0.24	380		2.63E-03	3.50	
		00630-08-0: CARBON MONOXIDE	23	40,000		0.20	----	
		01309-60-0: LEAD OXIDE	0.24	----		5.27E-06	0.04	
		01310-73-2: SODIUM HYDROXIDE	48	200		2.79E-03	----	
		01330-20-7: XYLENE,M,O&P MIXT.	240	22,000		2.15	100	
		07439-92-1: LEAD	0.24	----		1.70E-04	0.04	
		07440-31-5: TIN	0.24	20		2.38E-03	0.24	
		07440-36-0: ANTIMONY	0.24	----		2.50E-03	1.20	
		07446-09-5: SULFUR DIOXIDE	0.92	196		8.21E-03	80	
		07647-01-0: HYDROGEN CHLORIDE	79	2,100		0.26	20	
		07664-39-3: HYDROGEN FLUORIDE	0.24	5.60		6.58E-04	0.07	
		07664-41-7: AMMONIA	380	2,400		0.02	500	
		07664-93-9: SULFURIC ACID	0.44	120		3.98E-03	1.00	
		07697-37-2: NITRIC ACID	53	86		0.20	12	
		07782-50-5: CHLORINE	0.24	116		5.27E-04	0.20	
		08030-30-6: NAPHTHA	265	----		2.06	900	
		08032-32-4: LIGROINE	142	----		1.26	900	
		10102-43-9: NITROGEN OXIDE	9.32	----		0.09	74	
		64742-65-0: DISTILLATE HEAVY PARAFINIC	0.24	----		1.05E-03	3,200	
		NY075-00-0: PARTICULATES	6.52	150		0.64	----	

Industrial Source Emission Restrictions

Kingsbridge Armory

Table E-3

Industrial Source Pollutant Emissions Limitations

Pollutant	Maximum Short Term Emission Rate (lb/hr)	Maximum Annual Emission Rate (lb/yr)
00117-81-7: DIOCTYL PHTHALATE	N/A	319
01313-99-1: NICKEL OXIDE	8.5E-04	4.03