

APPENDIX B

**Emission Statements for American Sugar Refining
Company, Inc.**

DEC ID **3551800214** Facility **AMERICAN SUGAR REFINING COMPANY INC**

Location **ONE FEDERAL ST YONKERS, NY 10705**

Report **2005 Air Emissions Statement - Technically Complete**

Process **C01 (FP)**

SCC **1-01-006-01**

Emiss Unit **E-00002**

Contaminant "Actual" Emissions in Pounds Per Year

Fam	CAS Code	Contaminant Name	How Determined	Emis. Factor	Factor Srce.	Lbs./Year
9	000050-00-0	FORMALDEHYDE	PUBLISHED EMISSION FAC	0.0504134834	BACK CALCULA	20.9720091140
9	000050-32-8	BENZO(A)PYRENE	PUBLISHED EMISSION FAC	8.066E-7	BACK CALCULA	0.00033555214
4	000053-70-3	DIBENZ[A,H]ANTHRACENE	PUBLISHED EMISSION FAC	8.066E-7	BACK CALCULA	0.00033555214
9	000056-55-3	BENZO(A)ANTHRACENE	PUBLISHED EMISSION FAC	1.2099E-6	BACK CALCULA	0.00050332821
9	000071-43-2	BENZENE	PUBLISHED EMISSION FAC	0.0014115775	BACK CALCULA	0.58721625519
6	000074-82-8	METHANE	PUBLISHED EMISSION FAC	2.3	FIRE	956.8
6	000074-84-0	ETHANE	PUBLISHED EMISSION FAC	3.1	FIRE	1289.6
4	000074-98-6	PROPANE	PUBLISHED EMISSION FAC	1.0754876469	BACK CALCULA	447.402861100
8	000083-32-9	ACENAPHTHENE	PUBLISHED EMISSION FAC	1.7897E-6	BACK CALCULA	0.00074451395
9	000085-01-8	PHENANTHRENE	PUBLISHED EMISSION FAC	0.0000114271	BACK CALCULA	0.00475365539
8	000086-73-7	FLUORENE	PUBLISHED EMISSION FAC	2.784E-6	BACK CALCULA	0.00115813281
9	000091-20-3	NAPHTHALENE	PUBLISHED EMISSION FAC	0.0004100297	BACK CALCULA	0.17057234079
8	000091-57-6	2-METHYL NAPHTHALENE	PUBLISHED EMISSION FAC	0.0000238626	BACK CALCULA	0.00992685267
4	000106-97-8	BUTANE	PUBLISHED EMISSION FAC	1.4115775365	BACK CALCULA	587.216255194
9	000108-88-3	TOLUENE	PUBLISHED EMISSION FAC	0.0022854112	BACK CALCULA	0.95073107983
4	000109-66-0	PENTANE	PUBLISHED EMISSION FAC	1.7476674262	BACK CALCULA	727.029649287
9	000110-54-3	HEXANE	PUBLISHED EMISSION FAC	1.2099236027	BACK CALCULA	503.328218737
8	000120-12-7	ANTHRACENE	PUBLISHED EMISSION FAC	2.3863E-6	BACK CALCULA	0.00099268526
6	000124-38-9	CARBON DIOXIDE	PUBLISHED EMISSION FAC	120000	FIRE	49920000
8	000129-00-0	PYRENE	PUBLISHED EMISSION FAC	4.9714E-6	BACK CALCULA	0.00206809430
8	000191-24-2	BENZO[G,H,I]PERYLENE	PUBLISHED EMISSION FAC	1.1931E-6	BACK CALCULA	0.00049634263
8	000205-99-2	BENZO[B]FLUORANTHENE	PUBLISHED EMISSION FAC	1.7897E-6	BACK CALCULA	0.00074451395
8	000206-44-0	FLUORANTHENE	PUBLISHED EMISSION FAC	2.9828E-6	BACK CALCULA	0.00124085658
4	000207-08-9	BENZO[K]FLUORANTHENE	PUBLISHED EMISSION FAC	1.2099E-6	BACK CALCULA	0.00050332821
9	000218-01-9	CHRYSENE	PUBLISHED EMISSION FAC	1.2099E-6	BACK CALCULA	0.00050332821
5	000630-08-0	CARBON MONOXIDE	PUBLISHED EMISSION FAC	84	FIRE	34944
8	007439-92-1	LEAD	PUBLISHED EMISSION FAC	0.0004971381	BACK CALCULA	0.20680943076
8	007439-96-5	MANGANESE	PUBLISHED EMISSION FAC	0.0003778249	BACK CALCULA	0.15717516737
8	007439-97-6	MERCURY	PUBLISHED EMISSION FAC	0.0002585118	BACK CALCULA	0.10754090399
1	007439-98-7	MOLYBDENUM	PUBLISHED EMISSION FAC	0.0010937037	BACK CALCULA	0.45498074767
8	007440-02-0	NICKEL METAL AND INSOLUBLE	PUBLISHED EMISSION FAC	0.0020879798	BACK CALCULA	0.86859960919
8	007440-38-2	ARSENIC	PUBLISHED EMISSION FAC	0.0001988552	BACK CALCULA	0.08272377230
1	007440-39-3	BARIUM	PUBLISHED EMISSION FAC	0.0043748149	BACK CALCULA	1.81992299069
8	007440-41-7	BERYLLIUM	PUBLISHED EMISSION FAC	0.0000119313	BACK CALCULA	0.00496342633
8	007440-43-9	CADMIUM	PUBLISHED EMISSION FAC	0.0010937037	BACK CALCULA	0.45498074767
8	007440-47-3	CHROMIUM	PUBLISHED EMISSION FAC	0.0013919866	BACK CALCULA	0.57906640613
8	007440-48-4	COBALT	PUBLISHED EMISSION FAC	0.0000835192	BACK CALCULA	0.03474398436
1	007440-50-8	COPPER	PUBLISHED EMISSION FAC	0.0008451347	BACK CALCULA	0.35157603229
1	007440-62-2	VANADIUM	PUBLISHED EMISSION FAC	0.0022868351	BACK CALCULA	0.95132338150

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SCC 1-01-006-01

Emiss Unit E-00002

Contaminant "Actual" Emissions in Pounds Per Year

Fam	CAS Code	Contaminant Name	How Determined	Emis. Factor	Factor Srce.	Lbs./Year
1	007440-66-6	ZINC	PUBLISHED EMISSION FAC	0.0288340072	BACK CALCUL	11.9949469841
2	007446-09-5	SULFUR DIOXIDE	PUBLISHED EMISSION FAC	0.6	FIRE	249.6
6	007664-41-7	AMMONIA	PUBLISHED EMISSION FAC	3.2	FIRE	1331.2
8	007782-49-2	SELENIUM	PUBLISHED EMISSION FAC	0.0000238626	BACK CALCUL	0.00992685267
6	010024-97-2	NITROUS OXIDE	PUBLISHED EMISSION FAC	2.2	FIRE	915.2
4	025321-22-6	DICHLOROBENZENE	PUBLISHED EMISSION FAC	0.0008066157	BACK CALCUL	0.33555214582
11	0NY075-02-5	PM 2.5	PUBLISHED EMISSION FAC	7.5564984317	BACK CALCUL	3143.50334757
3	0NY210-00-0	OXIDES OF NITROGEN	PUBLISHED EMISSION FAC	190	FIRE	79040

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Emiss Unit **E-00002**

Contaminant "Actual" Emissions in Pounds Per Year

Fam	CAS Code	Contaminant Name	How Determined	Emis. Factor	Factor Srce.	Lbs./Year
9	000050-00-0	FORMALDEHYDE	PUBLISHED EMISSION FAC	0.0504134834	BACK CALCULA	31.0294990618
9	000050-32-8	BENZO(A)PYRENE	PUBLISHED EMISSION FAC	8.066E-7	BACK CALCULA	0.00049647198
4	000053-70-3	DIBENZ[A,H]ANTHRACENE	PUBLISHED EMISSION FAC	8.066E-7	BACK CALCULA	0.00049647198
9	000056-55-3	BENZO(A)ANTHRACENE	PUBLISHED EMISSION FAC	1.2099E-6	BACK CALCULA	0.00074470797
9	000071-43-2	BENZENE	PUBLISHED EMISSION FAC	0.0014115775	BACK CALCULA	0.86882597373
6	000074-82-8	METHANE	PUBLISHED EMISSION FAC	2.3	FIRE	1415.65
6	000074-84-0	ETHANE	PUBLISHED EMISSION FAC	3.1	FIRE	1908.05
4	000074-98-6	PROPANE	PUBLISHED EMISSION FAC	1.0754876469	BACK CALCULA	661.962646651
8	000083-32-9	ACENAPHTHENE	PUBLISHED EMISSION FAC	1.7897E-6	BACK CALCULA	0.00110155850
9	000085-01-8	PHENANTHRENE	PUBLISHED EMISSION FAC	0.0000114271	BACK CALCULA	0.00703335312
8	000086-73-7	FLUORENE	PUBLISHED EMISSION FAC	2.784E-6	BACK CALCULA	0.00171353544
9	000091-20-3	NAPHTHALENE	PUBLISHED EMISSION FAC	0.0004100297	BACK CALCULA	0.25237325903
8	000091-57-6	2-METHYL NAPHTHALENE	PUBLISHED EMISSION FAC	0.0000238626	BACK CALCULA	0.01468744668
4	000106-97-8	BUTANE	PUBLISHED EMISSION FAC	1.4115775365	BACK CALCULA	868.825973730
9	000108-88-3	TOLUENE	PUBLISHED EMISSION FAC	0.0022854112	BACK CALCULA	1.40667062413
4	000109-66-0	PENTANE	PUBLISHED EMISSION FAC	1.7476674262	BACK CALCULA	1075.68930080
9	000110-54-3	HEXANE	PUBLISHED EMISSION FAC	1.2099236027	BACK CALCULA	744.707977483
8	000120-12-7	ANTHRACENE	PUBLISHED EMISSION FAC	2.3863E-6	BACK CALCULA	0.00146874466
6	000124-38-9	CARBON DIOXIDE	PUBLISHED EMISSION FAC	120000	FIRE	73860000
8	000129-00-0	PYRENE	PUBLISHED EMISSION FAC	4.9714E-6	BACK CALCULA	0.00305988472
8	000191-24-2	BENZO[G,H,I]PERYLENE	PUBLISHED EMISSION FAC	1.1931E-6	BACK CALCULA	0.00073437233
8	000205-99-2	BENZO[B]FLUORANTHENE	PUBLISHED EMISSION FAC	1.7897E-6	BACK CALCULA	0.00110155850
8	000206-44-0	FLUORANTHENE	PUBLISHED EMISSION FAC	2.9828E-6	BACK CALCULA	0.00183593083
4	000207-08-9	BENZO[K]FLUORANTHENE	PUBLISHED EMISSION FAC	1.2099E-6	BACK CALCULA	0.00074470797
9	000218-01-9	CHRYSENE	PUBLISHED EMISSION FAC	1.2099E-6	BACK CALCULA	0.00074470797
5	000630-08-0	CARBON MONOXIDE	PUBLISHED EMISSION FAC	84	FIRE	51702
8	007439-92-1	LEAD	PUBLISHED EMISSION FAC	0.0004971381	BACK CALCULA	0.30598847267
8	007439-96-5	MANGANESE	PUBLISHED EMISSION FAC	0.0003778249	BACK CALCULA	0.23255123923
8	007439-97-6	MERCURY	PUBLISHED EMISSION FAC	0.0002585118	BACK CALCULA	0.15911400579
1	007439-98-7	MOLYBDENUM	PUBLISHED EMISSION FAC	0.0010937037	BACK CALCULA	0.67317463988
8	007440-02-0	NICKEL METAL AND INSOLUBLE	PUBLISHED EMISSION FAC	0.0020879798	BACK CALCULA	1.28515158524
8	007440-38-2	ARSENIC	PUBLISHED EMISSION FAC	0.0001988552	BACK CALCULA	0.12239538907
1	007440-39-3	BARIUM	PUBLISHED EMISSION FAC	0.0043748149	BACK CALCULA	2.69269855955
8	007440-41-7	BERYLLIUM	PUBLISHED EMISSION FAC	0.0000119313	BACK CALCULA	0.00734372334
8	007440-43-9	CADMIUM	PUBLISHED EMISSION FAC	0.0010937037	BACK CALCULA	0.67317463988
8	007440-47-3	CHROMIUM	PUBLISHED EMISSION FAC	0.0013919866	BACK CALCULA	0.85676772349
8	007440-48-4	COBALT	PUBLISHED EMISSION FAC	0.0000835192	BACK CALCULA	0.05140606340
1	007440-50-8	COPPER	PUBLISHED EMISSION FAC	0.0008451347	BACK CALCULA	0.52018040355
1	007440-62-2	VANADIUM	PUBLISHED EMISSION FAC	0.0022868351	BACK CALCULA	1.40754697431

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Fam	CAS Code	Contaminant Name	How Determined	Emiss. Factor	Factor Srce.	Lbs./Year
1	007440-66-6	ZINC	PUBLISHED EMISSION FAC	0.0288340072	BACK CALCUL	17.7473314152
2	007446-09-5	SULFUR DIOXIDE	PUBLISHED EMISSION FAC	0.6	FIRE	369.3
6	007664-41-7	AMMONIA	PUBLISHED EMISSION FAC	3.2	FIRE	1969.6
8	007782-49-2	SELENIUM	PUBLISHED EMISSION FAC	0.0000238626	BACK CALCUL	0.01468744668
6	010024-97-2	NITROUS OXIDE	PUBLISHED EMISSION FAC	2.2	FIRE	1354.1
4	025321-22-6	DICHLOROBENZENE	PUBLISHED EMISSION FAC	0.0008066157	BACK CALCUL	0.49647198498
11	0NY075-02-5	PM 2.5	PUBLISHED EMISSION FAC	7.5564984317	BACK CALCUL	4651.02478468
3	0NY210-00-0	OXIDES OF NITROGEN	PUBLISHED EMISSION FAC	190	FIRE	116945