SC DEPARTMENT of ENVIRONMENTAL SERVICES

Bureau of Air Quality
Title V Operating Permit

BASF Corporation Seneca Site
554 Engelhard Drive
Seneca, South Carolina 29678
Oconee County

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), and 48-1-110(a), the 1976 Code of Laws of South Carolina, as amended, and South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the Title V permit application received on July 7, 2014, as amended. All official correspondence, plans, permit applications, and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction permit may be grounds for permit revocation.

The operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

Permit Number: **TV-1820-0033 v1.3**
Agency Air Number: **1820-0033**

Issue Date: **December 15, 2020**
Effective Date: **January 1, 2021**
Expiration Date: **December 31, 2025**

Steve McCaslin, P. E., Director
Air Permitting Division
Bureau of Air Quality

RECORD OF REVISIONS

Date	Type	Description of Changes
04-21-2022	MM	Incorporated the requirements of Construction Permit 1820-0033-II as follows: • Revised Table B.9 and B.10 • Revised Table B.69 by removing 0615FE200 and 0615DC200 Case A and Case B • Revised Table B.70 by removing Case B • Revised Condition C.3, C.4, C.6, C.12, C.17, C.18, C.19, C.20, C.34, C.37 • Reserved Condition C.35 and C.36
12-13-2022	MM	1. To correct administrative errors, incorporate changes made under operational flexibility 502B10 and add a new operational case for existing Emission Unit 135. 2. To incorporate the requirements of Construction Permit 1820 0033-IG The changes made are as follows: • Revised Table B.7 - Changed the Control Device ID of 0440FE010 and 0440MH010 • Revised Table B.8 - Changed the Control Device ID description of 0460SR010 • Revised Table B.32 - Changed the Control Device ID of 1940BV010, 1940HO040, 1940HO230 and 1940MX010 • Added new Control Device Table B.33 since there is now a control device for 1940BV010 • Split existing Table B.39 into Case A and Case B and revised control devices for 1985CA010 • Revised existing Table B.47 - Changed the Control Device ID of 1965FP010 • Revised existing Table B.51 - Changed the Emission Point ID of 1930BA010 and deleted 1920DC030 • Revised existing Table B.57 – Deleted 1975BV010 • Added new Table 42 for Case B • Renumbered Tables after the new Table B.33 due to the new table additions • Added new Table B.75 and B.76 • Revised Control Device ID's for existing Condition C.3, C.4, C.8, C.12, C.14, C.17, C.18, C.19, C.20, C.24, C.25, C.27 and C.29 • Revised existing Condition C.29 • Revised the monitored parameters for Condition C.23 • Added Emission Unit ID 154 to Condition C.32
06-11-2024	SM	• The following emission units along with their associated equipment and regulatory requirements were removed from this permit: 100, 101,102, 104, 107,108, 109, 110, 113, 115, 120, 121, 122, 154, 155 • Updated permit to the new Title V permit template and updated permit conditions to the latest version of the Standard Conditions. • Added Standard 5.2 requirements for the Large Spray Dryer • Emission Units 152 and 153 moved to Insignificant Activities

RECORD OF REVISIONS

Date	Type	Description of Changes
12-18-2024	MM	• Changed the description of Emission Unit 140 to S-Building B-Line 19-12 • Changed the Control Device ID and Emission Point ID of 1960BV020, 1960RC010, 1960TK040, 1960TK050, 1960TK060 and 1960TK240 in Table A.27 to 1960SR20 and 1930 • Removed Control Device 1960SR010 from Table A.28 • Added Control Device 1960SR020 (S Building B-Line (New) Packed Scrubber) to Table A.28 • Changed the Control Device ID of 1960BV010 and 1960TK140 in Table A.37 to None • Removed 1960SR010 from Condition B.1, B.2, B.8 and B.9

AA Administrative Amendment
MM Minor Modification
SM Significant Modification

A. EMISSION UNIT(S), EQUIPMENT, AND CONTROL DEVICE(S)

Emission Unit ID	Emission Unit Description
123	Small Rotary Calciner (Chemcat) 15-04
126	Maurer Furnaces 18-02 (KAAP)
127	Delford Furnaces 18-03 (KAAP)
128	Extrudate Catalyst No.1 and No.2 18-04 (KAAP)
129	Small Spray Dryer 19-02
130	Eirich Mixer 19-03
131	Extrudate Drying and Sizing 19-04
133	PPD Calciner (Case B) Stack 1929 19-05
134	PPD Calciner (Case C) Stack 1929 19-05
135	EMC Calciner 19-06
137	Coating and Drying Line A 19-09
138	Coating and Drying Line B 19-10
139	Coating and Drying Line C 19-08
140	S-Building B-Line 19-12
141	Large Spray Dryer 19-13
142	Frit Calciner 19-14
143	Reduction 19-15
144	House Account No.1 Dryer 19-16
146	S-Building New Scrubber 19-19
147	Exchange Dryer 19-20
148	Zeolite Area (D-Line) 19-21
149	Beta Rotary Calciner
150	Tank Farm Bulk Chemicals 31-01
151	Wastewater Treatment Tank Farm

Equipment and control device capacities provided under the Description columns of Equipment and Control Device Tables below are not intended to be permit limits unless otherwise specified within the Table "Limitations, Monitoring, and Reporting". However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.

A.1 EQUIPMENT FOR EMISSION UNIT 123 – SMALL CALCINER (CHEMCAT) 15-04

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1511CA010	Small Rotary Calciner	1987	2130SR011 2130SR021 2130SR040 2130SR050 2130SR060	2101
1511DC010	Process Baghouse	1987	2130SR011 2130SR021 2130SR040 2130SR050 2130SR060	2101
1511SR010	Process Scrubber	1987	2130SR011 2130SR021 2130SR040 2130SR050 2130SR060	2101

A.2 CONTROL DEVICE(S) FOR EMISSION UNIT 123 – SMALL CALCINER (CHEMCAT) 15-04

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
2130SR011 2130SR021 2130SR040 2130SR050 2130SR060	Five Packed Scrubbers for Central NOx Scrubber System	NO_x, HCl, Cl_2 HNO_3, VOC, SO_2 H_2S	1987	2101

A.3 EQUIPMENT FOR EMISSION UNIT 126 – MAURER FURNACES 18-02 (KAAP)

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1810FE020	Electric Furnace	1996	None	1804
1810FE030	Electric Furnace	1996	None	1804
1810FE040	Electric Furnace	1996	None	1804

A.3 EQUIPMENT FOR EMISSION UNIT 126 – MAURER FURNACES 18-02 (KAAP)

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1810FE050	Electric Furnace	1997	None	1804
1810FE060	Electric Furnace	1997	None	1804
1810FE070	Electric Furnace	1996	None	1804
1810FE080	Electric Furnace	1996	None	1804
1810FE090	Electric Furnace	1997	None	1804
1810FE100	Electric Furnace	1997	None	1804
1810FE110	Electric Furnace	1997	None	1804
1810HO020	Feed Hopper	1996	None	1804
1810HO030	Feed Hopper	1996	None	1804
1810HO040	Feed Hopper	1996	None	1804
1810HO050	Feed Hopper	1997	None	1804
1810HO060	Feed Hopper	1997	None	1804
1810HO070	Feed Hopper	1996	None	1804
1810HO080	Feed Hopper	1996	None	1804
1810HO090	Feed Hopper	1997	None	1804
1810HO100	Feed Hopper	1997	None	1804
1810HO110	Feed Hopper	1997	None	1804

A.4 EQUIPMENT FOR EMISSION UNIT 127 – DELFORD FURNACES 18-03 (KAAP)

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1810FE010	Electric Furnace	1996	1810DC020	1803
1810FE120	Electric Furnace	1997	1810DC040	1803

A.5 CONTROL DEVICE(S) FOR EMISSION UNIT 127 – DELFORD FURNACES 18-03 (KAAP)

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1810DC020 1810DC040	Delford Furnaces Baghouses	PM, PM_{10}, $PM_{2.5}$	1996 1997	1803

A.6 EQUIPMENT FOR EMISSION UNIT 128 – EXTRUDATE CATALYST NO.1 AND NO.2 18-04 (KAAP)

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1820RC010	KAAP Reactor A	1996	1820SR030 1820SR040	1804
1820RC040	KAAP Reactor C	1997	1820SR030 1820SR040	1804
1820RC050	KAAP Reactor D	1997	1820SR030 1820SR040	1804
1810TK010	Mix Tank 10	1998	1820SR030 1820SR040	1804
1820TK080	Mix Tank 80	1997	1820SR030 1820SR040	1804
1820TK090	Mix Tank 90	1997	1820SR030 1820SR040	1804
1820TK100	Mix Tank 100	1997	1820SR030 1820SR040	1804

A.7 CONTROL DEVICE(S) FOR EMISSION UNIT 128 – EXTRUDATE CATALYST NO.1 AND NO.2 18-04 (KAAP)

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1820SR030 1820SR040	Packed Scrubber with Venturi for Extrudate Catalyst No.2	HCl	1997	1804

A.8 EQUIPMENT FOR EMISSION UNIT 129 – SMALL SPRAY DRYER 19-02

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1910DC010	Process Baghouse	1987	1910SR010	1903
1910HR010	Air Heater	1987	1910SR010	1903
1910SD010	Small Spray Dryer	1987	1910SR010	1903
1910TK110	Small Spray Dryer Slurry Feed Tank	1987	None	None

A.9 CONTROL DEVICE(S) FOR EMISSION UNIT 129 – SMALL SPRAY DRYER 19-02

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1910SR010	Small Spray Dryer Venturi Scrubber	PM, PM_{10}, $PM_{2.5}$	1987	1903

A.10 EQUIPMENT FOR EMISSION UNIT 130 – EIRICH MIXER 19-03

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1905ER010	4″ South Extruder at Extrusion 1	1999	None	None
1940ER010	4″ North Extruder at Extrusion 1	1999	None	None
1905FF010	Extrusion 2 Feeder	1999	None	None
1940BA030	Bulk Bag Unloader	2002	None	None
1940BA040	Bulk Bag Unloader	2002	None	None
1940BA050	Bag Dump Station	2002	None	None
1940DC230	Process Baghouse	2015	None	None
1940DC240	Process Baghouse	2015	None	None
1940BV010	Process Bin Vent Baghouse	1994	1940DC040	1906
1940DC030	Process Bin Vent Baghouse	1994	None	None
1940ER040	4″ Extruder at Extrusion 2	1994	None	None
1940ER050	6″ Extruder at Extrusion 1	1994	None	None
1940FF070	South Pulva Feeder	1994	None	None
1940FF120	North Pulva Feeder	2008	None	None
1940HO040	Feed Hopper (Eirich Mixer)	1987	None	None
1940HO050	Weigh Hopper	1994	None	None
1940HO230	Batch Weigh Hopper	2005	None	None
1940MX010	Eirich Mixer	1994	None	None
1940TK010	DIW Tank	1994	None	None
1940TK040	Nitric Acid Tank	2005	None	None

A.11 CONTROL DEVICE(S) FOR EMISSION UNIT 130 – EIRICH MIXER 19-03

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1940DC040	Extrudate Drying and Sizing Baghouse	PM, PM_{10}, $PM_{2.5}$	1994	1906

A.12 EQUIPMENT FOR EMISSION UNIT 131 – EXTRUDATE DRYING AND SIZING 19-04

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1905SN010	Screener	1987	1940DC050	1908
1940BA020	Bagging Station	2008	1940DC040	1906
1940CV240	Internal Dryer Conveyor	1987	1940DC050	1908
1940CV260	Bucket Conveyor	2008	1940DC050	1908
1940DY080	Steam Dryer	2008	1940DC050	1908
1940MS070	Mill/Sizer Conveyor	2008	1940DC040	1906
1940SN070	Screener	2009	1940DC040	1906

A.13 CONTROL DEVICE(S) FOR EMISSION UNIT 131 – EXTRUDATE DRYING AND SIZING 19-04

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1940DC040	Extrudate Drying and Sizing Baghouse	PM, PM_{10}, $PM_{2.5}$	1987	1906
1940DC050	Extrudate Drying and Sizing Baghouse	PM, PM_{10}, $PM_{2.5}$	1987	1908

A.14 EQUIPMENT FOR EMISSION UNIT 133 – PPD CALCINER CASE B, STACK 1929 19-05

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1940CA010	PPD Calciner (Case B)	1987	1940DC060 1940SR050 1940AB010	1929
1940HO090	PPD Calciner Feed Hopper	1987	1940DC060	1929
1940SCH010	Settling Chamber	2001	1940SR050	1929

A.15 EQUIPMENT FOR EMISSION UNIT 134 – PPD CALCINER CASE C STACK 1929 19-05

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1940CA010	PPD Calciner (Case C)	1987	1940DC060 1940SR050	1929
1940HO090	PPD Calciner Feed Hopper	1987	1940DC060	1929
1940SCH010	Settling Chamber	2001	1940SR050	1929

A.16 CONTROL DEVICE(S) FOR EMISSION UNIT 134 – PPD CALCINER CASE C STACK 1929 19-05

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1940DC060	PPD Calciner Baghouse	PM, PM_{10}, $PM_{2.5}$	1987	1929
1940SR050	PPD Calciner NO_x Scrubber	NO_x	1994	1929

A.17 EQUIPMENT FOR EMISSION UNIT 135 – EMC CALCINER CASE A 19-06

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1985HO020	EMC Calciner Feed Hopper	1997	None	None
1985DC050	EMC Process Dust Collector	1997	None	None
1985HO030	Feed Hopper	1997	None	None
1985HO040	Feed Hopper	1997	None	None
1985FF010	Feeder for EMC Calciner	1997	None	None
1985FF040	EMC Feed Screw Conveyor	1997	None	None
1985CA010	Mobile Calciner	1997	1985DC010 1940SR050	1929
1985CV010	EMC Calciner Discharge Conveyor	1997	None	None
1985SN010	EMC Screener	1997	None	None
1985SR030	Process Scrubber	2001	1940SR050	1929

A.18 CONTROL DEVICE(S) FOR EMISSION UNIT 135 – EMC CALCINER CASE A 19-06

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1985DC010	EMC Baghouse	PM, PM_{10}, $PM_{2.5}$	1997	1929

A.18 CONTROL DEVICE(S) FOR EMISSION UNIT 135 – EMC CALCINER CASE A 19-06

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1940SR050	PPD NO_x Scrubber	NO_x	1994	1929

A.19 EQUIPMENT FOR EMISSION UNIT 135 – EMC CALCINER CASE B 19-06

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1985HO020	EMC Calciner Feed Hopper	1997	None	None
1985DC050	EMC Process Dust Collector	1997	None	None
1985HO030	Feed Hopper	1997	None	None
1985HO040	Feed Hopper	1997	None	None
1985FF010	Feeder for EMC Calciner	1997	None	None
1985FF040	EMC Feed Screw Conveyor	1997	None	None
1985CA010	Mobile Calciner	1997	1985DC010 1985AB010 1940SR050	1929
1985CV010	EMC Calciner Discharge Conveyor	1997	None	None
1985SN010	EMC Screener	1997	None	None
1985SR030	Process Scrubber	2001	1940SR050	1929

A.20 CONTROL DEVICE(S) FOR EMISSION UNIT 135 – EMC CALCINER CASE B 19-06

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1985AB010	EMC Calciner Thermal Oxidizer	VOC	1997	1929
1985DC010	EMC Baghouse	PM, PM_{10}, $PM_{2.5}$	1997	1929
1940SR050	PPD NO_x Scrubber	NO_x	1994	1929

A.21 EQUIPMENT FOR EMISSION UNIT 137 – COATING AND DRYING LINE A 19-09

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1940RC010	Reactor for A, B and C-Coating Lines	1993	1940SR030	1913
1940RC020	Reactor for A, B and C-Coating Lines	1993	1940SR030	1913
1950BL010	Line A Coating Pan	1987	1950SR020	1914
1950DY010	Line A Coating Dryer	1987	1950SR020	1914
1950FF010	Line A Feeder	1987	1950SR020	1914
1950HO010	Line A Hopper	1987	1950SR020	1914
1950TK080	Mix Tank for A and C Coaters	2001	1940SR030	1913
1950TK090	Mix Tank for A and B Coaters	2001	1940SR030	1913

A.22 CONTROL DEVICE(S) FOR EMISSION UNIT 137 – COATING AND DRYING LINE A 19-09

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1950SR020	Venturi Scrubber for A Line Coating and Drying	PM, PM_{10}, $PM_{2.5}$	1987	1914
1940SR030	Packed Scrubber for Line C Coating and Drying	PM, PM_{10}, $PM_{2.5}$	1987	1913

A.23 EQUIPMENT FOR EMISSION UNIT 138 – COATING AND DRYING LINE B 19-10

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1940RC010	Reactor for A, B and C-Coating Lines	1993	1940SR030	1913
1940RC020	Reactor for A, B and C-Coating Lines	1993	1940SR030	1913
1940RC030	Reactor for A, B and C-Coating Lines	1993	1940SR030	1913
1950BL020	Line B Coating Pan	1987	1950SR010	1915
1950DD010	Bin Dumper	1987	1950SR010	1915
1950DY020	Line B Coating Dryer	1987	1950SR010	1915
1950FF020	Feeder	1987	1950SR010	1915
1950HO020	Hopper	1987	1950SR010	1915
1950TK090	Mix Tank for A and B Coaters	2001	1940SR030	1913

A.24 CONTROL DEVICE(S) FOR EMISSION UNIT 138 – COATING AND DRYING LINE B 19-10

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1950SR010	Venturi Scrubber for Line B Coating and Drying	PM, PM_{10}, $PM_{2.5}$	1987	1915
1940SR030	Packed Scrubber for Line C Coating and Drying	PM, PM_{10}, $PM_{2.5}$	1987	1913

A.25 EQUIPMENT FOR EMISSION UNIT 139 – COATING AND DRYING LINE C 19-08

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1940RC010	Reactor for A, B and C-Coating Lines	1993	1940SR030	1913
1940RC020	Reactor for A, B and C-Coating Lines	1993	1940SR030	1913
1940RC030	Reactor for A, B and C-Coating Lines	1993	1940SR030	1913
1950BL030	Line C Coating Pan	1987	1940SR030	1913
1950DY030	Line C Coating Dryer	1987	1940SR030	1913
1950FF030	Feeder	1987	1940SR030	1913
1950DS030	Ammonium Hydroxide Drum Cabinet	2010	2120SR010	2103
1950HO030	Hopper	1987	1940SR030	1913
1950TK080	Mix Tank for A and C Coaters	2001	1940SR030	1913

A.26 CONTROL DEVICE(S) FOR EMISSION UNIT 139 – COATING AND DRYING LINE C 19-08

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1940SR030	Packed Scrubber for Line C Coating and Drying	PM, PM_{10}, $PM_{2.5}$	1987	1913
2120SR010	Central Ammonia Scrubber System	N_2H_4 Ethanolamine Formic Acid	1987	2103

A.27 EQUIPMENT FOR EMISSION UNIT 140 – S-BUILDING B-LINE 19-12

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1960BV020	Process Bin Vent Baghouse (Tank 800)	2002	1960SR020	1930
1960RC010	Hastelloy Zeolite Reactor RC010	1987	1960SR020 1960DC010	1930 1917

A.27 EQUIPMENT FOR EMISSION UNIT 140 – S-BUILDING B-LINE 19-12

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1960TK040	Process Tank 400	1987	1960SR020 1960DC010	1930 1917
1960TK050	Process Tank 700	1987	1960SR020 1960DC010	1930 1917
1960TK060	Process Tank 800	1987	1960SR020	1930
1960TK240	Process Tank 600	1996	1960SR020 1960DC010	1930 1917
1965FP010	Filter Press No.4	1990	None	None

A.28 CONTROL DEVICE(S) FOR EMISSION UNIT 140 – S-BUILDING B-LINE 19-12

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1960DC010	S Building Baghouse	PM, PM_{10}, $PM_{2.5}$	1987	1917
1960SR020	S Building B-Line (New) Packed Scrubber	VOC	1997	1930

A.29 EQUIPMENT FOR EMISSION UNIT 141 – LARGE SPRAY DRYER 19-13

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1920CY010	Process Cyclone	1987	1920SR010	1919
1920CY020	Process Cyclone	1987	1920SR010	1919
1920CY030	Process Cyclone	1987	1920SR010	1919
1920CY040	Process Cyclone	1987	1920SR010	1919
1920DC040	Large Spray Dryer Process Baghouse	2017	1920SR010	1919
1920HR010	Large Spray Dryer Air Heater	1987	1920SR010	1919
1920SD010	Large Spray Dryer	1987	1920SR010	1919
1910TK120	Small Spray Dryer Slurry Mix Tank	1987	None	None
1920TK010	Large Spray Dryer Slurry Feed Tank	1987	None	None
1920TK020	Large Spray Dryer Slurry Mix Tank	1987	None	None

A.30 CONTROL DEVICE(S) FOR EMISSION UNIT 141 – LARGE SPRAY DRYER 19-13

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1920SR010	Large Spray Dryer Venturi Scrubber	PM, PM_{10}, $PM_{2.5}$	1987	1919

A.31 EQUIPMENT FOR EMISSION UNIT 142 – FRIT CALCINER 19-14

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1920HO010	Frit Calciner Feed Hopper	1987	None	1920
1920FF020	Frit Powder Feeder	1987	None	1920
1920FR060	Frit Process Feed Hopper Bin Vent	1987	None	1920
1920CA010	Frit Calciner	1987	1920SR020	2101
1920DC020	Frit Process Baghouse (Sputnik)	1987	2130SR011 2130SR021 2130SR040 2130SR050 2130SR060	2101
1930BA010	Frit Product Bagging Station	1987	None	None
1920FF030	Frit Extrudate Feeder	1987	None	1920

A.32 CONTROL DEVICE(S) FOR EMISSION UNIT 142 – FRIT CALCINER 19-14

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1920SR020	Frit Calciner Venturi Scrubber	PM, PM_{10}, $PM_{2.5}$	1987	1920
2130SR011 2130SR021 2130SR040 2130SR050 2130SR060	Five Packed Scrubbers for Central NOx Scrubber System	NO_x, HCl, Cl_2 HNO_3, VOC, SO_2 H_2S	1987	2101

A.33 EQUIPMENT FOR EMISSION UNIT 143 – REDUCTION 19-15

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1930TK080	Process Tank (Reduction Kettle)	1987	1930SR010	1922
1930TK090	Washing Tank	1987	1930SR010	1922

A.33 EQUIPMENT FOR EMISSION UNIT 143 – REDUCTION 19-15

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1930TK100	Reduction Tank	1987	1930SR010	1922
1930SF010	Acid Cabinet	1987	1930SR010	1922

A.34 CONTROL DEVICE(S) FOR EMISSION UNIT 143 – REDUCTION 19-15

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1930SR010	HA No.1 Reduction Packed Scrubber	Formic Acid	1987	1922

A.35 EQUIPMENT FOR EMISSION UNIT 144 – HOUSE ACCOUNT NO.1 DRYER 19-16

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1930CV010	Conveyor (Autosampler Feeder)	1987	1930DC010	1923
1930CY010	Process Cyclone	1987	1930DC010	1923
1930CY020	Process Cyclone	1987	1930DC010	1923
1930DY010	Dryer	1987	1930DC010	1923
1930FF020	Feeder	1987	1930DC010	1923
1930DD010	Drum Dumper	2012/2018	None	N/A
1930HO010	Feed Hopper	1987	1930DC010	1923
1930SA010	Sampler	1987	1930DC010	1923

A.36 CONTROL DEVICE(S) FOR EMISSION UNIT 144 – HOUSE ACCOUNT NO.1 DRYER 19-16

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1930DC010	House Account No.1 Dryer Baghouse	PM, PM_{10}, $PM_{2.5}$	1987	1923

A.37 EQUIPMENT FOR EMISSION UNIT 146 – S BUILDING NEW SCRUBBER 19-19

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1960BV010	Process Bin Vent Baghouse (Tank 200)	2001	None	None
1960BV030	Process Bin Vent Baghouse (Tank 900)	2001	1960SR020	1930
1960FP040	Filter Press A	1997	1960SR020	1930
1960FP050	Filter Press B	1997	1960SR020	1930
1960HD030	Drum Hood (Tank 200)	1998	1960SR020	1930
1960HD040	Drum Hood (RC020)	1998	1960SR020	1930
1960RC020	Zeolite Reactor RC020 (Reactor A)	1990	1960SR020 1960DC010	1930 1917
1960RC040	Zeolite Reactor RC040 (Reactor C)	1997	1960SR020 1960DC010	1930 1917
1960TK070	Process Tank 900	1987	1960SR020	1930
1960TK090	Wastewater Tank 1200	1987	1960SR020	1930
1960TK100	Wastewater Tank 1100	1987	1960SR020	1930
1960TK140	Process Tank 200	1997	None	None
1960TK150	Process Tank 150	1997	1960SR020	1930
1960TK160	Process Tank 160	1997	1960SR020	1930
1960TK250	Condensate Receiver Tank	1997	1960SR020	1930
1960TK270	Process Tank 1000	1997	1960SR020	1930
1960TK300	Feed Tank 300 (to Filter Press B)	1997	1960SR020	1930
1960TK320	Mother Liquor Storage Tank	1997	1960SR020	1930
1960TK360	Wastewater Tank 360	1997	1960SR020	1930
1960TK410	Deionizer HCl Wastewater Tank	1997	1960SR020	1930
1960TK460	S-Project Disengagement Tank	2017	None	None
1970RC010	MRM A Reactor (Case B)	1987	None	1902
1970RC020	MRM B Reactor (Case B)	1987	None	1901
1975HD010	Fe-Beta Building Drum Hood	1998	1960SR020	1930
1975TK010	Beta Building Tank 10	1997	1960SR020	1930

A.37 EQUIPMENT FOR EMISSION UNIT 146 – S BUILDING NEW SCRUBBER 19-19

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1975TK020	Fe-Beta Building Tank 20	1998	None	None
1975TK040	Fe-Beta Building Wastewater Tank 40	1997	None	None
1975TK050	Fe-Beta Building Wastewater Tank 50	1997	None	None
1975TK030	Fe-Beta Building Tank 30	1998	1960SR020	1930
1975BV010	Fe-Beta Building Tank 30 Bin Vent	1997	None	None

A.38 CONTROL DEVICE(S) FOR EMISSION UNIT 146 – S BUILDING NEW SCRUBBER 19-19

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1960SR020	S Building, B-Line (New) Packed Scrubber	VOC	1987	1930
1960DC010	S-Building Baghouse	PM, PM_{10}, $PM_{2.5}$	1987	1917

A.39 EQUIPMENT FOR EMISSION UNIT 147 – EXCHANGE DRYER 19-20

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1985DD010	Exchange Dryer Drum Dumper	1997	1985DC020	1931
1985FF020	Exchange Dryer Feed Belt	1996	1985DC020	1931
1985DY010	Steam Dryer	1997	1985DC020	1931
1985HO010	Feed Hopper	1997	1985DC020	1931

A.40 CONTROL DEVICE(S) FOR EMISSION UNIT 147 – EXCHANGE DRYER 19-20

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1985DC020	Exchange Dryer Baghouse	PM, PM_{10}, $PM_{2.5}$	1997	1931

A.41 EQUIPMENT FOR EMISSION UNIT 148 – ZEOLITE AREA (D-LINE) 19-21

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1985DC030	Process Bin Vent Baghouse Tank 200	1997	1985SR010 1985SR020	1933
1985DC040	Process Bin Vent Baghouse Tank 700	1997	1985SR010 1985SR020	1933
1985FP010	Filter Press D	1997	1985SR010 1985SR020	1933
1985RC010	D-Line Zeolite Reactor	1997	1985SR010 1985SR020	1933
1985TK120	Process Tank 200	1997	1985SR010 1985SR020	1933
1985TK130	Process Tank 300	1997	1985SR010 1985SR020	1933
1985TK140	Tank 800 (Filter Press D Feed Tank)	1997	1985SR010 1985SR020	1933
1985TK150	Washing Tank 600	1997	1985SR010 1985SR020	1933
1985TK160	Process Tank 700	1997	1985SR010 1985SR020	1933
1985TK170	(Effluent Equalization) M/L Tank	1997	1985SR010 1985SR020	1933
1985TK180	(Effluent Equalization) M/W Tank	1997	1985SR010 1985SR020	1933
1985TK200	Reslurry Tank	1997	None	None
1985TK270	D-Line Disengagement Tank	2017	None	None
1985HD030	Drum Hood (Reactor)	2017	1985SR010 1985SR020	1933
1985TK240	Scrubber Blowdown Tank	1997	1985SR010 1985SR020	1933
1985TK250	Filter Press Flush DIW Tank	1997	None	None

A.42 CONTROL DEVICE(S) FOR EMISSION UNIT 148 – ZEOLITE AREA (D-LINE) 19-21

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1985SR010 (Acid Column) 1985SR020 (Caustic Column)	2 Zeolite Area (D-Line) Packed Scrubbers	VOC, HCl	1997	1933

A.43 EQUIPMENT FOR EMISSION UNIT 149 – BETA ROTARY CALCINER 19-25

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1940CA050	Beta Rotary Calciner Case B (Products with no nitrogen and no organics)	2005/2012	1940SR070	19-39
1940CA050	Beta Rotary Calciner Case C (Normal Mode)	2005/2012	1940AB020 1940SR070	19-39
1940QH040	Quench Chamber	2012	None	19-39
1940SR060	Process Packed Bed Chloride Scrubber	2005	None	None
1940HO330	Bulk Bag Unloading/Feed Hopper	2017	None	None
1940FR010	Feed Receiver	2017	None	None
1940HO320	Feed Hopper	2017	None	None
1940FF140	Twin Feed Screw Conveyors	2017	None	None
1940DC250	Feed System Process Dust Collector	2017	None	None
1940RF120	Discharge System Product Receiver	2016	None	None
1940BA070	Product Bagging System No.1 (East)	2016	None	None
1940BA080	Product Bagging System No.2 (West)	2016	None	None
1940DC200	High Temperature Baghouse (Product Recovery)	2012	1940AB020 1940SR070	19-39

A.44 CONTROL DEVICE(S) FOR EMISSION UNIT 149 – BETA ROTARY CALCINER 19-25

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
1940SR070	Beta Packed Bed Caustic NO_x Scrubber	NO_x, H_2PO_4 H_2S, HCl	1994	19-39
1940AB020	Beta Calciner Thermal Oxidizer (Case C only)	VOC, CO	1997	19-39

A.45 EQUIPMENT FOR EMISSION UNIT 150 – TANK FARM BULK CHEMICALS 31-01

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
1920TK130	TiOCl2 Bulk Storage Tank	2004	2110SR010	2102
1960TK010	ADAOH Bulk Storage Tank	1998	None	None
1960TK020	Ludox Bulk Storage Tank	1998	None	None
3110TK020	Na Silicate Bulk Storage Tank	2017	None	None

A.46 CONTROL DEVICE(S) FOR EMISSION UNIT 150 – TANK FARM BULK CHEMICALS 31-01

Control Device ID	Control Device Description	Pollutant(s) Controlled	Installation Date	Emission Point ID
2110SR010	Packed Scrubber for Central No-NOx Scrubber	VOC	1987	21-02

A.47 EQUIPMENT FOR EMISSION UNIT 151 – WASTEWATER TREATMENT TANK FARM

Equipment ID	Equipment Description	Installation Date	Control Device ID	Emission Point ID
3240TK040	GP 4 Beta Storage Tank	1998	None	None
3240TK050	GP 4 Beta Storage Tank	1998	None	None

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
B.1	**Emission Unit ID:** 123, 127, 128, 129, 131, 133, 134, 135, 137, 138, 139, 140, 141, 142, 143, 144, 146, 147, 148, 149 **Equipment ID:** All equipment in above Emission Units with a control device **Control Device ID:** 1810DC020, 1810DC040, 1820SR030, 1820SR040, 1910SR010, 1940DC040, 1940DC050, 1940DC060, 1940AB010, 1940SR050, 1985AB010, 1985DC010, 1950SR010, 1950SR020, 1940SR030, 1960DC010, 1920SR010, 1920SR020, 1930SR010, 1930DC010, 1960SR020, 1985DC020, 1985SR010/020, 1940SR070, 1940AB020 The owner or operator shall inspect, calibrate, adjust, and maintain continuous monitoring systems, monitoring devices, and gauges in accordance with manufacturer's specifications or good engineering practices. The owner or operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel. (S.C. Regulation 61-62.1, Section II(J)(1)(d)) Sources required to have continuous emission monitors shall submit reports as specified in applicable parts of the permit, law, regulations, or standards.
B.2	**Emission Unit ID:** 123, 127, 128, 129, 131, 133, 134, 135, 137, 138, 139, 140, 141, 142, 143, 144, 146, 147, 148, 149 **Equipment ID:** All equipment in above Emission Units with a control device **Control Device ID:** 1940DC040, 1940DC050, 1940DC060, 1940AB010, 1940SR050, 1985AB010, 1985DC010, 1950SR010, 1950SR020, 1940SR030, 1960DC010, 1920SR010, 1920SR020, 1930SR010, 1930DC010, 1960SR020, 1985DC020, 1985SR010/020, 1940SR070, 1940AB020 All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (e.g., pressure drop readings, flow rates, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each occurrence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these occurrences shall be submitted semiannually. If there were no occurrences during the reporting period, then documentation shall be submitted to indicate such. Any alternative method for monitoring control device performance must be preapproved by the Department and shall be incorporated into the permit as set forth in S.C. Regulation 61-62.70.7.
B.3	**Emission Unit ID:** 149 **Equipment ID:** 1940CA050 **Control Device ID:** 1940SR070, 1940AB020 For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests. Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary.

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	When conducting source tests subject to this section, the owner, operator, or representative shall provide the following: • Department access to the facility to observe source tests; • Sampling ports adequate for test methods; • Safe sampling site(s); • Safe access to sampling site(s); • Utilities for sampling and testing equipment; and • Equipment and supplies necessary for safe testing of a source. The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test. Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Department.
B.4	**Emission Unit ID:** 149 **Equipment ID:** 1940CA050 **Control Device ID:** 1940SR070, 1940AB020 (S.C. Regulation 61-62.1, Section II(J)(2)) The owner or operator shall conduct a performance test for Triethylamine and total HAP emissions from the Beta Rotary Calciner every four (4) years from the date of the last performance test. This particular test requirement will only apply if the Beta Calciner (Unit 149) is being used to calcine Beta Zeolite and a performance test for Triethylamine and total HAP emissions has not been conducted in the past 4 years. If no Beta Zeolite is calcined on the Beta Calciner for four years or greater, the test requirement will be deferred until the next time Beta Zeolite is calcined.
B.5	**Emission Unit ID:** 133, 135, 149 **Equipment ID:** All except 1940CA010, 1985CA010, 1940CA050 **Control Device ID:** All except 1940DC060, 1940SR050, 1940AB010, 1985DC010, 1985AB010, 1940SR070, 1940AB020 (S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations: For process weight rates less than or equal to 30 tons per hour: $E = (F)\ 4.10P^{0.67}$ For process weight rates greater than 30 tons per hour: $E = (F)\ 55.0P^{0.11} - 40$ Where E = the allowable emission rate in pounds per hour P = process weight rate in tons per hour

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	F = effect factor from Table B in S.C. Regulation 61-62.5, Standard No.4 For the purposes of compliance with this condition, the process boundaries are defined as follows: Confidential - Max Process Weight Rate Confidential ton/hr
B.6	**Emission Unit ID:** All except 133, 135, 149 **Equipment ID:** All except 1940CA010, 1985CA010, 1940CA050 **Control Device ID:** All except 1940DC060, 1940SR050, 1940AB010, 1985DC010, 1985AB010, 1940SR070, 1940AB020 (S.C. Regulation 61-62.5, Standard No.4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 20% each. The owner or operator shall perform a visual inspection on a semiannual basis of sources subject to opacity limits. The inspection shall occur during normal source operation. No periodic monitoring for opacity will be required for sources during periods that only Natural Gas or Propane are being combusted. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. If a source did not operate during the required visual inspection time frame, the log shall indicate such. The owner or operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If only natural gas or propane was combusted or if the unit did not operate during the semiannual period, the report shall state so. Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water
B.7	**Emission Unit ID:** 133, 135, 149 **Equipment ID:** 1940CA010, 1985CA010, 1940CA050 **Control Device ID:** 1940DC060, 1940SR050, 1940AB010, 1985DC010, 1985AB010, 1940SR070, 1940AB020

B. LIMITATIONS, MONITORING, AND REPORTING

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td></td><td>(S.C. Regulation 61-62.1.70.6 (a)(3)) The owner or operator shall continue to operate and maintain combustion zone temperature indicators on each source. Temperature readings shall be recorded at least every fifteen (15) minutes during source operation. Maintenance shall be made according to manufacturer recommendations. Each afterburner or thermal oxidizer shall be in place and operational whenever processes controlled by it are running, except during periods of malfunction or mechanical failure.

A minimum combustion zone temperature has been established to ensure proper operation of each afterburner or thermal oxidizer. These minimum temperatures were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established minimum combustion zone temperature and supporting documentation for this monitored parameter. The minimum combustion zone temperature may be updated following submittal to the Department.

Each Thermal Oxidizer is permitted to burn only Natural Gas and Propane as fuels. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</td></tr>
<tr><td>B.8</td><td>Emission Unit ID: 128, 129, 133, 134, 135, 137, 138, 139, 140, 141, 142, 143, 146, 148, 149, 150

Equipment ID: All

Control Device ID: 1820SR030/040, 1910SR010, 1940SR050, 1950SR020, 1950SR010, 1940SR030, 1920SR010, 1920SR020, 1930SR010, 1960SR020, 1985SR010, 1985SR020, 1940SR070, 2110SR010

(S.C. Regulation 61-62.1.70.6(a)(3)) The owner/operator shall continue to operate and maintain liquid flow meters on each scrubber used for emission control. This monitored parameter shall be recorded in accordance with the following frequency:

<table>
<tr><th>Control Device ID</th><th>Monitoring Frequency</th></tr>
<tr><td>1820SR030/040, 1930SR010, 1960SR020, 1985SR010/020, 2110SR010</td><td>Daily Each</td></tr>
<tr><td>1910SR010, 1950SR020, 1950SR010, 1940SR030, 1920SR010, 1920SR020, 1940SR050, 1940SR070</td><td>Continuous Each</td></tr>
</table>
Operation and maintenance checks shall be made on at least a weekly basis. Each scrubber shall be in place and operational whenever processes controlled by it are running, except during periods of scrubber malfunction or mechanical failure.

A minimum flow rate has been established to ensure proper operation of the pollution control equipment. These minimums for the monitored parameter were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper</td></tr>
</table>

B. LIMITATIONS, MONITORING, AND REPORTING

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td></td><td>operation of the equipment. The facility shall maintain the established minimums and supporting documentation for this monitored parameter. These minimums may be updated by completing a new performance test, following submittal of a new performance test plan to the Department.</td></tr>
<tr><td>B.9</td><td>Emission Unit ID: 128, 133, 134, 135, 137, 138, 139, 140, 143, 146, 148, 149, 150

Equipment ID: All

Control Device ID: 1820SR030, 1820SR040, 1940SR050, 1940SR060, 1940SR070, 1940SR030, 1930SR010, 1960SR020, 1985SR010, 1985SR020, 2110SR010

(S.C. Regulation 61-62.1.70.6(a)(3)) The owner/operator shall continue to operate and maintain pH meters on each scrubber used for emission control. This monitored parameter shall be recorded in accordance with the following frequency:

<table>
<tr><th>Control Device ID</th><th>Monitoring Frequency</th></tr>
<tr><td>1820SR030/040, 1940SR050, 1940SR060, 1930SR010, 1960SR020, 1940SR070, 1940SR030, 2110SR010</td><td>Daily Each</td></tr>
<tr><td>1985SR010/020</td><td>Weekly</td></tr>
</table>

Operation and maintenance checks shall be made on at least a weekly basis. Each scrubber shall be in place and operational whenever processes controlled by it are running, except during periods of scrubber malfunction or mechanical failure.

A minimum or maximum pH has been established to ensure proper operation of the pollution control equipment. These minimums or maximums for the monitored parameter were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established minimums or maximums and supporting documentation for this monitored parameter. These minimums or maximums may be updated by completing a new performance test, following submittal of a new performance test plan to the Department.</td></tr>
<tr><td>B.10</td><td>Emission Unit ID: 129, 137, 138, 141, 142
Equipment ID: All
Control Device ID: 1910SR010, 1920SR010, 1920SR020, 1950SR010, 1950SR020

(S.C. Regulation 61-62.1.70.6(a)(3)) The owner/operator shall continue to operate and maintain pressure drop indicators meters on each scrubber used for emission control. This monitored parameter shall be recorded in accordance with the following frequency:

<table>
<tr><th>Control Device ID</th><th>Monitoring Frequency</th></tr>
</table>
</td></tr>
</table>

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
	<table><tr><td>1910SR010</td><td>Continuous</td></tr><tr><td>1950SR020</td><td>Continuous</td></tr><tr><td>1950SR010</td><td>Continuous</td></tr><tr><td>1920SR010</td><td>Continuous</td></tr><tr><td>1920SR020</td><td>Continuous</td></tr></table> Operation and maintenance checks shall be made on at least a weekly basis. Each scrubber shall be in place and operational whenever processes controlled by it are running, except during periods of scrubber malfunction or mechanical failure. Operational ranges for the pressure drop have been established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameter were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established ranges and supporting documentation for this monitored parameter. Operating ranges may be updated by completing a new performance test, following submittal of a new performance test plan to the Department.
B.11	**Emission Unit ID:** 123, 142 **Equipment ID:** All **Control Device ID:** 2130SR011, 2130SR021, 2130SR040, 2130SR050 (S.C. Regulation 61-62.1.70.6(a)(3)) The owner/operator shall continue to operate and maintain meters on each scrubber module of the Central NOx Scrubber System (Exhaust Point 21-01) as follows for the listed monitored parameters: <table><tr><th>Control Device ID</th><th>Monitored Parameters</th><th>Monitoring Frequency</th></tr><tr><td>2130SR011</td><td>Flow Rate and pH</td><td>Daily</td></tr><tr><td>2130SR021</td><td>Flow Rate, pH, and ORP</td><td>Daily</td></tr><tr><td>2130SR040</td><td>Flow Rate and Chemical Oxidizer Titration</td><td>Daily</td></tr><tr><td>2130SR050</td><td>Flow Rate, pH, and ORP</td><td>Daily</td></tr></table> These monitored parameters shall be recorded daily during source operation. The chemical oxidizer percentage shall be measured only for Scrubber 2130SR040 when in operation by titrating a grab sample. Operation and maintenance checks shall be made on at least a weekly basis. Each scrubber

B. LIMITATIONS, MONITORING, AND REPORTING

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td></td><td>shall be in place and operational whenever processes controlled by it are running, except during periods of scrubber malfunction or mechanical failure.

A minimum Flow Rate, pH, ORP and Chemical Oxidizer percentage have been established to ensure proper operation of the pollution control equipment. These minimums for the monitored parameters were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established minimums and supporting documentation for these monitored parameters. These minimums may be updated by completing a new performance test, following submittal of a new performance test plan to the Department.</td></tr>
<tr><td>B.12</td><td>Emission Unit ID: 127, 130, 131, 133, 134, 135, 140, 144, 146, 147, 149
Equipment ID: All

Control Device ID: 1810DC020, 1810DC040, 1930DC010, 1940DC040, 1940DC050, 1960DC010, 1985DC010, 1985DC020, 1940DC060

(S.C. Regulation 61-62.1.70.6(a)(3)) The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each module of each baghouse except for the process and product recovery baghouses. This monitored parameter shall be recorded in accordance with the following frequency:

<table>
<tr><th>Control Device ID</th><th>Monitoring Frequency</th></tr>
<tr><td>1810DC020</td><td>Weekly</td></tr>
<tr><td>1810DC040</td><td>Weekly</td></tr>
<tr><td>1940DC040</td><td>Daily</td></tr>
<tr><td>1940DC050</td><td>Daily</td></tr>
<tr><td>1940DC060</td><td>Daily</td></tr>
<tr><td>1985DC010</td><td>Daily</td></tr>
<tr><td>1960DC010</td><td>Daily</td></tr>
<tr><td>1930DC010</td><td>Daily</td></tr>
<tr><td>1985DC020</td><td>Daily</td></tr>
</table>

Operation and maintenance checks shall be made on at least a weekly basis for baghouse cleaning systems, dust collection hoppers and conveying systems for proper operation. Each baghouse shall</td></tr>
</table>

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	be in place and operational whenever processes controlled by it are running, except during periods of baghouse malfunction or mechanical failure. Operational ranges for the pressure drop have been established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameter were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established ranges and supporting documentation for this monitored parameter. Operating ranges may be updated following submittal to the Department.
B.13	**Emission Unit ID:** 123, 129, 131, 133, 134, 135, 137, 138, 141, 142, 144, 147, 149 **Equipment ID:** 1511CA010, 1940CA010, 1985CA010, 1920CA010, 1940CA050, 1570FD010, 1910SD010, 1940DY080, 1950DY010, 1950DY020, 1950DY030, 1920SD010, 1930DY010, 1985DY010, 1940CA050, 1570FD010, 1940DY080, 1930DY010, 1985DY010 **Control Device ID:** 2130SR011, 2130SR021, 2130SR040, 2130SR050, 2130SR060, 1940SR050, 1940SR070, 1910SR010, 1940DC050, 1950SR020, 1940SR030, 1950SR010, 1920SR010, 1930DC010, 1985DC020, 1940DC050, 1930DC010, 1985DC020 These sources are subject to New Source Performance Standards (NSPS), 40 CFR 60 and S.C. Regulation 61-62.60 Subpart A, General Provisions and Subpart UUU, Subpart UUU Standards of Performance for Calciners and Dryers in Mineral Industries, as applicable. These sources shall comply with all applicable requirements of Subparts A and UUU.
B.14	**Emission Unit ID:** 123, 129, 131, 133, 134, 135, 137, 138, 141, 142, 144, 147, 149 **Equipment ID:** 1511CA010, 1940CA010, 1985CA010, 1920CA010, 1940CA050, 1570FD010, 1910SD010, 1940DY080, 1950DY010, 1950DY020, 1950DY030, 1920SD010, 1930DY010, 1985DY010, 1940CA050, 1570FD010, 1940DY080, 1930DY010, 1985DY010 **Control Device ID:** 2130SR011, 2130SR021, 2130SR040, 2130SR050, 2130SR060, 1940SR050, 1940SR070, 1910SR010, 1940DC050, 1950SR020, 1940SR030, 1950SR010, 1920SR010, 1930DC010, 1985DC020, 1940DC050, 1930DC010, 1985DC020 40CFR60.730 Applicability and designation of affected facility (a) The affected facility to which the provisions of this subpart apply is each calciner and dryer at a mineral processing plant. Feed and product conveyors are not considered part of the affected facility. For the brick and related clay products industry, only the calcining and drying of raw materials prior to firing of the brick are covered. (b) An affected facility that is subject to the provisions of Subpart LL, Metallic Mineral Processing Plants, is not subject to the provisions of this subpart. Also, the following processes and process units

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	used at mineral processing plants are not subject to the provisions of this subpart: vertical shaft kilns in the magnesium compounds industry; the chlorination-oxidation process in the titanium dioxide industry; coating kilns, mixers, and aerators in the roofing granules industry; and tunnel kilns, tunnel dryers, apron dryers, and grinding equipment that also dries the process material used in any of the 17 mineral industries (as defined in §60.731, "Mineral processing plant"). (c) The owner or operator of any facility under paragraph (a) of this section that commences construction, modification, or reconstruction after April 23, 1986, is subject to the requirements of this subpart.
B.15	**Emission Unit ID:** 123, 129, 131, 133, 134, 135, 137, 138, 141, 142, 144, 147, 149 **Equipment ID:** 1511CA010, 1940CA010, 1985CA010, 1920CA010, 1940CA050, 1570FD010, 1910SD010, 1940DY080, 1950DY010, 1950DY020, 1950DY030, 1920SD010, 1930DY010, 1985DY010, 1940CA050, 1570FD010, 1940DY080, 1930DY010, 1985DY010 **Control Device ID:** 2130SR011, 2130SR021, 2130SR040, 2130SR050, 2130SR060, 1940SR050, 1940SR070, 1910SR010, 1940DC050, 1950SR020, 1940SR030, 1950SR010, 1920SR010, 1930DC010, 1985DC020, 1940DC050, 1930DC010, 1985DC020 40CFR60.732 Standards for particulate matter Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by §60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that: (a) Contains particulate matter in excess of 0.092 gram per dry standard cubic meter (g/dscm) [0.040 grain per dry standard cubic foot (gr/dscf)] for calciners and for calciners and dryers installed in series and in excess of 0.057 g/dscm (0.025 gr/dscf) for dryers; and (b) Exhibits greater than 10 percent opacity, unless the emissions are discharged from an affected facility using a wet scrubbing control device.
B.16	**Emission Unit ID:** 123, 129, 131, 133, 134, 135, 137, 138, 141, 142, 144, 147, 149 **Equipment ID:** 1511CA010, 1940CA010, 1985CA010, 1920CA010, 1940CA050, 1570FD010, 1910SD010, 1940DY080, 1950DY010, 1950DY020, 1950DY030, 1920SD010, 1930DY010, 1985DY010, 1940CA050, 1570FD010, 1940DY080, 1930DY010, 1985DY010 **Control Device ID:** 2130SR011, 2130SR021, 2130SR040, 2130SR050, 2130SR060, 1940SR050, 1940SR070, 1910SR010, 1940DC050, 1950SR020, 1940SR030, 1950SR010, 1920SR010, 1930DC010, 1985DC020, 1940DC050, 1930DC010, 1985DC020

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	40CFR60.734 Monitoring of emissions and operations (d) The owner or operator of an affected facility subject to the provisions of this subpart who uses a wet scrubber to comply with the mass emission standard for any affected facility shall install, calibrate, maintain, and operate monitoring devices that continuously measure and record the pressure loss of the gas stream through the scrubber and the scrubbing liquid flow rate to the scrubber. The pressure loss monitoring device must be certified by the manufacturer to be accurate within 5 percent of water column gauge pressure at the level of operation. The liquid flow rate monitoring device must be certified by the manufacturer to be accurate within 5 percent of design scrubbing liquid flow rate.
B.17	**Emission Unit ID:** 123, 129, 131, 133, 134, 135, 137, 138, 141, 142, 144, 147, 149 **Equipment ID:** 1511CA010, 1940CA010, 1985CA010, 1920CA010, 1940CA050, 1570FD010, 1910SD010, 1940DY080, 1950DY010, 1950DY020, 1950DY030, 1920SD010, 1930DY010, 1985DY010, 1940CA050, 1570FD010, 1940DY080, 1930DY010, 1985DY010 **Control Device ID:** 2130SR011, 2130SR021, 2130SR040, 2130SR050, 2130SR060, 1940SR050, 1940SR070, 1910SR010, 1940DC050, 1950SR020, 1940SR030, 1950SR010, 1920SR010, 1930DC010, 1985DC020, 1940DC050, 1930DC010, 1985DC020 40CFR60.735 Recordkeeping and reporting requirements (a) Records of the measurements required in §60.734 of this subpart shall be retained for at least 2 years. (b) Each owner or operator who uses a wet scrubber to comply with § 60.732 shall determine and record once each day, from the recordings of the monitoring devices in § 60.734(d), an arithmetic average over a 2-hour period of both the change in pressure of the gas stream across the scrubber and the flowrate of the scrubbing liquid. (c) Each owner or operator shall submit written reports semiannually of exceedances of control device operating parameters required to be monitored by §60.734 of this subpart. For the purpose of these reports, exceedances are defined as follows: (c)(2) Any daily 2-hour average of the wet scrubber pressure drop determined as described in § 60.735(b) that is less than 90 percent of the average value recorded according to §60.736(c) during the most recent performance test that demonstrated compliance with the particulate matter standard; (except for 1940SR030 and 1940SR050 which are packed bed scrubbers); or (c)(3) Each daily wet scrubber liquid flow rate recorded as described in § 60.735(b) that is less than 80 percent or greater than 120 percent of the average value recorded according to § 60.736(c) during

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	the most recent performance test that demonstrated compliance with the particulate matter standard. (d) The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Clean Air Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected facilities within the State will be relieved of the obligation to comply with this section provided that they comply with the requirements established by the State.
B.18	**Emission Unit ID:** 149 **Equipment ID:** 1940CA050 **Control Device ID:** 1940AB020 To meet the requirements of 40 CFR 64 for the Beta Calciner Thermal Oxidizer 1940AB020 of Emission Unit No. 149, the indicator for VOC shall be Combustion Chamber Outlet Temperature. The owner or operator shall continue to operate, and maintain a temperature measuring instrument at the appropriate monitoring location as the measurement approach. Temperature shall be used to provide assurance of compliance. The Beta Calciner Thermal Oxidizer shall be in place and operational whenever processes controlled by it are running, except during periods of malfunction or mechanical failure. The operational temperature shall be greater than 1,440^{o}F. This operational temperature was derived from data, which demonstrate a reasonable assurance of compliance. Temperature readings shall be recorded every fifteen (15) minutes. QA/QC practices, etc. shall consist of following the manufacturer recommendations which includes an annual calibration of the thermocouple. An excursion is defined as any operating condition where the temperature is any 1 hour average temperature less than 1,440^{o}F. Upon detecting an excursion, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing any startup, shutdown or malfunction period and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion (other than those caused by excused startup and shutdown conditions). The owner or operator shall develop, implement, and maintain a Quality Improvement Plan (QIP) as specified in 40 CFR 64.8, when a pollutant-specific emission unit has accumulated exceedances or excursions exceeding 5 percent duration of the unit's operating time for a reporting period, or when instructed to do so by the Department pursuant to 40 CFR 64.7(d)(2). A semiannual report for monitoring shall include, at a minimum, the information required under S.C.

B. LIMITATIONS, MONITORING, AND REPORTING

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td></td><td>Regulation 61-70.6(a)(3)(iii) and the following information as applicable:

• Summary information of the number, duration, and cause (including unknown cause, if applicable) of excursions, as applicable, and the corrective actions taken;

• Summary information on the number, duration, and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable);

• If applicable, a description of the actions taken to implement a Quality Improvement Plan (QIP) during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions occurring.

The owner or operator shall maintain records of monitoring data, monitor performance data, corrective action, and quality improvement plans. The records shall include calculations of the percent duration of accumulated exceedances or excursions during the reporting period per pollutant-specific emission unit, updated monthly.</td></tr>
<tr><td>B.19</td><td>Emission Unit ID: 140, 146, 148, 149
Equipment ID: All
Control Device ID: All

(S.C. Regulation 61-62.1, Section II(E) (PSD Avoidance)) Process emissions are limited to the following:

<table>
<tr><th>Emission Unit</th><th>Process</th><th>Pollutant</th><th>Limit</th></tr>
<tr><td>140</td><td>S Building Old Scrubber (19 -12) (Stack ID 1924)</td><td>VOC</td><td>40 tpy</td></tr>
<tr><td>146</td><td>S-Building New Scrubber (19-19)</td><td>VOC</td><td>40 tpy</td></tr>
<tr><td>148</td><td>Zeolite Area (D-Line) (19-21)</td><td>VOC</td><td>40 tpy</td></tr>
<tr><td>149</td><td>Beta Rotary Calciner (19-25)</td><td>CO</td><td>100 tpy</td></tr>
<tr><td>149</td><td>Beta Rotary Calciner (19-25)</td><td>VOC</td><td>40 tpy</td></tr>
</table>

The owner/operator shall maintain records of all volatile organic compounds (VOC). These records shall include the total amount of each material used, the VOC content in percent by weight of each material and any other records necessary to determine VOC emissions. VOC emissions shall be calculated on a monthly basis, and a twelve-month rolling sum shall be calculated for total VOC emissions. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve-month rolling sum shall be less than 40 tons. Reports of the calculated values</td></tr>
</table>

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually. The owner/operator shall maintain production records and any other records necessary to determine process CO emissions. CO emissions shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total CO emissions. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve month rolling sum shall be less than 100 tons for CO emissions. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually. The algorithms, explaining the method used to determine emission rates, are provided below. The results of these algorithms are used to calculate the monthly and twelve-month rolling sum. Subsequent submittals of the algorithm are required within 30 days of the change if the basis for emissions is modified or the Department requests additional information. <u>Process Emissions using Factor from Stack Test Results</u> Factor (lb/hr) x Operating Hours (hr) Factor (lb/lb feed) x Feed (kg/month) x 2.2046 lb/kg Factor (lb/hr) x Operating Time (hr/month) <u>Batch Process Emissions using Factor from Stack Test Results</u> Factor (lb/batch) x Batches (batch/month) <u>Combustion Emissions using AP-42 Factors</u> Factor (lb/mmBtu) x Heat Input Rating (mmBtu/hr) x Operating Hours (hr) Factor (lb/mmscf) x Heat Input Rating (mmBtu/hr) x Heat Content (mmscf/mmBtu) x Operating Hours (hr)
B.20	**Emission Unit ID:** All **Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.1, Section II(E)) This facility has established federally enforceable emissions limitations to limit its potential to emit to less than 10.0 tons per year for any single HAP emission and 25.0 tons per year for any combination of HAP emissions to avoid MACT. The owner or operator shall maintain records of all hazardous air pollutants (HAP). These records shall include the total amount of each material used, the HAP content in percent by weight of each material, and any other records necessary to determine HAP emissions. HAP emissions shall be calculated on a monthly basis, and a twelve-month rolling sum shall be calculated for individual HAP and total HAP emissions. Facility-wide emission totals must include emissions from insignificant activities. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve-month rolling sum shall be less than 10 tons for individual hap and 25 tons for total HAP.

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually. The algorithms, explaining the method used to determine emission rates, are provided below. The results of these algorithms are used to calculate the monthly and twelve-month rolling sum. Subsequent submittals of the algorithm are required within 30 days of the change if the basis for emissions is modified or the Department requests additional information. <u>Process Emissions using Factor from Stack Test Results</u> Factor (lb/hr) x Operating Hours (hr) Factor (lb/lb feed) x Feed (kg/month) x 2.2046 lb/kg Factor (lb/hr) x Operating Time (hr/month) <u>Batch Process Emissions using Factor from Stack Test Results</u> Factor (lb/batch) x Batches (batch/month) <u>Combustion Emissions using AP-42 Factors</u> Factor (lb/mmBtu) x Heat Input Rating (mmBtu/hr) x Operating Hours (hr) Factor (lb/mmscf) x Heat Input Rating (mmBtu/hr) x Heat Content (mmscf/mmBtu) x Operating Hours (hr)
B.21	**Emission Unit ID:** All **Equipment ID:** All **Control Device ID:** All (S.C. Regulation 62.5, Standard No.7(r)(6)(iii)) The owner/operator shall maintain production rate records, fuel usage records, and any other records necessary to determine Lead emissions. All emissions shall be calculated on an annual basis, in tons per year on a calendar year basis, for a period of five years. If the annual emissions exceed the baseline actual emissions established within the construction permit application for this project by a significant amount (as defined in S.C. Regulation 62.5, Standard No.7 (b) (49)) for any regulated NSR pollutant, the owner/operator shall submit a report to the Department within 60 days after the end of such year. The report shall contain the following: 1. The facility's name, address, and telephone number; 2. The annual emissions as calculated pursuant to S.C. Regulation 62.5, Standard No. 7 (r)(6)(iii); and Any other information needed to make a compliance determination (*e.g.*, an explanation as to why the emissions differ from the preconstruction projection).

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
B.22	**Emission Unit ID:** 141 **Equipment ID:** 1920HR010 **Control Device ID:** 1920SR010 (S.C. Regulation 61-62.5, Standard No. 5.2, Section III)The allowable discharge of NO_X resulting from this source is 0.045 lb/Million Btu. (S.C. Regulation 61-62.5, Standard No. 5.2, Section VII) The owner or operator shall perform tune-ups every twenty-four (24) months in accordance with manufacturer's specifications or with good engineering practices. The first tune-up shall be conducted no more than twenty-four (24) months from replacement of a burner assembly for affected existing sources. Each subsequent tune-up shall be conducted no more than twenty-four (24) months after the previous tune-up. All tune-up records are required to be maintained on site and available for inspection by the Department for a period of five (5) years from the date generated. The owner or operator shall develop and retain a tune-up plan on file.
B.23	**Emission Unit ID:** 151 **Equipment ID:** 3240TK040, 3240TK050 40CFR60.110b Applicability and designation of affected facility. (a) Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 75 cubic meters (m^3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984. (b) This subpart does not apply to storage vessels with a capacity greater than or equal to 151 m^3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m^3 but less than 151 m^3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
B.24	**Emission Unit ID:** 151 **Equipment ID:** 3240TK040, 3240TK050 40CFR60.116b Monitoring of operations (a) The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source. (b) The owner or operator of each storage vessel as specified in §60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	of the storage vessel.

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
C.1	(40 CFR §61.04(b); 40 CFR §63.9(a)(4)(ii) and §63.10(a)(4)(ii)) All NESHAP notifications and reports shall be sent to the Department. Electronic submission of notifications or reports to the United States Environmental Protection Agency (US EPA) via CEDRI (Compliance and Emissions Data Reporting Interface) shall serve as the submission to the Department. CEDRI can be accessed through the EPA's Central Data Exchange (CDX).
C.2	(40 CFR §61.04(b); 40 CFR §63.9(a)(4)(ii) and §63.10(a)(4)(ii)) All NESHAP notifications and reports requiring electronic submission to US EPA shall be submitted to EPA via CEDRI. Notifications and reports for specific NESHAP subparts not yet requiring electronic submission may also be submitted via CEDRI. Notifications and the accompanying cover letter for periodic reports not submitted via CEDRI shall be sent to the US EPA Region 4 Air and Radiation Division as required by the applicable subpart.
C.3	Emergency engines less than or equal to 150 kilowatt (kW) rated capacity, emergency engines greater than 150 kW rated capacity designated for emergency use only and operated a total of 500 hours per year or less for testing and maintenance and have a method to record the actual hours of use, such as an hour meter, and diesel engine driven emergency fire pumps that are operated a total of 500 hours per year or less for testing and maintenance and have a method to record the actual hours of use, such as an hour meter, have been determined to be exempt from construction permitting requirements in accordance with S.C. Regulation 61-62.1. (40 CFR 60; 40 CFR 63) If present, these sources shall still comply with the requirements of all applicable regulations, including but not limited to the following: New Source Performance Standards (NSPS) 40 CFR 60 Subpart A (General Provisions); NSPS 40 CFR 60 Subpart IIII (Stationary Compression Ignition Internal Combustion Engines); NSPS 40 CFR 60 Subpart JJJJ (Stationary Spark Ignition Internal Combustion Engines); National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart A (General Provisions); and NESHAP 40 CFR 63 Subpart ZZZZ (Stationary Reciprocating Internal Combustion Engines).

D. GENERAL FACILITY WIDE	
Condition Number	**Conditions**
D.1	The owner or operator shall comply with S.C. Regulation 61-62.2, Prohibition of Open Burning.
D.2	The owner or operator shall comply with S.C. Regulation 61-62.3, Air Pollution Episodes.

D. GENERAL FACILITY WIDE	
Condition Number	**Conditions**
D.3	The owner or operator shall comply with S.C. Regulation 61-62.4, Hazardous Air Pollution Conditions.
D.4	The owner or operator shall comply with S.C. Regulation 61-62.6, Control of Fugitive Particulate Matter, Section III Control of Fugitive Particulate Matter Statewide.
D.5	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145 and S.C. Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
D.6	The owner or operator shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the owner or operator performs a service on motor vehicles (fleet) that involves ozone-depleting substance refrigerant in MVACs, the owner or operator is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs.
D.7	(S.C. Regulation 61-62.70.6(a)(5)) The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
D.8	(S.C. Regulation 61-62.70.6(a)(6)(i)) The owner or operator must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the S.C. Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal application.
D.9	(S.C. Regulation 61-62.70.6(a)(6)(ii)) It shall not be a defense for an owner or operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
D.10	(S.C. Regulation 61-62.70.6(a)(6)(iii)) The permit may be modified, revoked, reopened and reissued, or terminated for cause by the Department. The filing of a request by the owner or operator for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
D.11	(S.C. Regulation 61-62.70.6(a)(6)(iv)) The permit does not convey any property rights of any sort, or any exclusive privilege.
D.12	(S.C. Regulation 61-62.70.6(a)(6)(v)) The owner or operator shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the owner or operator shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the owner or operator may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the owner or operator furnish such records directly to the Administrator along with a claim of confidentiality.
D.13	(S.C. Regulation 61-62.70.6(a)(8)) No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
D.14	(S.C. Regulation 61-62.70.6(c)(2)) Upon presentation of credentials and other documents as may be

D. GENERAL FACILITY WIDE	
Condition Number	**Conditions**
	required by law, the owner or operator shall allow the Department or an authorized representative to perform the following: 1. Enter upon the owner or operator's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit. 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. 3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit. 4. As authorized by the Act and/or the S.C. Pollution Control Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
D.15	(S.C. Regulation 61-62.70.6(g)) In the case of an emergency, as defined in S.C. Regulation 61-62.70.6(g)(1), the owner or operator shall demonstrate an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: 1. An emergency occurred and that the owner or operator can identify the cause(s) of the emergency; 2. The permitted facility was at the time being properly operated; and 3. During the period of the emergency the owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and 4. The owner or operator shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of S.C. Regulation 61-62.70.6(a)(3)(iii)(B). This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the owner or operator seeking to establish the occurrence of an emergency has the burden of proof.
D.16	(S.C. Regulation 61-62.70.6(a)(1)(ii)) Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator.
D.17	(S.C. Regulation 61-62.70.6(a)(4)) The owner or operator is prohibited from emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense to

D. GENERAL FACILITY WIDE	
Condition Number	**Conditions**
	noncompliance with any other applicable requirement. Any such allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.
D.18	(S.C. Regulation 61-62.70.7(c)(1)(ii)) Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with S.C. Regulation 61-62.70.5(a)(1)(iii), 62.70.5(a)(2)(iv), and 62.70.7(b). In this case, the permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the permit including any permit shield that may be granted pursuant to S.C. Regulation 61-62.70.6(f) shall remain in effect until the renewal permit has been issued or denied.
D.19	(S.C. Regulation 61-62.70.7) Requests for permit modification and amendments shall be submitted on the appropriate Department approved Title V Modification Form(s).
D.20	(S.C. Regulation 61-62.70.6(a)(7)) The owners or operators of Part 70 sources shall pay fees to the Department consistent with the fee schedule approved pursuant to S.C. Regulation 61-62.70.9; and in accordance with S.C. Regulation 61-30, Environmental Protection Fees. Failure to pay applicable fee can be considered grounds for permit revocation.
D.21	(S.C. Regulation 61-62.1, Section III) The owners or operators of Part 70 sources shall complete and submit a new updated emissions inventory consistent with the schedule approved pursuant to S.C. Regulation 61-62.1, Section III. These reports shall be submitted to the Department. This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.
D.22	This permit expressly incorporates insignificant activities. Emissions from insignificant activities shall be included in the emissions inventory submittals as required by S.C. Regulation 61-62.1, Section III(B)(2)(g).
D.23	(S.C. Regulation 61-62.1, Section II(J)(1)(a)) No applicable law, regulation, or standard will be contravened.
D.24	(S.C. Regulation 61-62.1, Section II(J)(1)(e)) Any owner or operator who constructs or operates a source or modification not in accordance with the application submitted pursuant to S.C. Regulation 61-62.1 or with the terms of any approval to construct, or who commences construction after the effective date of S.C. Regulation 61-62.1 without applying for and receiving approval hereunder, shall be subject to enforcement action.

E. GENERAL RECORD KEEPING AND REPORTING	
Condition Number	**Conditions**
E.1	(S.C. Regulation 61-62.1, Section II(J)(1)(g)) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate

E. GENERAL RECORD KEEPING AND REPORTING	
Condition Number	**Conditions**
	compliance with the limits established under this permit shall be maintained on site for a period of at least five (5) years from the date the record was generated and shall be made available to a Department representative upon request.
E.2	(S.C. Regulation 61-62.70.6(a)(3)(iii)(A)) The owner or operator shall submit reports required in this permit in a timely manner and according to the reporting schedule that has previously been established through the Department's approved electronic permitting system. All required reports must be certified by a responsible official consistent with S.C. Regulation 61-62.70.5(d).
E.3	(S.C. Regulation 61-62.70.6(a)(3)(iii)) All reports and notifications required under this permit shall be submitted to the Department.
E.4	(S.C. Regulation 61-62.70.6(c)(5)(iv)) All Title V Annual Compliance Certifications shall be sent to the US EPA, Region 4, Air Enforcement Branch and to the Department. These reports can be submitted electronically to EPA through CEDRI.
E.5	(S.C. Regulation 61-62.70.6(a)(3)(ii)) The owner or operator shall comply, where applicable, with the following monitoring/support information collection and retention record keeping requirements: 1. Records of required monitoring information shall include the following: a. The date, place as defined in the permit, and time of sampling or measurements; b. The date(s) analyses were performed; c. The company or entity that performed the analyses; d. The analytical techniques or methods used; e. The results of such analyses; and f. The operating conditions as existing at the time of sampling or measurement; 2. Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
E.6	(S.C. Regulation 61-62.1, Section II(J)(1)(c)) For sources not required to have continuous emission monitors, any malfunction of air pollution control equipment or system, process upset, or other equipment failure which results in discharges of air contaminants lasting for one (1) hour or more and which are greater than those discharges described for normal operation in the permit application, shall be reported to the Department within twenty-four (24) hours after the beginning of the occurrence and a written report shall be submitted to the Department within thirty (30) days. The written report shall include, at a minimum, the following: 1. The identity of the stack and/or emission point where the excess emissions occurred; 2. The magnitude of excess emissions expressed in the units of the applicable emission limitation

E. GENERAL RECORD KEEPING AND REPORTING	
Condition Number	**Conditions**
	and the operating data and calculations used in determining the excess emissions; 3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction; 7. The steps taken to limit the excess emissions; and, 8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions. The initial twenty-four (24) hour notification should be made to the Department's local Regional Office. The written report should be sent to the Department.
E.7	(S.C. Regulation 61-62.70.6(c)(5)(iii)) The responsible official shall certify annually, compliance with the conditions of this permit as required under S.C. Regulation 61-62.70.6(c). The compliance certification shall include the following: 1. The identification of each term or condition of the permit that is the basis of the certification. 2. The identification of the method(s) or means used by the owner or operator for determining the compliance status with each term and condition of the permit during the certification period. 3. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in S.C. Regulation 61-62.70.6(c)(5)(iii)(B). The certification shall identify each deviation and take it into account in the compliance certification. 4. Such other facts as the Department may require to determine the compliance status of the source.
E.8	(S.C. Regulation 61-62.1, Section II(M)) Within thirty (30) days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner or operator shall submit to the Department a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the facility name and mailing address; the name, mailing address, and telephone number of the owner or operator for the facility; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.

F. INSIGNIFICANT ACTIVITIES

Condition Number	Conditions
F.1	The facility may install, remove, and modify insignificant activities as defined in S.C. Regulation 61-62.70.5(c), without revising or reopening the Title V Operating Permit. A list of insignificant activities/exempt sources must be maintained on site, along with any necessary documentation to support the determination that the activity is insignificant and shall be made available to a Department representative upon request. The list shall be submitted with the next renewal application.

G. PERMIT SHIELD

Condition Number	Conditions
G.1	(S.C. Regulation 61-62.70.6(f)) A copy of the "applicability determination" submitted with the Part 70 permit application is included as Applicable and Non-Applicable Federal and State Regulations. With the exception of those listed below, compliance with the terms and conditions of this permit shall be deemed compliance with the applicable requirements specified in Applicable and Non-Applicable Federal and State Regulations as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in the permit. The owner or operator shall also be shielded from the non-applicable requirements specified in Applicable and Non-Applicable Federal and State Regulations. Exceptions to this are stated below in the Permit Shield Exceptions Table. This permit shield does not extend to applicable requirements which are promulgated after permit issuance, unless the permit has been appropriately modified to reflect such new requirements. Nothing in the permit shield or in any Part 70 permit shall alter or affect the provisions of Section 303 of the Act, Emergency Orders of the Clean Air Act; the liability of the owner or operator for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the Acid Rain Program, consistent with Section 408(a) of the Clean Air Act; or the ability of US EPA to obtain information from a source pursuant to Section 114 of the Clean Air Act. In addition, the permit shield shall not apply to emission units in noncompliance at the time of permit issuance, minor permit modifications (S.C. Regulation 61-62.70.7(e)(2)), group processing of minor permit modifications (S.C. Regulation 61-62.70.7(e)(3)), or operational flexibility (S.C. Regulation 61-62.70.7(e)(5)(i)), except as specified in S.C. Regulation 61-62.70.7(e)(5)(iii).

Permit Shield Exceptions
SC Regulation 61-62.1 – Definitions and General Requirements
SC Regulation 61-62.3 – Air Pollution Episodes
SC Regulation 61-62.5, Std. No. 5.1 – LAER Applicable to VOCs
S.C. Regulation 61.62.5 Standard No.6 - Alternative Emission Limitation Options

Permit Shield Exceptions
SC Regulation 61-62.5, Standard 7 - Prevention of Significant Deterioration
SC Regulation 61-62.5, Standard 7.1 - Nonattainment New Source Review
SC Regulation 61-62.63 - NESHAPs MACT Standards (Subpart A –HHHHHHH)
40 CFR 61, Subpart M - National Emission Standard for Asbestos
40 CFR 82 Subpart A - Production and Consumption Controls
40 CFR 82 Subpart B - Servicing of Motor Vehicle Air Conditioners
40 CFR 82 Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances
40 CFR 82 Subpart D - Federal Procurement
40 CFR 82 Subpart E - The Labeling of Products Using Ozone-Depleting Substances
40 CFR 82 Subpart F - Recycling and Emissions Reduction
40 CFR 82 Subpart G - Significant New Alternatives Policy Program
40 CFR 82 Subpart H - Halon Emissions Reduction
40 CFR 82 Subpart I - Ban on Refrigeration and Air-Conditioning Appliances Containing HCFCs

H. AMBIENT AIR STANDARDS

Condition Number	Conditions
H.1	(S.C. Regulation 61-62.1, Section II(J)(2)) Air dispersion modeling (or other method) has previously demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded. The owner or operator shall maintain this facility at or below the emission rates used in the most recent air dispersion modeling (or other method) demonstration submitted to and approved by the Department, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates used in the demonstration, not to exceed the pollutant limitations in the body of this permit, it may do so by submitting a new demonstration for approval. This condition along with

H. AMBIENT AIR STANDARDS

Condition Number	Conditions
	the referenced modeling demonstration will also serve to meet the intent of S.C. Regulation 61-62.5, Standard No. 8, Section II(D). This is a State Only enforceable requirement.

I. COMPLIANCE SCHEDULE - RESERVED

Applicable and Non-Applicable Federal and State Regulations

BASF Corporation Seneca Site
TV-1820-0033 v1.3

The following contains the Federal and South Carolina air pollution regulations and their applicability, as specified in the Part 70 permit application.

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
SC Reg 61-62.1	Definitions and General Requirements	X	
SC Reg 61-62.2	Prohibition of Open Burning	X	
SC Reg 61-62.3	Air Pollution Episodes		X
SC Reg 61-62.4	Hazardous Air Pollution Conditions	X	
SC Reg 61-62.5, Std. No. 1	Emissions from Fuel Burning Operations		X
SC Reg 61-62.5, Std. No. 2	Ambient Air Quality Standards	X	
SC Reg 61-62.5, Std. No. 3	Waste Combustion and Reduction	X	
SC Reg 61-62.5, Std. No. 3.1	Hospital, Medical, Infectious Waste Incinerators (HMIWI)		X
SC Reg 61-62.5, Std. No. 4	Emissions from Process Industries	X	
SC Reg 61-62.5, Std. No. 5	Volatile Organic Compounds		X
SC Reg 61-62.5, Std. No. 5.1	LAER Applicable to VOCs	X	
SC Reg 61-62.5, Std. No. 5.2	Control of Oxides of Nitrogen (NOx)	X	
SC Reg 61-62.5, Std. No. 6	Alternative Emission Limitation Options		X
SC Reg 61-62.5, Std. No. 7	Prevention of Significant Deterioration	X	
SC Reg 61-62.5, Std. No. 7.1	Nonattainment New Source Review		X
SC Reg 61-62.5, Std. No. 8	Toxic Air Pollutants	X	
SC Reg 61-62.6	Control of Fugitive Particulate Matter	X	
SC Reg 61-62.7	Good Engineering Practice Stack Height	X	
SC Reg 61-62.60	NSPS Standards (Subpart A-OOOO)	X	
SC Reg 61-62.63	NESHAPs MACT Standards (Subpart A –HHHHHHH)	X	
SC Reg 61-62.68	Chemical Accident Prevention Provisions		X
SC Reg 61-62.70	Title V Operating Permit Program	X	
SC Reg 61-62.72	Acid Rain		X
SC Reg 61-62.96	NO_x Budget Trading Program		X
SC Reg 61-62.99	NO_x Budget Trading Program Requirements for Stationary Sources Not in the Trading Program		X
40 CFR 60 subpart A	General Provisions	X	
40 CFR 60 subpart B	Adoption and Submittal of State Plans for Designated Facilities		X
40 CFR 60 subpart C	Emission Guidelines and Compliance Times		X
40 CFR 60 subpart Ca	Emissions Guidelines and Compliance Times for Municipal Waste Combustors		X
40 CFR 60 subpart Cb	Emissions Guidelines and Compliance Times for Large Municipal Waste Combustors that are Constructed on or Before September 20, 1994		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 60 subpart Cc	Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills		X
40 CFR 60 subpart Cd	Emissions Guidelines and Compliance Times for Sulfuric Acid Production Units		X
40 CFR 60 subpart Ce	Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators		X
40 CFR 60 subpart Cf	Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills		X
40 CFR 60 subpart D	Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971		X
40 CFR 60 subpart Da	Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978		X
40 CFR 60 subpart Db	Industrial-Commercial-Institutional Steam Generating Units		X
40 CFR 60 subpart Dc	Small Industrial-Commercial-Institutional Steam Generating Units		X
40 CFR 60 subpart E	Incinerators		X
40 CFR 60 subpart Ea	Municipal Waste Combustors for Which Construction is Commenced After December 20, 1989 and on or Before September 20, 1994		X
40 CFR 60 subpart Eb	Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification or Reconstruction is Commenced After June 19, 1996		X
40 CFR 60 subpart Ec	Hospital/Medical/Infectious Waste Incinerators for Which Construction is Commenced After June 20,1996		X
40 CFR 60 subpart F	Portland Cement Plants		X
40 CFR 60 subpart G	Nitric Acid Plants		X
40 CFR 60 subpart H	Sulfuric Acid Plants		X
40 CFR 60 subpart I	Hot Mix Asphalt Facilities		X
40 CFR 60 subpart J	Petroleum Refineries		X
40 CFR 60 subpart K	Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978		X
40 CFR 60 subpart Ka	Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 60 subpart Kb	Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984		X
40 CFR 60 subpart L	Secondary Lead Smelters		X
40 CFR 60 subpart M	Secondary Brass and Bronze Production Plants		X
40 CFR 60 subpart N	Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced After June 11,1973		X
40 CFR 60 subpart Na	Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20,1983		X
40 CFR 60 subpart O	Sewage Treatment Plants		X
40 CFR 60 subpart P	Primary Copper Smelters		X
40 CFR 60 subpart Q	Primary Zinc Smelters		X
40 CFR 60 subpart R	Primary Lead Smelters		X
40 CFR 60 subpart S	Primary Aluminum Reduction Plants		X
40 CFR 60 subpart T	Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plants		X
40 CFR 60 subpart U	Phosphate Fertilizer Industry: Super Phosphoric Acid Plants		X
40 CFR 60 subpart V	Phosphate Fertilizer Industry: Diammonium Phosphate Plants		X
40 CFR 60 subpart W	Phosphate Fertilizer Industry: Triple Superphosphate Plants		X
40 CFR 60 subpart X	Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities		X
40 CFR 60 subpart Y	Coal Preparation Plants		X
40 CFR 60 subpart Z	Ferroalloy Production Facilities		X
40 CFR 60 subpart AA	Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 and on or Before August 17, 1983		X
40 CFR 60 subpart AAa	Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983		X
40 CFR 60 subpart BB	Kraft Pulp Mills		X
40 CFR 60 subpart CC	Glass Manufacturing Plants		X
40 CFR 60 subpart DD	Grain Elevators		X
40 CFR 60 subpart EE	Surface Coating of Metal Furniture		X
40 CFR 60 subpart FF	Reserved		X
40 CFR 60 subpart GG	Stationary Gas Turbines		X
40 CFR 60 subpart HH	Lime Manufacturing Plants		X
40 CFR 60 subpart KK	Lead-Acid Battery Manufacturing Plants		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 60 subpart LL	Metallic Mineral Processing Plants		X
40 CFR 60 subpart MM	Automobile and Light Duty Truck Surface Coating Operations		X
40 CFR 60 subpart NN	Phosphate Rock Plants		X
40 CFR 60 subpart PP	Ammonium Sulfate Manufacture		X
40 CFR 60 subpart QQ	Graphic Arts Industry: Publication Rotogravure Printing		X
40 CFR 60 subpart RR	Pressure Sensitive Tape and Label Surface Coating Operations		X
40 CFR 60 subpart SS	Industrial Surface Coating: Large Appliances		X
40 CFR 60 subpart TT	Metal Coil Surface Coating		X
40 CFR 60 subpart UU	Asphalt Processing and Asphalt Roofing Manufacture		X
40 CFR 60 subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Mfg. Industry		X
40 CFR 60 subpart WW	Beverage Can Surface Coating Industry		X
40 CFR 60 subpart XX	Bulk Gasoline Terminals		X
40 CFR 60 subpart AAA	New Residential Wood Heaters		X
40 CFR 60 subpart BBB	Rubber Tire Manufacturing Industry		X
40 CFR 60 subpart CCC	Reserved		X
40 CFR 60 subpart DDD	Volatile Organic Compound Emissions from the Polymer Manufacturing Industry		X
40 CFR 60 subpart EEE	Reserved		X
40 CFR 60 subpart FFF	Flexible Vinyl and Urethane Coating and Printing		X
40 CFR 60 subpart GGG	Equipment Leaks of VOC in Petroleum Refineries		X
40 CFR 60 Subpart GGGa	Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After November 7, 2006		X
40 CFR 60 subpart HHH	Synthetic Fiber Production Facilities		X
40 CFR 60 subpart III	Volatile Organic Compound Emissions from the Synthetic Organic Chemical Manufacturing Industry Air Oxidation Unit Processes		X
40 CFR 60 subpart JJJ	Petroleum Dry Cleaners		X
40 CFR 60 subpart KKK	Equipment Leaks of VOC from Onshore Natural Gas Processing Plants		X
40 CFR 60 subpart LLL	Onshore Natural Gas Processing: SO_2 Emissions		X
40 CFR 60 subpart MMM	Reserved		X
40 CFR 60 subpart NNN	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations		X
40 CFR 60 subpart OOO	Nonmetallic Mineral Processing Plants		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 60 subpart PPP	Wool Fiberglass Insulation Manufacturing Plants		X
40 CFR 60 subpart QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems		X
40 CFR 60 subpart RRR	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes		X
40 CFR 60 subpart SSS	Magnetic Tape Coating Facilities		X
40 CFR 60 subpart TTT	Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines		X
40 CFR 60 subpart UUU	Calciners and Dryers in Mineral Industries	X	
40 CFR 60 subpart VVV	Polymeric Coating of Supporting Substrates Facilities		X
40 CFR 60 subpart WWW	Municipal Solid Waste Landfills		X
40 CFR 60 subpart XXX	Municipal Solid Waste Landfills that Commenced Construction, Reconstruction, or Modification After July 17, 2014		X
40 CFR 60 subpart YYY-ZZZ	Reserved		X
40 CFR 60 subpart AAAA	Small Municipal Waste Combustion Units After August 30, 1999 or for Which Modification or Reconstruction is Commenced After June 6, 2001		X
40 CFR 60 subpart BBBB	Emission Guidelines and Compliance Times for Small Municipal Waste Constructed on or Before August 30, 1999		X
40 CFR 60 subpart CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units That Commenced Construction after June 4, 2010 or Commenced Reconstruction or Modification after August 7, 2013		X
40 CFR 60 subpart DDDD	Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units that Commenced Construction on or Before November 30, 1999 of Modification or Reconstruction after June 1, 2001		X
40 CFR 60 subpart EEEE	Other Solid Waste Incineration Units for Which Construction is Commenced After December 9, 2004, or for Which Modification or Reconstruction is Commenced on or After June 16, 2006		X
40 CFR 60 subpart FFFF	Emission Guidelines and Compliance Times for Other Solid Waste Incineration Units that Commenced Construction on or Before December 9, 2004		X
40 CFR 60 subpart GGGG-HHHH	Reserved		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 60 subpart IIII	Stationary Compression Ignition Internal Combustion Engines		X
40 CFR 60 subpart JJJJ	Stationary Spark Ignition Internal Combustion Engines		X
40 CFR 60 subpart KKKK	Stationary Combustion Turbines		X
40 CFR 60 subpart LLLL	New Sewage Sludge Incineration Units		X
40 CFR 60 subpart MMMM	Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units		X
40 CFR 60 subpart NNNN	Reserved		X
40 CFR 60 subpart OOOO, OOOOa	Crude Oil and Natural Gas Production, Transmission and Distribution		X
40 CFR 60 subpart PPPP	Reserved		X
40 CFR 60 subpart QQQQ	New Residential Hydronic Heaters and Forced-Air Furnaces		X
40 CFR 60 subpart TTTT	Greenhouse Gas Emissions for Electric Generating Units		X
40 CFR 60 subpart UUUU	Emission Guidelines for Greenhouse Gas Emissions and Compliance Times for Electric Generating Units		X
40 CFR 61 subpart A	General Provisions		X
40 CFR 61 subpart B	Radon Emissions from Underground Uranium Mines		X
40 CFR 61 subpart C	Beryllium		X
40 CFR 61 subpart D	Beryllium Rocket Motor Firing		X
40 CFR 61 subpart E	Mercury		X
40 CFR 61 subpart F	Vinyl chloride		X
40 CFR 61 subpart H	Radionuclides Other Than Radon from Department of Energy Facilities		X
40 CFR 61 subpart I	Radionuclide Emissions from Facilities Licensed by the Nuclear Regulatory Commission and Federal Facilities Not covered by Subpart H		X
40 CFR 61 subpart J	Equipment Leaks (Fugitive Emission Source) of Benzene		X
40 CFR 61 subpart K	Radionuclide Emissions from Elemental Phosphorus Plants		X
40 CFR 61 subpart L	Benzene Emissions from Coke By-Product Recovery Plants		X
40 CFR 61 subpart M	Asbestos		X
40 CFR 61 subpart N	Inorganic Arsenic Emissions from Glass Manufacturing Plants		X
40 CFR 61 subpart O	Inorganic Arsenic Emissions from Primary Copper Smelters		X
40 CFR 61 subpart P	Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities		X
40 CFR 61 subpart Q	Radon Emissions from Department of Energy Facilities		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 61 subpart R	Radon Emissions from Phosphogypsum Stacks		X
40 CFR 61 subpart S	Reserved		X
40 CFR 61 subpart T	Radon Emissions from the Disposal of Uranium Mill Tailings		X
40 CFR 61 subpart U	Reserved		X
40 CFR 61 subpart V	Equipment Leaks (Fugitive Emission Sources)		X
40 CFR 61 subpart W	Radon Emissions from Operating Mill Tailings		X
40 CFR 61 subpart X	Reserved		X
40 CFR 61 subpart Y	Benzene Emissions from Benzene Storage Vessels		X
40 CFR 61 subpart Z	Reserved		X
40 CFR 61 subpart AA	Reserved		X
40 CFR 61 subpart BB	Benzene Emissions from Benzene Transfer Operations		X
40 CFR 61 subpart CC – EE	Reserved		X
40 CFR 61 subpart FF	Benzene Waste Operations		X
40 CFR 63 subpart A	General Provisions		X
40 CFR 63 subpart B	Requirements for Control Technology Determinations for Major Sources		X
40 CFR 63 subpart C	De-Listings		X
40 CFR 63 subpart D	Compliance Extensions for Early Reduction Sources		X
40 CFR 63 subpart E	Approval of State Programs and Delegation of Authority		X
40 CFR 63 subpart F	Synthetic Organic Chemical Manufacturing Industry, HON		X
40 CFR 63 subpart G	Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater, HON		X
40 CFR 63 subpart H	Synthetic Organic Chemical Manufacturing Industry for Equipment Leaks, HON		X
40 CFR 63 subpart I	Synthetic Organic Chemical Manufacturing Industry for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks, HON		X
40 CFR 63 subpart J	Polyvinyl Chloride and Copolymers Production		X
40 CFR 63 subpart K	Reserved		X
40 CFR 63 subpart L	Coke Ovens		X
40 CFR 63 subpart M	Dry Cleaning		X
40 CFR 63 subpart N	Chrome Electroplating		X
40 CFR 63 subpart O	Ethylene Oxide Commercial Sterilization Facilities		X
40 CFR 63 subpart P	Reserved		X
40 CFR 63 subpart Q	Industrial Process Cooling Towers		X
40 CFR 63 subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations), Stage I		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 63 subpart S	Pulp and Paper Cluster Rule		X
40 CFR 63 subpart T	Halogenated Solvent Cleaning		X
40 CFR 63 subpart U	Polymers and Resins Group I		X
40 CFR 63 subpart V	Reserved		X
40 CFR 63 subpart W	Polymers and Resins Group II, Epoxy Resins Production and Non-Nylon Polyamides Production		X
40 CFR 63 subpart X	Secondary Lead Smelting		X
40 CFR 63 subpart Y	Marine Vessel Unloading Operations		X
40 CFR 63 subpart Z	Reserved		X
40 CFR 63 subpart AA	Phosphoric Acid Manufacturing Plants		X
40 CFR 63 subpart BB	Phosphate Fertilizers		X
40 CFR 63 subpart CC	Petroleum Refineries		X
40 CFR 63 subpart DD	Off-Site Waste and Recovery Operations		X
40 CFR 63 subpart EE	Magnetic Tape Manufacturing		X
40 CFR 63 subpart FF	Reserved		X
40 CFR 63 subpart GG	Aerospace Manufacturing and Rework Facilities		X
40 CFR 63 subpart HH	Oil and Gas Production Facilities		X
40 CFR 63 subpart II	Shipbuilding and Ship Repair Facilities (Surface Coating)		X
40 CFR 63 subpart JJ	Wood Furniture Manufacturing Operations		X
40 CFR 63 subpart KK	Printing and Publishing		X
40 CFR 63 subpart LL	Primary Aluminum Reduction Plants		X
40 CFR 63 subpart MM	Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mills		X
40 CFR 63 subpart NN	Wool Fiberglass Manufacturing at Area Sources		X
40 CFR 63 subpart OO	Tanks- Level 1		X
40 CFR 63 subpart PP	Containers		X
40 CFR 63 subpart QQ	Surface Impoundments		X
40 CFR 63 subpart RR	Individual Drain Systems		X
40 CFR 63 subpart SS	Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or Process		X
40 CFR 63 subpart TT	Equipment Leaks-Control Level 1		X
40 CFR 63 subpart UU	Equipment Leaks-Control Level 2		X
40 CFR 63 subpart VV	Oil-Water Separators and Organic-Water Separators		X
40 CFR 63 subpart WW	Tanks - Level 2		X
40 CFR 63 subpart XX	Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations		X
40 CFR 63 subpart YY	Generic Maximum Achievable Control Technology (MACT) Standards		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 63 subpart ZZ – BBB	Reserved		X
40 CFR 63 subpart CCC	Steel Pickling Facilities		X
40 CFR 63 subpart DDD	Mineral Wool Production		X
40 CFR 63 subpart EEE	Hazardous Waste Combustors		X
40 CFR 63 subpart FFF	Reserved		X
40 CFR 63 subpart GGG	Pharmaceuticals Production		X
40 CFR 63 subpart HHH	Natural Gas Transmission and Storage Facilities		X
40 CFR 63 subpart III	Flexible Polyurethane Foam Production		X
40 CFR 63 subpart JJJ	Polymers and Resins Group IV		X
40 CFR 63 subpart KKK	Reserved		X
40 CFR 63 subpart LLL	Portland Cement Manufacturing		X
40 CFR 63 subpart MMM	Pesticide Active Ingredients Production		X
40 CFR 63 subpart NNN	Wool Fiberglass Production		X
40 CFR 63 subpart OOO	Manufacture of Amino/Phenolic Resins		X
40 CFR 63 subpart PPP	Polyether Polyols Production		X
40 CFR 63 subpart QQQ	Primary Copper Smelting		X
40 CFR 63 subpart RRR	Secondary Aluminum Production		X
40 CFR 63 subpart SSS	Reserved		X
40 CFR 63 subpart TTT	Primary Lead Smelting		X
40 CFR 63 subpart UUU	Petroleum Refineries (catalytic cracking, catalytic reforming and sulfur plant units)		X
40 CFR 63 subpart VVV	Publicly Owned Treatment Works		X
40 CFR 63 subpart WWW	Reserved		X
40 CFR 63 subpart XXX	Ferroalloy Production		X
40 CFR 63 subpart AAAA	Municipal Solid Waste (MSW) Landfills		X
40 CFR 63 subpart BBBB	Reserved		X
40 CFR 63 subpart CCCC	Manufacturing of Nutritional Yeast		X
40 CFR 63 subpart DDDD	Plywood and Composite Wood Products		X
40 CFR 63 subpart EEEE	Organic Liquids Distribution (non-gasoline)		X
40 CFR 63 subpart FFFF	Misc. Organic Chemical Manufacturing (MON)		X
40 CFR 63 subpart GGGG	Solvent Extraction for Vegetable Oil Production		X
40 CFR 63 subpart HHHH	Wet-Formed Fiberglass Mat Production		X
40 CFR 63 subpart IIII	Automobile and Light Duty Trucks (surface coating)		X
40 CFR 63 subpart JJJJ	Paper & Other Web Coatings (paper, plastic, film, foil, etc.)		X
40 CFR 63 subpart KKKK	Metal Cans (Surface Coating)		X
40 CFR 63 subpart MMMM	Misc. Metal Parts and Products (Surface Coating)		X
40 CFR 63 subpart NNNN	Large Appliance (surface coating)		X
40 CFR 63 subpart OOOO	Fabric Printing, Coating and Dyeing		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 63 subpart PPPP	Plastic Parts and Products (Surface Coating)		X
40 CFR 63 subpart QQQQ	Wood Building Products (surface coating)		X
40 CFR 63 subpart RRRR	Metal Furniture (surface coating)		X
40 CFR 63 subpart SSSS	Metal Coil (surface coating)		X
40 CFR 63 subpart TTTT	Leather Finishing Operations		X
40 CFR 63 subpart UUUU	Cellulose Production Manufacturing		X
40 CFR 63 subpart VVVV	Boat Manufacturing		X
40 CFR 63 subpart WWWW	Reinforced Plastics Composites Production		X
40 CFR 63 subpart XXXX	Tire Manufacturing		X
40 CFR 63 subpart YYYY	Combustion Turbines		X
40 CFR 63 subpart ZZZZ	Reciprocating Internal Combustion Engines (RICE)		X
40 CFR 63 subpart AAAAA	Lime Manufacturing		X
40 CFR 63 subpart BBBBB	Semiconductor Manufacturing		X
40 CFR 63 subpart CCCCC	Coke Ovens: Pushing, Quenching and Battery Stacks		X
40 CFR 63 subpart DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters		X
40 CFR 63 subpart EEEEE	Iron and Steel Foundries		X
40 CFR 63 subpart FFFFF	Integrated Iron and Steel		X
40 CFR 63 subpart GGGGG	Site Remediation		X
40 CFR 63 subpart HHHHH	Misc. Coating Manufacturing		X
40 CFR 63 subpart IIIII	Mercury Cell Chlor-Alkali Plants		X
40 CFR 63 subpart JJJJJ	Brick and Structural Clay Products Manufacturing		X
40 CFR 63 subpart KKKKK	Clay Ceramic Manufacturing		X
40 CFR 63 subpart LLLLL	Asphalt Roofing and Asphalt Processing		X
40 CFR 63 subpart MMMMM	Flexible Polyurethane Foam Fabrication Operation		X
40 CFR 63 subpart NNNNN	Hydrochloric Acid Production		X
40 CFR 63 subpart OOOOO	Reserved		X
40 CFR 63 subpart PPPPP	Engine Test Cells/Stands		X
40 CFR 63 subpart QQQQQ	Friction Materials Manufacturing		X
40 CFR 63 subpart RRRRR	Taconite Iron Ore Processing		X
40 CFR 63 subpart SSSSS	Refractory Products Manufacturing		X
40 CFR 63 subpart TTTTT	Primary Magnesium Refining		X
40 CFR 63 subpart UUUUU	Coal- and Oil-Fired Electric Utility Steam Generating Units		X
40 CFR 63 subpart VVVVV	Reserved		X
40 CFR 63 subpart WWWWW	Hospital Ethylene Oxide Sterilizers		X
40 CFR 63 subpart XXXXX	Reserved		X
40 CFR 63 subpart YYYYY	Electric Arc Furnace Steelmaking Facilities		X
40 CFR 63 subpart ZZZZZ	Iron and Steel Foundry Area Sources		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 63 subpart AAAAAA	Reserved		X
40 CFR 63 subpart BBBBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities		X
40 CFR 63 subpart CCCCCC	Gasoline Dispensing Facilities		X
40 CFR 63 subpart DDDDDD	Polyvinyl Chloride and Copolymers Production Area Sources		X
40 CFR 63 subpart EEEEEE	Primary Copper Smelting Area Sources		X
40 CFR 63 subpart FFFFFF	Secondary Copper Smelting Area Sources		X
40 CFR 63 subpart GGGGGG	Primary Nonferrous Metals Area Sources – Zinc, Cadmium, and Beryllium		X
40 CFR 63 subpart HHHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources		X
40 CFR 63 subpart IIIIII	Reserved		X
40 CFR 63 subpart JJJJJJ	Industrial, Commercial, and Institutional Boilers Area Sources		X
40 CFR 63 subpart KKKKKK	Reserved		X
40 CFR 63 subpart LLLLLL	Acrylic and Modacrylic Fibers Production Area Sources		X
40 CFR 63 subpart MMMMMM	Carbon Black Production Area Sources		X
40 CFR 63 subpart NNNNNN	Chemical Manufacturing Area Sources: Chromium Compounds		X
40 CFR 63 subpart OOOOOO	Flexible Polyurethane Foam Production and Fabrication Area Sources		X
40 CFR 63 subpart PPPPPP	Lead Acid Battery Manufacturing Area Sources		X
40 CFR 63 subpart QQQQQQ	Wood Preserving Area Sources		X
40 CFR 63 subpart RRRRRR	Clay Ceramics Manufacturing Area Sources		X
40 CFR 63 subpart SSSSSS	Glass Manufacturing Area Sources		X
40 CFR 63 subpart TTTTTT	Secondary Nonferrous Metals Processing Area Sources		X
40 CFR 63 subpart UUUUUU	Reserved		X
40 CFR 63 subpart VVVVVV	Chemical Manufacturing Area Sources		X
40 CFR 63 subpart WWWWWW	Plating and Polishing Operations		X
40 CFR 63 subpart XXXXXX	Nine Metal Fabrication and Finishing Source Categories		X
40 CFR 63 subpart YYYYYY	Ferroalloys Production Facilities		X
40 CFR 63 subpart ZZZZZZ	Aluminum, Copper, and Other Nonferrous Foundries		X
40 CFR 63 subpart AAAAAAA	Asphalt Processing and Asphalt Roofing Manufacturing		X
40 CFR 63 subpart BBBBBBB	Chemical Preparations Industry		X
40 CFR 63 subpart CCCCCCC	Paints and Allied Products Manufacturing		X
40 CFR 63 subpart DDDDDDD	Prepared Feeds Manufacturing		X
40 CFR 63 subpart EEEEEEE	Gold Mine Ore Processing and Production Area Source Category		X

PERMIT SHIELD REQUEST *(This section summarizes the regulations)*			
Regulation Citation	**Regulation Title**	**Applicable?**	
		Yes	**No**
40 CFR 63 subpart FFFFFFF-GGGGGGG	Reserved		X
40 CFR 63 subpart HHHHHHH	Polyvinyl Chloride and Copolymers Production		X
40 CFR 64	Compliance Assurance Monitoring	X	
40 CFR 68	Risk Management Programs Under Section 112(r)		X
40 CFR 72	Permits Regulation		X
40 CFR 73	SO_2 Allowance System		X
40 CFR 74	Sulfur Dioxide Opt-Ins		X
40 CFR 75	Continuous Emission Monitoring		X
40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program		X
40 CFR 77	Excess Emissions		X
40 CFR 78	Appeal Procedures for Acid Rain		X
40 CFR 82 subpart A	Production and Consumption Controls		X
40 CFR 82 subpart B	Servicing of Motor Vehicle Air Conditioners		X
40 CFR 82 subpart C	Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances		X
40 CFR 82 subpart D	Federal Procurement		X
40 CFR 82 subpart E	The Labeling of Products Using Ozone-Depleting Substances		X
40 CFR 82 subpart F	Recycling and Emissions Reduction		X
40 CFR 82 subpart G	Significant New Alternatives Policy Program		X
40 CFR 82 subpart H	Halon Emissions Reduction		X
40 CFR 82 subpart I	Ban on Refrigeration and Air-Conditioning Appliances Containing HCFCs		X