YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT
1947 Galileo Court, Suite 103; Davis, CA 95618
(530) 757-3650

TITLE V OPERATING PERMIT

Permit Number: F-00470-12

ISSUED TO:
Agrium U.S. Inc.
3961 Channel Drive
West Sacramento, CA 95691

PLANT SITE LOCATION:
3961 Channel Drive
West Sacramento, CA 95691

ISSUED BY:

Mat Ehrhardt, P.E., Air Pollution Control Officer

11/30/12
Date

PROPOSED	September 11, 2012
EFFECTIVE	November 29, 2012
EXPIRATION	July 16, 2015

Nature of Business:	Nitrogen Fertilizer Manufacturing
SIC Code:	2873

Responsible Official:

Name:	Bobby E. Franklin
Title:	Plant Manager
Phone:	(916) 375-6112

Site Contact Person:

Name:	John Killey
Title:	Environmental Specialist
Phone:	(916) 375-6160

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I. FACILITY EMISSION UNITS AND EQUIPMENT LISTS:

A. Insignificant Emissions Units

Insignificant emissions units or exempted equipment may be supplemented, replaced or modified with non-identical equipment without notice provided exemption status has not changed as defined in current district or federal rules. The equipment listed in Table 1 is a partial listing of equipment currently identified as exempt or insignificant and not required to obtain an operating permit pursuant to Rule 3.2 (Exemptions) of the Yolo-Solano Air Quality Management District (District).

Table 1 - Exempted and Insignificant Emissions Units

Equipment Description	Basis for Exemption
Heating, Ventilation, and Air Conditioning Systems	District Rule 3.2, Section 103
Portable Welding and Generator Engines Rated 50 BHP or Less	District Rule 3.2, Section 105.1
Equipment Repairs and Maintenance	District Rule 3.2, Section 108
Propane Storage Tank (1,000 gallon)	District Rule 3.2, Section 109.1
Diesel Aboveground Storage Tank (10,500 gallons)	District Rule 3.2, Section 109.2
Solvent Parts Washer (35 gallons)	District Rule 3.2, Section 110.3
Laboratory Equipment	District Rule 3.2, Section 111
Cooling Tower	District Rule 3.2, Section 112
Aqueous Urea Solution Mixing and Storage	District Rule 3.2, Section 113

B. Significant Emissions Unit

Each of the following emission units have been constructed pursuant to the issuance of an Authority to Construct (ATC) in accordance with District Rules 3.1 (General Permit Requirements) and 3.4 (New Source Review).

Identification Number: **P-33-09(a),** Receiving of Bulk Urea by Railcar and Truck

Equipment Description: One (1) 5 HP truck drive-over belt feeder (P-612); one (1) 25 HP unloading bucket elevator (P-613); and one (1) gravity fed warehouse transfer chute (P-TBD). Process equipment shared and billed on PTO P-72-78: portable conveyor (P-620); transfer screw conveyor (P-602); transfer belt conveyor (P-603); screw conveyor (P-604); day tank (P-605); bin activator (P-606); weigh feeder (P-607); and transfer belt conveyor (P-608).

Control Equipment: Railcar receiving dust pan served by the AFF scrubber. Control equipment shared with PTO P-72-78: AAF wet scrubber (GB-501), Model Type W Rotoclone, Size 30 and rated at 15,710 CFM (located adjacent to the screening tower); Torit baghouse (P-618) with a 1.5 HP fan rated at 1,000 CFM (located on top of day tank); Sly Impinjet wet scrubber (F-644), Model No. 120, with a 75 HP fan rated at 1,500 CFM (located on top of blender tank).

Identification Number: **P-36-82(a),** Natural Gas Fired Boiler

Equipment Description: One (1) 37.5 MMBtu/hr natural gas fired Hercules boiler, Model No. 900, Serial No. 1955-82/SN1144 (B-601)

Control Equipment: Flue gas recirculation (FGR) system, variable frequency driver, air/fuel ratio controller

Identification Number: **P-37-82(a4),** Nitric Acid Production

Equipment Description: One (1) 3700 HP Air compressor; one (1) 5 HP stripper feed pump; one (1) 10 HP condensate feed pump; one (1) 10 HP ammonia feed; one (1) 15 HP acid feed pump; and one (1) 20 HP raw water pump

Control Equipment: Nitrogen Oxides (NO_x) Decomposer, carbon monoxide (CO) abatement device, and hydrogen (H_2) injection system

Identification Number: **P-70-78(a1),** Bulk Ammonia Warehousing and Transfer

Equipment Description: Two (2) 7,500,000 gallon bulk ammonia storage tanks (F-250A & F-250B); one (1) 45,000 gallon bullet tank (F-350); four (4) tanker truck loadout racks; one (1) railcar tanker loadout rack; and all associated process lines, compressors, heaters, condensers, and refrigeration units

Control Equipment: One (1) Zeeco flare, Model No. UF-12W (Two Pilots: 0.50 MMBtu/hr (combined) firing on natural gas, or 0.602 MMBtu/hr (combined) firing on propane), and associated header; two (2) Worthington two-stage compressor trains (Train A: 1st Stage GC-250A, 2nd Stage GC-251A; Train B: 1st Stage GC-250B, 2nd Stage GC-251B); one (1) vent condenser (E-251); one (1) vapor return header connected to the loading racks and small relief valves; one (1) Frick ammonia refrigeration condenser, Model HCU-180A (E-250A); one (1) Baltimore Aircoil Co. ammonia refrigeration condenser, Model CXV-264/PR (E-250B); and one(1) ammonia accumulator (F-251)

Control Equipment: None

Identification Number: **P-72-78(a7),** Shipping and Transfer of Bulk Urea

Equipment Description: Shipping equipment: reclaim belt conveyor (P-552); drag chain conveyor (P-553); reclaim bucket elevator (P-554); loading bucket elevator (P-555); west rotex screen (P-559); east rotex screen (P-560); 30 ton truck loading hopper (P-562); seven (7) reclaim hoppers (P-564); one (1) warehouse return conveyor (P-556), one (1) portable conveyor (P-620), and misc. bin(s). Transfer Equipment (partially shared with PTO P-33-09): transfer screw conveyor (P-602); transfer belt conveyor (P-603); screw conveyor (P-604); day tank (P-605); bin activator (P-606); weigh feeder (P-607); and transfer belt conveyor (P-608). Total equipment electric horsepower not to exceed 199 HP.

Control Equipment: Serving the urea transfer and shipping equipment (partially shared with PTO P-33-09): AAF wet scrubber (GB-501), Model Type W Rotoclone, Size 30 and rated at 15,710 CFM (located adjacent to the screening tower); Sly truck loading spout (P-562), Model No. XP-8; and Sly railcar loading spout (SP-601), Model No. XP-12. Serving the UAN-32 transfer equipment (shared with PTO P-33-09): Torit baghouse (P-618) with a 1.5 HP fan rated at 1,000 CFM (located on top of day tank); and Sly Impinjet wet scrubber (F-644), Model No. 120, with a 75 HP fan rated at 1,500 CFM (located on top of blender tank)

Identification Number: **P-73-78(a3)**, Receiving of Bulk Urea

Equipment Description: One (1) 75 HP unloading conveyor belt (P-550); one (1) 10 ton receiving hopper; one (1) 15 HP distributing belt conveyor (P-551); and one (1) 5 HP carriage drive (P-551A)

Control Equipment: Torit baghouse (P-558), with a 3 HP fan rated at 1,000 CFM, serving the urea warehousing and distribution (located on top of urea warehouse); and Torit baghouse (P-593), with a 25 HP fan rated at 12,000 CFM, serving the urea unloading equipment during barge off loading (located at dock)

Identification Number: **P-85-94(t),** Internal Combustion (IC) Engine Powering an Emergency Generator

Equipment Description: 600 BHP diesel fired Detroit Diesel IC engine, Model No. 7123-7305, Serial No. 12VA049059, Model Year 1978, Non-EPA Certified Engine

Control Equipment: Turbocharger

II. SPECIFIC UNIT REQUIREMENTS

A. Emission Limits

P-33-09(a) - Urea Receiving by Railcar and Truck

A.1 The PM_{10} emissions from the railcar and overfilled truck urea receiving operating under P-33-09(a) shall not exceed 20.1 lb/day, 1,741 lb/1st calendar quarter, 1,760 lb/2nd calendar quarter, 1,780 lb/3rd calendar quarter, 1,780 lb/4th calendar quarter, and 2.42 tons/year. [District Rules 2.11, 2.19, and 3.4/C-10-14]

A.2 The Permit Holder shall not release or discharge into the atmosphere from baghouse P-618, particulate matter in excess of 0.004 grains per cubic feet of exhaust. [District Rules 2.11 and 3.4/C-10-14]

A.3 The Permit Holder shall not release or discharge into the atmosphere from scrubber F-644, particulate matter in excess of 0.004 grains per cubic feet of exhaust. [District Rules 2.11 and 3.4/C-10-14]

A.4 The Permit Holder shall not release or discharge into the atmosphere from scrubber GB-501 when receiving urea from railcars or overfilled trucks, particulate matter in excess of 0.0015 grains per cubic feet of exhaust. [District Rules 2.11 and 3.4/C-10-14]

P-36-82(a) - Boiler

A.5 The VOC emissions from the boiler operating under P-36-82(a) shall not exceed 2.0 lb/day, 30 lb/1st calendar quarter, 31 lb/2nd calendar quarter, 31 lb/3rd calendar quarter, 31 lb/4th calendar quarter, and 0.06 tons/year. [District Rule 3.4/C-00-107]

A.6 The CO emissions from the boiler operating under P-36-82(a) shall not exceed 212.6 lb/day, 3,198 lb/1st calendar quarter, 3,228 lb/2nd calendar quarter, 3,259 lb/3rd calendar quarter, 3,259 lb/4th calendar quarter, and 6.47 tons/year. [District Rule 3.4/C-00-107]

A.7 The NO_x emissions from the boiler operating under P-36-82(a) shall not exceed 26.2 lb/day, 394 lb/1st calendar quarter, 398 lb/2nd calendar quarter, 402 lb/3rd calendar quarter, 402 lb/4th calendar quarter, and 0.80 tons/year. [District Rules 2.16 and 3.4/C-00-107]

A.8 The SO_x emissions from the boiler operating under P-36-82(a) shall not exceed 0.4 lb/day, 6 lb/1st calendar quarter, 7 lb/2nd calendar quarter, 7 lb/3rd calendar quarter, 7 lb/4th calendar quarter, and 0.01 tons/year. [District Rules 2.12, 2.16, and 3.4/C-00-107]

A.9 The PM_{10} emissions from the boiler operating under P-36-82(a) shall not exceed 9.9 lb/day, 148 lb/1st calendar quarter, 150 lb/2nd calendar quarter, 151 lb/3rd calendar quarter, 151 lb/4th calendar quarter, and 0.30 tons/year. [District Rules 2.16 and 3.4/C-00-107]

A.10 The emission concentrations shall not exceed the following:
a. CO - 400 ppmv, dry, corrected to 3% O_2; and
b. NO_x - 30 ppmv, dry, corrected to 3% O_2. [District Rule 3.4, §409.2/C-00-107]

P-37-82(a4) - Nitric Acid Production

A.11 The CO emissions from the nitric acid production plant operating under P-37-82(a4) shall not exceed 1,000.0 lb/day, 90,000 lb/1st calendar quarter, 91,000 lb/2nd calendar quarter, 92,000 lb/3rd calendar quarter, 92,000 lb/4th calendar quarter, and 168.00 tons/year. [District Rule 3.4, §409/C-12-82]

A.12 The NO_x emissions from the nitric acid production plant operating under P-37-82(a4) shall not exceed 250.0 lb/day, 22,500 lb/1st calendar quarter, 22,750 lb/2nd calendar quarter, 23,000 lb/3rd calendar quarter, 23,000 lb/4th calendar quarter, and 42.00 tons/year. [District Rule 3.4, §409/C-12-82]

A.13 Except for qualifying periods of equipment startup or shutdown, the nitrogen oxide (NO_x) emissions (expressed as NO_2) shall not exceed 3.0 pounds per ton

(lb/ton) nitric acid (HNO_3) produced (expressed as 100% nitric acid by mass) averaged over a three (3) hour rolling period. [District Rule 2.42, §110 & §301, and 40 CFR Part 60.72(a)(1)/C-12-82]

P-70-78(a1) - Bulk Ammonia Warehousing and Transfer

A.14 The VOC emissions from the ammonia warehousing and transfer equipment operating under P-70-78(a1) shall not exceed 0.1 lb/day, 6 lb/1st calendar quarter, 6 lb/2nd calendar quarter, 6 lb/3rd calendar quarter, 6 lb/4th calendar quarter, and 0.01 tons/year. [District Rule 3.4/C-06-181]

A.15 The CO emissions from the ammonia warehousing and transfer equipment operating under P-70-78(a1) shall not exceed 0.3 lb/day, 21 lb/1st calendar quarter, 21 lb/2nd calendar quarter, 21 lb/3rd calendar quarter, 21 lb/4th calendar quarter, and 0.04 tons/year. [District Rule 3.4/C-06-181]

A.16 The NO_x emissions from the ammonia warehousing and transfer equipment operating under P-70-78(a1) shall not exceed 1,397.4 lb/day, 7,193 lb/1st calendar quarter, 7,196 lb/2nd calendar quarter, 7,198 lb/3rd calendar quarter, 7,198 lb/4th calendar quarter, and 14.39 tons/year. [District Rule 3.4/C-06-181]

A.17 The SO_x emissions from the ammonia warehousing and transfer equipment operating under P-70-78(a1) shall not exceed 0.2 lb/day, 16 lb/1st calendar quarter, 16 lb/2nd calendar quarter, 16 lb/3rd calendar quarter, 16 lb/4th calendar quarter, and 0.03 tons/year. [District Rules 2.12 and 3.4/C-06-181]

A.18 The PM_{10} emissions from the ammonia warehousing and transfer equipment operating under P-70-78(a1) shall not exceed 28.2 lb/day, 148 lb/1st calendar quarter, 148 lb/2nd calendar quarter, 148 lb/3rd calendar quarter, 148 lb/4th calendar quarter, and 0.30 tons/year. [District Rules 2.11, 2.12, and 3.4/C-06-181]

P-72-78(a7) - Urea Shipping and Transfer

A.19 The PM_{10} emissions from the urea shipping and transfer equipment operating under P-72-78(a7) shall not exceed 91.9 lb/day, 4,559 lb/1st calendar quarter, 4,562 lb/2nd calendar quarter, 4,565 lb/3rd calendar quarter, 4,565 lb/4th calendar quarter, and 2.72 tons/year. [District Rules 2.19 and 3.4/C-8-225]

A.20 The Permit Holder shall not release or discharge into the atmosphere from baghouse P-618, particulate matter in excess of 0.001 grains per cubic feet of exhaust. [District Rules 2.11 and 3.4/C-08-225]

A.21 The Permit Holder shall not release or discharge into the atmosphere from scrubber F-644, particulate matter in excess of 0.001 grains per cubic feet of exhaust. [District Rules 2.11 and 3.4/C-08-225]

A.22 The Permit Holder shall not release or discharge into the atmosphere from scrubber GB-501 when transferring urea to the UAN-32 production process from the warehouse, particulate matter in excess of 0.012 grains per cubic feet of exhaust. [District Rules 2.11 and 3.4/C-08-225]

P-73-78(a3) - Urea Receiving by Ship and Barge

A.23 The PM_{10} emissions from the barge and ship receiving equipment operating under P-73-78(a3) shall not exceed 633.6 lb/day, 5,232 lb/1st calendar quarter, 5,232 lb/2nd calendar quarter, 5,232 lb/3rd calendar quarter, 5,232 lb/4th calendar quarter, and 2.62 tons/year. [District Rules 2.19 and 3.4/C-07-224]

A.24 The Permit Holder shall not release or discharge into the atmosphere from baghouse P-558, particulate matter in excess of 0.070 grains per cubic feet of exhaust. [District Rules 2.11 and 3.4/C-07-224]

A.25 The Permit Holder shall not release or discharge into the atmosphere from baghouse P-593, particulate matter in excess of 0.006 grains per cubic feet of exhaust. [District Rules 2.11 and 3.4/C-07-224]

P-85-94(t) - Emergency Diesel fired IC Engine

A.26 The VOC emissions from the emergency engine operating under P-85-94(t) shall not exceed 28.5 lb/day, 238 lb/1st calendar quarter, 238 lb/2nd calendar quarter, 238 lb/3rd calendar quarter, 238 lb/4th calendar quarter, and 0.12 tons/year. [District Rule 3.4/P-85-94(t)]

A.27 The CO emissions from the emergency engine operating under P-85-94(t) shall not exceed 65.4 lb/day, 545 lb/1st calendar quarter, 545 lb/2nd calendar quarter, 545 lb/3rd calendar quarter, 545 lb/4th calendar quarter, and 0.27 tons/year. [District Rule 3.4/P-85-94(t)]

A.28 The NO_x emissions from the emergency engine operating under P-85-94(t) shall not exceed 300.5 lb/day, 2,504 lb/1st calendar quarter, 2,504 lb/2nd calendar quarter, 2,504 lb/3rd calendar quarter, 2,504 lb/4th calendar quarter, and 1.25 tons/year. [District Rules 2.16 and 3.4/P-85-94(t)]

A.29 The SO_x emissions from the emergency engine operating under P-85-94(t) shall not exceed 4.5 lb/day, 38 lb/1st calendar quarter, 38 lb/2nd calendar quarter, 38 lb/3rd calendar quarter, 38 lb/4th calendar quarter, and 0.02 tons/year. [District Rules 2.12, 2.16, and 3.4/P-85-94(t)]

A.30 The PM_{10} emissions from the emergency engine operating under P-85-94(t) shall not exceed 20.6 lb/day, 172 lb/1st calendar quarter, 172 lb/2nd calendar quarter, 172 lb/3rd calendar quarter, 172 lb/4th calendar quarter, and 0.09 tons/year. [District Rules 2.11, 2.12, 2.16, and 3.4/P-85-94(t)]

B. Work Practice and Operational Requirements

Process Limits for P-33-09(a) - Railcar and Truck Urea Receiving

B.1 The amount of urea received by railcars under P-33-09(a) shall not exceed 1,200 tons/day, 108,000 tons/1st calendar quarter, 109,200 tons/2nd calendar quarter, 110,400 tons/3rd calendar quarter, 110,400 tons/4th calendar quarter, and 300,000 tons/year. [District Rule 3.4/C-10-14]

B.2 The amount of urea off-loaded from overfilled trucks under P-33-09(a) shall not exceed 4.0 tons/day, 12.0 tons/1st calendar quarter, 12.0 tons/2nd calendar quarter, 12.0 tons/3rd calendar quarter, 12.0 tons/4th calendar quarter, and 48.0 tons/year. [District Rule 3.4/C-10-14]

Process Limits for P-36-82(a) - Boiler

B.3 The amount of natural gas combusted by the boiler under P-36-82(a) shall not exceed 0.72 million cubic feet/day, 10.83 million cubic feet/1st calendar quarter, 10.93 million cubic feet/2nd calendar quarter, 11.04 million cubic feet/3rd calendar quarter, 11.04 million cubic feet/4th calendar quarter, and 43.84 million cubic feet/year. [District Rule 3.4/C-00-107]

Process Limits for P-37-82(a4) - Nitric Acid Production

B.4 The mass emissions from the nitric acid production facility (including periods of start-up and shutdown) shall not exceed the daily, quarterly, or annual values listed in the Permitted Emission Limits table of P-37-82(a4). [District Rule 3.4, §409.2(b)]

Process Limits for P-70-78(a1) - Bulk Ammonia Warehousing and Transfer

B.5 The amount of ammonia transferred to the storage tanks under P-70-78(a1) shall not exceed 28,000 tons/day, 200,0000 tons/1st calendar quarter, 200,000 tons/2nd calendar quarter, 200,000 tons/3rd calendar quarter, 200,000 tons/4th calendar quarter, and 200,000 tons/year. [District Rule 3.4/C-06-181]

B.6 The amount of ammonia continuously sent to the flare under P-70-78(a1) shall not exceed 0.067 tons/day, 6.026 tons/1st calendar quarter, 6.093 tons/2nd calendar quarter, 6.160 tons/3rd calendar quarter, 6.160 tons/4th calendar quarter, and 24.44 tons/year. [District Rule 3.4/C-06-181]

B.7 The amount of ammonia vented to the flare of P-70-78(a1) during a planned maintenance or an upset event shall not exceed 72.0 tons/day, 360.0 tons/1st calendar quarter, 360.0 tons/2nd calendar quarter, 360.0 tons/3rd calendar quarter, 360.0 tons/4th calendar quarter, and 1,440.0 tons/year. [District Rule 3.4/C-06-181]

B.8 The amount of natural gas combusted by the flare under P-70-78(a1) shall not exceed 0.012 million cubic feet/day, 1.080 million cubic feet/1st calendar quarter, 1.092 million cubic feet/2nd calendar quarter, 1.104 million cubic feet/3rd calendar quarter, 1.104 million cubic feet/4th calendar quarter, and 4.38 million cubic feet/year. [District Rule 3.4/C-06-181]

B.9 The amount of propane combusted by the flare under P-70-78(a1) shall not exceed 0.006 million cubic feet/day, 0.040 million cubic feet/1st calendar quarter, 0.040 million cubic feet/2nd calendar quarter, 0.040 million cubic feet/3rd calendar quarter, 0.040 million cubic feet/4th calendar quarter, and 0.159 million cubic feet/year. [District Rule 3.4/C-06-181]

Process Limits for P-72-78(a7) - Urea Shipping and Transfer

B.10 The amount of urea shipped to truck or railcars under P-72-78(a7) shall not exceed 2,100 tons/day, 220,000 tons/1st calendar quarter, 220,000 tons/2nd calendar quarter, 220,000 tons/3rd calendar quarter, 220,000 tons/4th calendar quarter, and 220,000 tons/year. [District Rule 3.4/C-08-225]

B.11 The amount of urea transferred to the UAN-32 production plant under P-72-78(a7) shall not exceed 300 tons/day, 27,000 tons/1st calendar quarter, 27,300 tons/2nd calendar quarter, 27,600 tons/3rd calendar quarter, 27,600 tons/4th calendar quarter, and 109,500 tons/year. [District Rule 3.4/C-08-225]

B.12 The amount of urea-offloaded from overfilled railcars or trucks under P-72-78(a7) shall not exceed 125 tons/day, 500 tons/1st calendar quarter, 500 tons/2nd calendar quarter, 500 tons/3rd calendar quarter, 500 tons/4th calendar quarter, and 500 tons/year. [District Rule 3.4/C-08-225]

Process Limits for P-73-78(a3) - Urea Receiving by Ship and Barge

B.13 The total amount of bulk urea received by ship or barge under P-73-78(a3) shall not exceed 14,400 tons/day, 300,000 tons/1st calendar quarter, 300,000 tons/2nd calendar quarter, 300,000 tons/3rd calendar quarter, 300,000 tons/4th calendar quarter, and 300,000 tons/year. [District Rule 3.4/C-07-224]

B.14 The amount of material transferred from ships (defined as transferring material to dock side hopper via "clam shell") shall not exceed 3,600 tons per day and 25,200 tons per year. [District Rule 3.4/C-07-224]

Process Limits for P-85-94(t) - Emergency Diesel fired IC Engine

B.15 The amount of diesel fuel combusted by the IC engine under P-85-94(t) shall not exceed 640.8 gallons/day, 5,340 gallons/1st calendar quarter, 5,340 gallons/2nd calendar quarter, 5,340 gallons/3rd calendar quarter, 5,340 gallons/4th calendar quarter, and 5,340 gallons/year. [District Rule 3.4/P-85-94(t)]

Requirements for P-33-09(a) - Urea Receiving by Railcar and Truck

B.16 The Permit Holder shall maintain all control equipment, including ducts and filters, in good operating condition and shall be operated at all times in conjunction with its associated process. [District Rule 3.4/C-10-14]

B.17 When transferring urea from railcars to the UAN-32 production process, the Permit Holder shall be required to utilize a dust pan beneath the railcar which is served by the AAF scrubber (GB-501), as well as, fully enclosed the truck receiving pit opening. [District Rule 3.4/C-10-14]

Opacity Requirements for P-33-09(a) - Urea Receiving by Railcar and Truck

B.18 The Permit Holder shall not discharge into the atmosphere from the baghouse exhaust, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 1/4 on the Ringelmann Chart; or
b. Greater than 5% opacity. [District Rules 2.3 and 3.4/C-10-14]

B.19 The Permit Holder shall not discharge into the atmosphere from either of the scrubbers exhausts, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
b. Greater than 20% opacity. [District Rules 2.3 and 3.4/C-10-14]

B.20 The Permit Holder shall not discharge into the atmosphere from any single source of emissions whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
b. Greater than 20% opacity. [District Rules 2.3 and 3.4/C-10-14]

Requirements for P-36-82(a) - Boiler

B.21 Only natural gas shall be burned in the boiler. [District Rule 2.27, §301/C-00-107]

B.22 The control equipment associated with the approved process shall be operated at all times when permitted equipment is in operation. [District Rule 3.4/C-00-107]

B.23 A non-resettable, totalizing gaseous fuel flow meter shall be installed and utilized to measure the quantity (in million cubic feet) of natural gas combusted in the boiler. [District Rule 2.27, §501/C-00-107]

B.24 The Permit Holder shall install and maintain such facilities as are necessary for sampling and testing purposes. The number, size, and location of sampling ports shall be in accordance with CARB Test Method 1. The location and access to the sampling platform shall be in accordance with the General Industry Safety Orders of the State of California. [District Rule 3.1, §303.2/C-00-107]

Opacity Requirements for P-36-82(a) - Boiler

B.25 No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark as, or darker than, Ringelmann 2 or 40% opacity. [District Rule 2.3/C-00-107]

Requirements for P-37-82(a4) - Nitric Acid Production

B.26 The Permit Holder shall minimize to the maximum extent practicable the frequency, duration, and emissions of all qualifying periods of startup and shutdown. Each qualifying period shall not exceed three (3) hours and shall be determined as follows:

a. Startup Period - The period of time between when feedstock is introduced into the nitric acid production process and the equipment achieves the proper operating temperature and stable operating conditions. The period will exclude the time required to preheat the control equipment.
b. Shutdown Period - The period of time after feedstock is no longer introduced in a nitric acid production unit. The period will exclude the time required to cool down the control equipment. [District Rule 2.42, §110, §206, & §207/C-12-82]

B.27 The nitric acid production facility shall be operated in accordance with the requirements of 40 CFR Part 60 - Subpart G (Standards of Performance for Nitric Acid Plants). [40 CFR Part 60.70 - 60.74/C-12-82]

B.28 The Permit Holder shall comply with the procedures and schedules contained in the most recent Operation and Maintenance (O&M) Plan submitted to, and approved by, the District. [District Rule 2.42, §402 and District Rule 3.4, §409/C-12-82]

B.29 The Permit Holder shall install and maintain such facilities as are necessary for sampling and testing purposes. The number, size, and location of sampling ports shall be in accordance with Air Resources Board Test Method 1 or EPA Test Methods. The location and access to the sampling platform shall be in accordance with the General Industry Safety Orders of the State of California. [District Rule 3.4, §409/C-12-82]

Opacity Requirements for P-37-82(a4) - Nitric Acid Production

B.30 Except for qualifying periods of equipment startup or shutdown, no activity associated with the nitric acid manufacturing process shall discharge into the atmosphere any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:

a. Half as dark or darker in shade as No. 1 on the Ringelmann Chart; or
b. 10% opacity [District Rule 2.3, District Rule 2.42, §110 & §302, and 40 CFR Part 60.72(a)(2)/C-12-82]

B.31 The Permit Holder shall not discharge into the atmosphere from any single source of emissions whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:

a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
b. Greater than 20% opacity. [District Rule 2.3 and District Rule 3.4/C-12-82]

Requirements for P-70-78(a1) - Bulk Ammonia Warehousing and Transfer

B. 32 The Permit Holder shall operate at least one (1) train of compressors, or the flare, or both control devices, at all times when the permitted equipment is in operation. [District Rule 3.4/C-06-181]

B. 33 A non-resettable, totalizing fuel flow meter shall be installed and utilized to measure the quantity (in cubic feet) of natural gas and propane combusted in the flare. [District Rule 3.4/C-06-181]

Opacity Requirements for P-70-78(a1) - Bulk Ammonia Warehousing and Transfer

B.34 The Permit Holder shall not discharge into the atmosphere from any single source of emissions whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:

a. As dark or darker in shade than No. 2 on the Ringelmann Chart; or
b. Greater than 40% opacity. [District Rule 2.3/C-06-181]

Requirements for P-71-78(a) - Ammonia Backup Heater

B.35 The Permit Holder shall not operate this ammonia product heater more than 250 hours per calendar year total, including maintenance, testing, and backup usage. [District Rule 3.1, §402/C-01-169]

Requirements for P-72-78(a7) - Urea Shipping and Transfer

B.36 The Permit Holder shall maintain all control equipment, including ducts and filters, in good operating condition and shall be operated at all times in conjunction with its associated process. [District Rule 3.4/C-08-225]

B.37 The number and types of equipment at this plant shall match the equipment listed in the "Equipment Inventory" section of PTO P-72-78(a7). The Permit Holder shall maintain a complete list of all equipment at the plant, which includes a description and horsepower of each piece of equipment. This list shall be kept with the permit to operate and shall be made available to the District upon request. [District Rule 3.4/C-08-225]

Opacity Requirements for P-72-78(a7) - Urea Shipping and Transfer

B.38 The Permit Holder shall not discharge into the atmosphere from the baghouse exhaust, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 1/4 on the Ringelmann Chart; or
b. Greater than 5% opacity. [District Rules 2.3 and 3.4/C-08-225]

B.39 The Permit Holder shall not discharge into the atmosphere from either of the scrubbers exhausts, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
b. Greater than 20% opacity. [District Rules 2.3 and 3.4/C-08-225]

B.40 The Permit Holder shall not discharge into the atmosphere from any single source of emissions whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 2 on the Ringelmann Chart; or
b. Greater than 40% opacity. [District Rule 2.3/C-08-225]

Requirements for P-73-78(a3) - Urea Receiving by Ship and Barge

B.41 The Permit Holder shall maintain all control equipment, including ducts and filters, in good operating condition and shall be operated at all times when material is being transferred to the dock side hopper. [District Rule 3.4/C-07-224]

Opacity Requirements for P-73-78(a3) - Urea Receiving by Ship and Barge

B.42 While unloading ships (defined as transferring material to dock side hopper via "clam shell"), the Permit Holder shall not discharge into the atmosphere any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 2 on the Ringelmann Chart; or
b. Greater than 40% opacity. [District Rule 2.3/C-07-224]

B.43 While unloading barges (defined as transferring material to dock side via conveyor and chute) the Permit Holder shall not discharge into the atmosphere any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 1/2 on the Ringelmann Chart; or
b. Greater than 10% opacity. [District Rules 2.3 and 3.4/C-07-224]

B.44 The Permit Holder shall not discharge into the atmosphere, from any baghouse, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 1/4 on the Ringelmann Chart; or
b. Greater than 5% opacity. [District Rules 2.3 and 3.4/C-07-224]

Requirements for P-85-94(t) - Emergency Diesel fired IC Engine

B.45 The Permit Holder shall not operate the IC engine more than two hundred (200) hours per calendar year. [District Rule 2.32, §110.2 and District Rule 3.4, §110.2/P-85-94(t)]

B.46 The Permit Holder shall not operate the IC engine for the supplying of power to a serving utility for distribution on the grid. [District Rule 2.32, §110.3 and District Rule 3.4, §110.3/P-85-94(t)]

B.47 The Permit Holder's operation of the IC engine for reasons other than maintenance purposes shall be limited to actual interruptions of electrical power by the serving utility. [District Rule 2.32, §202 and District Rule 3.4, §110.4/P-85-94(t)]

Opacity Requirement for P-85-94(t) - Emergency Diesel fired IC Engine

B.48 The Permit Holder shall not discharge into the atmosphere any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
a. As dark or darker in shade than No. 2 on the Ringelmann Chart; or
b. Greater than 40% opacity. [District Rule 2.3/P-85-94(t)]

C. Monitoring and Testing Requirements

P-36-82(a) - Boiler

C.1 The Permit Holder shall, through yearly testing or data collection devices, collect sufficient data to verify compliance with District Rule 2.27. Such measurements may include, but are not limited to, oxygen concentration, CO concentration, and stack-gas temperatures. [District Rule 2.27, §303.2]

C.2 The Permit Holder shall perform an annual source test in accordance with Rule 2.27, Section 502 to demonstrate compliance with the CO and NO_x limitations, or shall perform an annual tune-up in accordance with District Rule 2.27, Section 600. [District Rule 2.27, §402.7/C-00-107]

C.3 The Permit Holder shall submit a source test report or tune-up test report at least every twelve (12) months. The test report shall include the operational parameters of all flue-gas NO_x reduction equipment that were established during the initial source test. [District Rule 2.27, §403/C-00-107]

C.4 The Permit Holder shall perform ongoing source tests triennially to demonstrate compliance with the CO and NO_x limitations when firing on natural gas. [District Rule 3.1, §402/C-00-107]

C.5 Source testing shall be conducted using the following test methods:
a. CO - EPA Method 10, or CARB Method 100;
b. NO_x (as NO_2) - EPA Method 7E, or CARB Method 100;
c. Stack Gas Oxygen - EPA Method 3 or 3a, or CARB Method 100; and
d. Flow Rate - EPA Method 19, or CARB Methods 1-4. [District Rule 2.27, §502.1 and §502.2/C-00-107]

C.6 The District must be notified prior to any compliance source test, and a source test plan must be submitted for approval fourteen (14) days prior to testing. The results of the source test shall be submitted to the District within sixty (60) days of the test date. [District Rule 3.1, §402/C-00-107]

C.7 All emission determinations shall be made in the as-found operating condition, except that emission determinations shall include at a minimum at least one (1) source test conducted at the maximum firing rate allowed by the District permit, and no compliance determination shall be established within two (2) hours after a continuous period in which fuel flow to the unit is zero, or shut off, for thirty minutes or longer. [District Rule 2.27, §402.2/C-00-107]

P-37-82(a4) - Nitric Acid Production

C.8 The Permit Holder shall install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for measuring carbon monoxide (CO) emission concentrations. [District Rule 3.4, §409/C-12-82]

C.9 The Permit Holder shall install, calibrate, maintain, and operate a CEMS for measuring NO_x emission concentrations. [District Rule 2.42, §303 and 40 CFR Part 60.73(a)/C-12-82]

C.10 The CO CEMS shall comply with the requirements specified in 40 CFR Part 60 - Appendix B, Specification 4 or other alternative methods approved by the U.S. EPA and the District. [District Rule 3.4, §409/C-12-82]

C.11 The NO_x CEMS shall comply with the requirements specified in 40 CFR Part 60 - Appendix B, Specification 2 or other alternative methods approved by the U.S. EPA and the District. [District Rule 2.42, §303.1 and 40 CFR Part 60.73(a)/C-12-82]

C.12 The NO_x CEMS shall be calibrated and checked using a nitrogen oxide (NO) span gas with a value between 450 and 500 ppmv, or other alternative methods approved by the U.S. EPA and the District. [District Rule 2.42, §303.2, District Rule 3.4, §409, and 40 CFR Part 60.73(a)/C-12-82]

C.13 Each CEMS (recorder output) shall have a high-level value between 1.5 times the pollutant concentration corresponding to the emission standard level and the span value. [40 CFR Part 60 - Appendix B, Performance Specifications 2 & 4, Section 6.1.1.2/C-12-82]

C.14 The calibration gas shall have a reference value between 50% and 100% of the high-level value. [40 CFR Part 60 - Appendix B, Performance Specifications 2 & 4, Section 6.1.2/C-12-82]

C.15 Each CEMS shall complete a minimum of one (1) cycle of operation (sampling, analyzing, and data recording) for each successive fifteen (15) minute period. [40 CFR Part 60.13(e)(2)/C-12-82]

C.16 One (1) hour averages shall be computed from four (4) or more data points equally spaced over each one (1) hour period. [40 CFR Part 60.13(h)/C-12-82]

C.17 The data accumulated during periods of CEMS breakdowns, repairs, calibration checks and zero and span adjustments, shall not be included in the data average. [40 CFR Part 60.13(h)/C-12-82]

C.18 Each CEMS shall be in continuous operation except for system breakdowns, repairs, calibration checks, and zero and span adjustments. [40 CFR Part 60.13(e)/C-12-82]

C.19 The Permit Holder shall check the zero and span calibration drifts at least once daily (24 hour) in accordance with a written procedure. [40 CFR Part 60.13(d)(1)/C-12-82]

C.20 The zero and span CO calibrations shall be adjusted whenever the daily zero drift or the daily span drift deviates from the reference value of the calibration gas by more than two-times 5% of the span value. [District Rule 3.4, §409 and 40 CFR Part 60 - Appendix B, Specification 4, Section 13.1/C-12-82]

C.21 The zero and span NO_x calibrations shall be adjusted whenever the daily zero drift or the daily span drift deviates from the reference value of the calibration gas by more than two-times 2.5% of the span value. [40 CFR Part 60.13(d)(1) and 40 CFR Part 60 - Appendix B, Specifications 2/C-12-82]

C.22 The Permit Holder shall perform a source test at least once every twelve (12) consecutive calendar months to demonstrate compliance with the following items:

a. CO concentration (ppmvd @ 15% O2);
b. CO mass emissions (lb/day);
c. NO_x concentration (ppmvd @ 15% O2);
d. NO_x mass emissions (lb/day and lb/ton nitric acid produced); and
e. Visible emissions (%). [District Rule 2.42, §304 and District Rule 3.4/C-12-82]

C.23 The Permit Holder shall perform a Relative Accuracy Test Audit (RATA) of the CO and NO_x CEMS at least once every twelve (12) consecutive calendar months. The RATA shall be performed in accordance with 40 CFR Part 60 - Appendix F (Quality Assurance Procedures), or approved equivalent. [District Rule 3.4, §409 and 40 CFR Part 60 - Appendix F, Procedure 1, Section 5.1.1/C-12-82]

C.24 The Permit Holder shall conduct the following test methods (or alternative test methods approved by the U.S. EPA and the District) to measure the required pollutant emissions during any emission testing event. If the source wishes to use an alternative methodology a complete and detailed description of the method must be submitted to the District for written approval no less than thirty (30) days prior to the performance evaluation.

a. CO - U.S. EPA Method 10;
b. NO_x - U.S. EPA Method 7;
c. Volumetric Flow rate - U.S. EPA Method 2 and
e. Visible Emission Evaluation - U.S. EPA Method 9. [District Rule 2.42, §601 & §604, District Rule 3.4, §409, and 40 CFR Part 60.74(b)(2) and (b)(3)/C-12-82]

C.25 The District must be notified prior to any emissions testing event (source test or RATA), and a protocol must be submitted for approval thirty (30) days prior to

testing. The results of an emissions testing event shall be submitted to the District within sixty (60) days of the test date. The protocol and report shall be mailed to the attention of the Supervising Air Quality Engineer. [District Rule 3.4, §409/C-12-82]

C.26 The Permit Holder shall establish a conversion factor for the purpose of converting CO monitoring data (in ppmv) into the applicable CO compliance limit units (lb/day). [District Rule 3.4, §409/C-12-82]

C.27 The Permit Holder shall determine a NO_x conversion factor used to convert the NO_x CEMS data (in ppmv) into the applicable NO_x compliance limit units (in lb/ton) using the data from the most recent source test submitted to, and approved by, the District. The NO_x emission conversion factor shall:

a. Be calculated using the equation contained in 40 CFR Part 60.74(b)(1);
b. Be calculated using the CEMS and source test data pertaining to the same operating time frame;
c. Be calculated by dividing the source test data averages (in lb/ton) by the corresponding CEMS data averages (in ppmv) to obtain a conversion factor expressed in the units of lb/ton per ppmv; and
d. Be reestablished during any source test or RATA performed. [District Rule 2.42, §602 & §603, 40 CFR Part 60.73(b), and 60.74(b)(1)/C-12-82]

C.28 The Permit Holder shall perform a weekly visible emissions evaluation of the nitric acid production plant using U.S. EPA Method 22. Each evaluation shall consist of at least six (6) continuous minutes and shall be performed while the plant is in operation. Plant personnel performing the observations may be certified, previously certified, or non-certified in U.S. EPA Method 9, but must be thoroughly knowledgeable of the "Visible Emission Field Manual Method 9 and Method 22." [District Rule 3.4, §409/C-12-82]

C.29 If visible emissions are observed, the Permit Holder shall:

a. Immediately take corrective action to minimize or eliminate visible emissions;
b. immediately conduct an U.S. EPA Method 9 test; and
c. Conduct an U.S. EPA Method 9 test daily until the opacity problem is successfully rectified. [District Rule 3.4, §409/C-12-82]

D. Recordkeeping Requirements

P-33-09(a) - Urea Receiving by Railcar and Truck

D.1 The Permit Holder shall maintain daily, quarterly, and yearly records of the total amount (in tons) of urea:

a. Received by railcar and transferred to the UAN-32 process; and
b. Received by railcar and transferred to the main storage warehouse.

c. Off-loaded from overfilled trucks and transferred to the UAN-32 process; and
d. Off-loaded from overfilled trucks and transferred to the main storage warehouse. [District Rule 3.4/C-12-41]

D.2 These records shall be retained for a minimum of five (5) years and shall be made available to District personnel upon request. [District Rule 3.4/C-12-41]

P-36-82(a) - Boiler

D.3 The Permit Holder shall monitor and record the cumulative annual natural gas fuel usage (in million cubic feet) from the totalizing meter, or by any other acceptable methods approved by the District. The records shall be updated weekly and made available to the District upon request. Historic annual data for the five (5) previous calendar years shall be kept and made available to the District upon request. [District Rule 2.27, §501/C-00-107]

P-37-82(a4) - Nitric Acid Production

D.4 The Permit Holder shall submit a monthly CO and NO_x emission report to the District within fifteen (15) days of the end of the month. The report shall provide average daily CO and NO_x concentrations (ppm), daily CO and NO_x emissions in units of the District standard (lbs/day), and aggregate CO and NO_x emissions in tons. [District Rule 3.4, §409/C-12-82]

D.5 The Permit Holder shall submit a quarterly excess emissions and monitoring system performance report and/or a summary report form to the District and U.S. EPA, Region IX within thirty (30) days of the end of each quarter. [40 CFR Part 60, Section 60.7(c) C-12-82]

D.6 The Permit Holder shall submit a summary report and excess emissions and monitoring report if the total duration of excess emissions for the reporting period is 1% or greater of the total operating time for the reporting period, or if the total CEMS downtime for the reporting period is 5% or greater of the total operating time for the reporting period. [40 CFR Part 60, Section 60.7(d)(2)/C-12-82]

D.7 The Permit Holder shall maintain records of the occurrence and duration of any:
a. Startup, shutdown, or malfunction in the operation of an affected facility;
b. Any malfunction of the air pollution control equipment; and
c. Any periods during which a continuous emission monitoring system (CEMS) or monitoring device is inoperative. [40 CFR Part 60.7(b)/C-12-82]

D.8 The Permit Holder shall maintain an operating log for the facility that includes, on a daily basis:
a. The actual startup and shutdown time;

b. Total hours of operation, amount of nitric acid (HNO_3) produced (expressed as 100% acid strength);
c. Operating system parameters;
d. The exhaust gas NO_x concentrations in parts per million volume (ppmv) on a dry basis; and
e. The exhaust gas NO_x emission rate in lb/ton HNO_3 per three (3) hour rolling average. [District Rule 2.42, §502 and 40 CFR Part 60.73(c)/C-12-82]

D.9 The Permit Holder shall record all U.S. EPA Method 9 and/or Method 22 observations using a form similar to Appendix A of the "Visible Emissions Field Manual Method 9 and 22." [District Rule 3.4, §409]

D.10 The Permit Holder shall report all excess emissions to the District within ninety-six (96) hours of the occurrence of excess emissions. [District Rule 3.1, §405.4/C-12-82]

D.11 The Permit Holder shall maintain all records required by this permit on-site for a period of five (5) years from the date of entry and make them available to the APCO upon request. [District Rule 2.42, §501, District Rule 3.8, §302.6(b), and 40 CFR Part 60.7(f)/C-12-82]

P-70-78(a1) - Bulk Ammonia Warehousing and Transfer

D.12 The Permit Holder shall on a quarterly basis maintain and record the individual quantities of continuous and maintenance/upset ammonia vapors combusted in the flare. The individual quantities may be measured or calculated. [District Rule 3.4/C-08-161]

D.13 The Permit Holder shall on a quarterly basis maintain and record the individual quantities of natural gas and propane combusted in the flare. [District Rule 3.4/C-06-181]

D.14 All records shall be maintained for a period of five (5) years and shall be made readily available to the Air Pollution Control Officer (APCO) upon request. [District Rule 3.4/C-06-181]

P-72-78(a7) - Urea Shipping and Transfer

D.15 The Permit Holder shall maintain daily records of the total amount of urea (in tons) transferred for UAN-32 production process from:
a. The warehouse;
b. The total amount of urea loaded out of the warehouse to trucks and railcars, and
c. The total amount of urea off-loaded back to the warehouse from over-filled trucks and railcars.

These records shall be retained for a minimum of five (5) years and shall be made available to District personnel upon request. [District Rule 3.4/C-08-225]

P-73-78(a3) - Urea Receiving by Ship and Barge

D.16 The Permit Holder shall maintain daily records of the amount of urea received (in tons) and by which method it was received (by barge or by clam shell from ships). These records shall be retained for a minimum of five (5) years and shall be made available to District personnel upon request. [District Rule 3.4/C-07-224]

III. FACILITY WIDE REQUIREMENTS

A. Opacity

A.1 The Permit Holder shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:

a. As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart as published by the United States Bureau of Mines; or

b. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in Subsection (a) of this condition. [District Rule 2.3]

B. Nuisance

B.1 The Permit Holder shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public or which cause to have a natural tendency to cause injury or damage to business or property. [This permit condition is federally enforceable because it derives from District Rule 2.5 - Nuisance that is currently part of the California State Implementation Plan (SIP). The District is taking steps to remove Rule 2.5 from the SIP. Once the U.S. EPA has taken final action to remove District Rule 2.5 from the SIP, this permit condition will become state-enforceable only]

C. Circumvention

C.1 The Permit Holder shall not build, erect, install or use any article, machine, equipment, or other contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Division 26, Part 3 and Part 4 of the Health and Safety Code of the State of California or District Rules or Regulations. [District Rule 2.17]

D. General Permit Requirements

D.1 No person shall build, erect, alter, or replace any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants, without first obtaining an authorization to construct from the Air Pollution Control Officer (APCO) as specified in Section 401 of District Rule 3.1. [District Rule 3.1, §301.1]

D.2 No person shall operate any facility, article, machine, equipment, or other contrivance, for which an authorization to construct is required by District Rules and Regulations without first obtaining a written permit from the APCO. [District Rule 3.1, §302.1]

D.3 No person shall operate any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, without obtaining a permit from the APCO or the Hearing Board. [District Rule 3.1, §302.2]

D.4 The Permits to Operate shall not be transferable, by operation of law or otherwise, from one location to another or from one piece of equipment to another. It shall be the transferee's responsibility to inform the District on assumption of ownership or operating control of any item under a Permit to Operate from the District and for which a Permit to Operate will be required. For any such transfer as hereinabove described, said transferee shall submit an application for authorization in accordance with applicable District Rules. [District Rule 3.1, §304]

D.5 All Permits to Operate shall be renewable annually on the individual permit's anniversary date, commencing one year after the date of issuance. The Permit Holder shall pay a fee for the annual permit renewal. If the annual renewal fee is not paid by the specified due date, the District shall assess a penalty of not more than 50% of the fee due. Non-payment of renewal fees is grounds for permit cancellation. [District Rule 3.1, §305 and District Rule 4.1, §303 and §401]

D.6 Commencing work or operation under any Permits to Operates shall be deemed acceptance of all of the conditions so specified. [District Rule 3.1, §402]

D.7 The Permit Holder shall submit an annual throughput/production report at the end of each calendar year for each Permit to Operate. These reports are due no later than March 31 for the previous year. This report must include actual operating hours and actual amounts of materials processed (for materials that have process limits listed on the Permit to Operate). Each type of material and each type of process must be listed separately. [District Rule 3.1, §405.1]

D.8 The owner or operator of any facility, article, machine, equipment, or other contrivance for which a Permit to Operate is in effect shall notify the District office whenever a breakdown, malfunction, or operational upset condition exists which would tend to increase emissions of air pollutants or whenever any operating condition contrary to any provision of the Permit to Operate exists. Such notice shall be given to the District no later than four (4) hours after occurrence during regular workday hours or no later than two (2) hours of the District workday following an occurrence not during regular District workday hours. The notice shall provide the District information as to causes and corrective action being taken, with a schedule for return to required operating conditions. [District Rule 3.1, §405.3]

D.9 The Permit Holder shall firmly affix all Permits to Operate, an approved facsimile, or other approved identification bearing the permit number upon the facility, article, machine, equipment, or other contrivance in such a manner as to be clearly visible and accessible. In the event that the facility, article, machine, equipment, or other contrivance is so constructed or operated that the Permit to Operate cannot be so placed, the Permit to Operate shall be mounted so as to be clearly visible in an accessible place within twenty (25) feet of the facility, article, machine, equipment, or other contrivance, or maintained readily available at all times on the operating premises. [District Rule 3.1, §408]

D.10 Modifications to this permit, as defined by District Rules and Regulations, requires prior District approval. A modification is defined as any physical change, change in method of operation, addition to or any change in hours of operation, or change in production rate, which: would necessitate a change in permit conditions; or is not specifically limited by a permit condition; or results in an increase in emissions not subject to an emissions limitation. [District Rule 3.4, §223]

IV. TITLE V GENERAL REQUIREMENTS

A. Right of Entry

A.1 The permit shall require that the source allow the entry of the District, ARB, or U.S. EPA officials for the purpose of inspection and sampling, including:
a. Inspection of the stationary source, including equipment, work practices, operations, and emissions-related activity;
b. Inspection and duplication of records required by the permit to operate; and
c. Source sampling or other monitoring activities. [District Rule 3.8, §302.10]

B. Compliance with Permit Conditions

B.1 The Permit Holder shall comply with all Title V permit conditions. [District Rule 3.8, §302.11(a)]

B.2 The permit does not convey property rights or exclusive privilege of any sort. [District Rule 3.8, §302.11(b)]

B.3 Non-compliance with any permit condition is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal. [District Rule 3.8, §302.11(c)]

B.4 The Permit Holder shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition. [District Rule 3.8, §302.11(d)]

B.5 A pending permit action or notification of anticipated non-compliance does not stay any permit condition. [District Rule 3.8, §302.11(e)]

B.6 Within a reasonable time period, the Permit Holder shall furnish any information requested by the APCO, in writing, for the purpose of determining:
a. Compliance with the permit; or
b. Whether or not cause exists for a permit or enforcement action. [District Rule 3.8, §302.11(f)]

C. Emergency Provisions

C.1 Within two (2) weeks of an emergency event, the owner or operator shall submit to the District a properly signed contemporaneous log or other relevant evidence demonstrating that:
a. An emergency occurred;
b. The Permit Holder can identify the cause(s) of the emergency;
c. The facility was being properly operated at the time of the emergency;
d. All steps were taken to minimize the emissions resulting from the emergency; and

e. Within two (2) working days of the emergency event, the Permit Holder provided the District with a description of the emergency and any mitigating or corrective actions taken; and

In any enforcement proceeding, the Permit Holder has the burden of proof for establishing that an emergency occurred. [District Rule 3.8, §302.12]

D. Severability

D.1 If any provision, clause, sentence, paragraph, section or part of these conditions for any reason is judged to be unconstitutional or invalid, such judgement shall not affect or invalidate the remainder of these conditions. [District Rule 3.8, §302.13]

E. Compliance Certification

E.1 The responsible official shall submit a compliance certification to the U.S. EPA and the APCO every twelve (12) months unless required more frequently by an applicable requirement. The twelve (12) month period shall be January 1 through December 31, and shall be submitted by January 30 following the reporting period, unless otherwise approved in writing by the District. All compliance reports and other documents required to be submitted to the District by the responsible official shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [District Rule 3.4, §409 and District Rule 3.8, §302.14(a)]

E.2 The compliance certification shall identify the basis for each permit term or condition (e.g., specify the emissions limitation, standard, or work practice) and a means of monitoring compliance with the term or condition consistent with Sections 302.5, 302.6, and 302.7 of Rule 3.8. [District Rule 3.8, §302.14(b)]

E.3 The compliance certification shall include a statement of the compliance status, whether compliance was continuous or intermittent, and method(s) used to determine compliance for the current time period and over the entire reporting period. [District Rule 3.8, §302.14(c)]

E.4 The compliance certification shall include any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the Federal Clean Air Act. [District Rule 3.8, §302.14(d)]

F. Permit Life

F.1 The Title V permit shall expire five (5) years from the date of issuance. Title V permit expiration terminates the stationary source's right to operate unless a

timely and complete Title V permit application for renewal has been submitted. [District Rule 3.8, §302.15]

G. Payment of Fees

G.1 An owner or operator shall pay the appropriate Title V permit fees on schedule. If fees are not paid on schedule, the permit is forfeited. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to Section 502(a) of the CAA. [District Rule 3.8, §302.16]

H. Permit Revision Exemption

H.1 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 the permit. [District Rule 3.8, §302.22]

I. Application Requirements

I.1 An owner or operator shall submit a standard District application for renewal of the Title V permit, no earlier than 18 months and no later than six (6) months before the expiration date of the current permit to operate. [District Rule 3.8, §402.2]

I.2 An owner or operator shall submit a standard District application for each emissions unit affected by a proposed permit revision that qualifies as a significant Title V permit modification. The application shall be submitted after obtaining any required preconstruction permits. Upon request by the APCO, the owner or operator shall submit copies of the latest preconstruction permit for each affected emissions unit. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. [District Rule 3.8, §402.3]

I.3 An owner or operator shall submit a standard District application for each emissions unit affected by the proposed permit revision that qualifies as a minor permit modification. The application shall be submitted after obtaining any required preconstruction permits. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. In the application, the owner or operator shall include the following:

a. A description of the proposed permit revision, any change in emissions, and additional applicable federal requirements that will apply;
b. Proposed permit terms and conditions; and
c. A certification by a responsible official that the permit revision meets criteria for use of minor permit modification procedures and a request that such procedures be used. [District Rule 3.8, §402.4]

J. Permit Reopening for Cause

J.1 Circumstances that are cause for reopening and revision of a permit include, but are not limited to, the following:

a. The need to correct a material mistake or inaccurate statement;
b. The need to revise or revoke a permit to operate to assure compliance with applicable federal requirements;
c. The need to incorporate any new, revised, or additional applicable federal requirements, if the remaining authorized life of the permit is three (3) years or greater, no later than eighteen (18) months after the promulgation of such requirement (where less than three (3) years remain in the authorized life of the permit, the APCO shall incorporate the requirements into the permit to operate upon renewal); or
d. Additional requirements promulgated pursuant to Title IV as they become applicable to any acid rain unit governed by the permit. [District Rule 3.8, §413.1]

K. Recordkeeping

K.1 The Permit Holder shall record maintenance of all monitoring and support information required by any applicable federal requirement, including:

a. Date, place, and time of sampling;
b. Operating conditions at the time of sampling;
c. Date, place, and method of analysis; and
d. Results of the analysis. [District Rule 3.8, §302.6(a)]

K.2 The Permit Holder shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of sample collection, measurement, report, or application. [District Rule 2.32, §503 and District Rule 3.8, §302.6(b)]

L. Reporting Requirements

L.1 Any deviation from permit requirements, including that attributable to upset conditions (as defined in the permit), shall be promptly reported to the APCO. For the purpose of this condition prompt means as soon as reasonably possible, but no later than 10 days after detection. [District Rule 3.8, §302.7(a)]

L.2 A semi-annual monitoring report shall be submitted at least every six (6) consecutive months and shall identify any deviation from permit requirements, including that previously reported to the APCO pursuant to Section 302.7(a) of District Rule 3.8. The six (6) month periods shall be January 1 through June 30 and July 1 through December 31. The reports shall be submitted by July 30 and January 30 following each reporting period, respectively, unless

otherwise approved in writing by the District. [District Rule 3.4, §409 and District Rule 3.8, §302.7(b)]

L.3 All reports of deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. [District Rule 3.8, §302.7(c)]

L.4 Each monitoring report shall be accompanied by a written statement from the responsible official that certifies the truth, accuracy, and completeness of the report. [District Rule 3.8, §302.7(e)]