EASTERN KERN AIR POLLUTION CONTROL DISTRICT

PREVENTION OF SIGNIFICANT DETERIORATION PERMIT

2700 "M" Street, Suite 302
Bakersfield, CA 93301-2370
(661) 862-5250

Permittee: PSGM3, LLC

Location: 506 Sopp Road
Mojave, California 93501-7738

Permit No: PSD #240514

Issuance Date: December 9, 2024

Nature of Business: Steel Manufacturing

This permit is issued pursuant to and is conditioned upon compliance with provisions of the Eastern Kern Air Pollution Control District Rules and Regulations as authorized by the California Health and Safety Code, Section 39002. This permit is subject to the accuracy of all information submitted relating to the permit application and to conditions appended hereto. This permit is valid so long as construction commences within 18 months from date of issuance and is not discontinued for a period of 18 months or more. This permit shall be made readily available for inspection at any reasonable time to any and all persons who may request to see it.

Pursuant to the Clean Air Act Amendments of 1990 (CAAA), all conditions of this permit are federally enforceable by U.S. EPA and Eastern Kern Air Pollution Control District (District).

By:

Gary Ray Jr.
Air Pollution Control Officer

I. Notification of Commencement of Construction and Startup

The District shall be notified in writing of the anticipated date of initial startup of the source not more than sixty (60) days nor less than thirty (30) days prior to such date and shall be notified in writing of the actual date of commencement of construction and startup within fifteen (15) days after such date.

II. Malfunction

The District shall be notified by telephone within 48 hours following any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in Section VII of this Prevention of Significant Deterioration Permit (PSD Permit). In addition, the District shall be notified in writing within fifteen (15) days of any such failure. This notification shall include a description of the malfunctioning equipment or abnormal operation, the date of the initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under permit limitations, and the methods utilized to restore normal operations. Compliance with this malfunction notification shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction may cause.

III. Right to Entry

The Air Pollution Control Officer of the District, EPA Regional Administrator, or the Executive Officer of the California Air Resources Board, and/or their authorized representative, upon presentation of credentials, shall be permitted:

A. to enter the premises where the source is located or in which any records are required to be kept under the terms and conditions of this PSD Permit; and

B. at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this PSD Permit; and

C. to inspect any equipment, operation, or method required in this PSD Permit; and

D. to sample emissions from the source

IV. Transfer of Ownership

In the event of any changes in control or ownership of facilities to be constructed or modified, this approval to Construct/Modify shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this PSD Permit and its conditions by letter, a copy of which shall be forwarded to the EPA Regional Administrator, the California Air Resources Board, and the District.

V. Severability

The provisions of this PSD Permit are severable, and if any provision of this PSD Permit is held invalid, the remainder of this PSD Permit shall not be affected thereby.

VI. Agency Notification

All correspondence as required by this Approval to Construct shall be forwarded to:

A. Director, Enforcement and Compliance Assurance Division (Attn: ENF-2-1)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105
Or by email to aeo_r9@epa.gov or CDX

B. Manager, Permit Evaluation & Support Section, Enforcement Division
California Air Resources Board
P.O. Box 2815
Sacramento, CA 95812

C. Air Pollution Control Officer
Eastern Kern Air Pollution Control District
2700 M Street, Suite 302
Bakersfield, CA 93301

VII. FEDERALLY ENFORCEABLE CONDITIONS OF APPROVAL:

Pursuant to Rule 209, "conditional approval" is hereby granted. Please be aware that compliance with all conditions of approval imposed by this PSD Permit remain in effect for life of project, unless modified by application.

A. ATC No. 5024001:

EQUIPMENT DESCRIPTION: Scrap and Additive Material Receiving, Handling, and Storage Operation, including following equipment and design specifications:

A. Scrap Unloading Bay
B. Scrap Storage Piles
C. Supplemental Alloy Storage Area
D. Storage Silos for Lime, Dolomite, and Carbon
E. Endless Charging System (ECS), including two mass charging conveyors (50-hp each), two preheating conveyors (50-hp each), and eccentric mass connecting car (30-hp)
F. ECS Tornado® preheating with twelve actuators each driven by a 5-hp motor
G. ECS Booster Fan driven by 125-hp motor

DESIGN CONDITIONS:

a. Carbon, dolomite, and lime silos shall be served by bin vent fabric filters with exhaust routed to melt shop baghouse. (Rule 210.1 BACT Requirement)
b. Supplemental alloy materials shall be stored in an enclosure area to minimize fugitive emissions. (Rule 210.1 BACT Requirement)
c. Area of supplemental alloy piles shall not exceed 140 m^2 (0.03 acres) . (Rule 210.1)
d. At least 30 days prior to start-up, owner/operator shall submit to the District an Operational Fugitive Dust Emission Control Plan for District approval. Owner/operator shall operate in accordance with the District approved Fugitive Dust Control Plan for scrap and supplemental alloy material receiving, handling, & storage, as well as vehicle traffic areas. (Rules 210.1 BACT Requirement, 402)
e. At least 30 days prior to start-up, owner/operator shall submit to the District a pollution prevention control plan to allow for District approval prior to start-up. (Rules 209, 423 Subpart YYYYY, 40 CFR § 63.10681).

OPERATIONAL CONDITIONS:

1. Maximum scrap unloading throughput to outdoor piles shall not exceed 250,390 tons/yr and total scrap unloading throughput shall not exceed 500,780 tons/yr, each based on a rolling 12-month period. (Rule 210.1)
2. Maximum supplemental alloy unloading throughput shall not exceed 11,902 ton/yr, based on a rolling 12-month period. (Rule 210.1)
3. Visible emissions from scrap and alloy unloading shall not exceed 20% opacity or Ringelmann 1 for not more than 3 minutes in any one hour. (Rules 210.1 BACT Requirement, 401)
4. Visible emissions from scrap and supplemental material handling and transfer shall not exceed 5% opacity or Ringelmann ¼ for not more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement)
5. There shall be no visible emissions from outdoor scrap storage piles. (Rule 210.1)
6. Visible emissions from supplemental alloy storage piles shall not exceed 10% opacity (Ringlemann ½) for more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement)
7. Loading and unloading operations shall utilize minimum feasible drop height to reduce fugitive dust emissions. (Rule 210.1 BACT Requirement)
8. Carbon, dolomite, & lime shall be pneumatically transferred into & out of storage silos via fully enclosed transfer lines. (Rule 210.1 BACT Requirement)
9. Material removed from bin vent fabric filters serving storage silos shall be disposed of using method preventing entrainment in atmosphere. (Rule 210.1)

10. Operation shall be conducted in accordance with District approved pollution prevention plan at all times to minimize the quantity of chlorinated plastics, lead, free organic liquids, and mercury present in scrap. (Rule 423 Subpart YYYYY, 40 CFR §63.10685(a)(1))
11. Motor vehicle scrap shall only be accepted from providers who participate in a program for removal of mercury switches that has been approved by the USEPA. (Rule 423 Subpart YYYYY)
12. Personnel responsible for the inspection of scrap received shall be trained in the requirements of the pollution prevention plan. (Rule 423 Subpart YYYYY, 40 CFR §63.10685(a)(1))
13. Owner/operator shall maintain copy of District approved pollution prevention plan on site. (Rule 423 Subpart YYYYY)
14. Owner/operator shall maintain records identifying each scrap provider and documenting the scrap provider's participation in an approved mercury switch removal program. For motor vehicle scrap purchased from a broker, records shall identify each broker and documentation that all scrap provided by the broker was obtained from other scrap providers who participate in an approved mercury switch removal program, (Rule 423 Subpart YYYYY, 40 CFR §63.10682(c)(2))
15. Owner/operator shall maintain records demonstrating compliance with the approved pollution prevention plan, including documentation of personnel trained on the plan's requirements. (Rule 423 Subpart YYYYY, 40 CFR §63.10685(c))
16. Owner/operator shall submit semi-annual compliance reports to the District for the control of contaminants from scrap. The report must clearly identify any deviations from the requirements of the pollution prevention plan, and the corrective action(s) taken. (Rule 423 Subpart YYYYY, 40 CFR §63.10685(c)(3))
17. Equipment shall be maintained according to manufacturer's specifications to ensure compliance with emissions limitations. (Rules 209 and 210.1)
18. Compliance with all operational conditions shall be verified by appropriate record keeping, including records of operational data needed to demonstrate compliance. Such records shall be kept on site in readily available format. (Rule 209)

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified in accordance with District Rule 108.1 within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rules 108.1 and 209)

EMISSION LIMITS:
The maximum emissions rate for each air contaminant from this emission unit shall not exceed following limits:

Particulate Matter (PM_{10}):
(Filterable + Condensable):

Steel Scrap Unloading	0.03	lb/hr	
(combined indoor & outdoor)	0.63	lb/day	(24-hr maximum)
	0.12	ton/yr	(12-month rolling avg.)
Lime Unloading, Handling, & Storage	Emissions vented to melt shop dust collector		
Dolomite Unloading, Handling, & Storage	Emissions vented to melt shop dust collector		
Carbon Unloading, Handling, & Storage	Emissions vented to melt shop dust collector		
Supplemental Alloy Unloading & Handling	0.003	lb/hr	
	0.07	lb/day	(24-hr maximum)
	0.01	ton/yr	(12-month rolling avg.)
Outdoor Storage Piles	0.20	lb/day	(24-hr maximum)
(wind erosion)	0.04	ton/yr	(12-month rolling avg.)

Particulate Matter ($PM_{2.5}$):			
(Filterable + Condensable):			
Steel Scrap Unloading & Handling	0.004	lb/hr	Rule 210.4 PSD
	0.10	lb/day	(24-hr maximum)
	0.02	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Supplemental Alloy Unloading & Handling	0.0004	lb/hr	Rule 210.4 PSD
	0.01	lb/day	(24-hr Maximum)
	0.002	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Outdoor Storage Piles	0.03	lb/day	(24-hr maximum)
(wind erosion)	0.005	ton/yr	Rule 210.4 PSD (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and record keeping to document maximum daily emission rate) each day source is operated and such documentation of compliance shall be retained and made readily available to the District for period of five years. (Rule 210.1)

B. ATC 5024002:

EQUIPMENT DESCRIPTION: Steel Melting, Refining, Casting, & Shaping Operation. including following equipment and design specifications:

A. Scrap Cutting Torches (~0.056 MMBtu/hr max)
B. Q-EBT Sand Injection System with rotating base gear motor (3-hp)
C. Electric Arc Furnace (EAF) with three 10,500 kVA electrodes, oxy-lances, and Direct Evacuation control (DEC) System routed to item N
D. Ladle Car with two travel drive motors (5-hp each)
E. Ladle Metallurgy Station (LMS) with 7,200-kVA electrode
F. Tundish Dumping Station including capture hood with two 3-hp motors
G. Cyclone Double Clapet Dust Extractor with 0.7-hp motor
H. Cyclone Dust Extractor with 5.4-hp motor
I. Bag Filter Dust Extractor with 4-hp motor
J. 1st Bag Filter Elevator Dust Extractor with5-hp motor
K. 2nd Bag Filter Elevator Dust Extractor with 5-hp motor
L. Dust Stocking Bin Mini Filter with 0.7-hp blower
M. Dust Stocking Bin Extracting Screw Conveyor with 2-hp motor
N. Fume Treatment Plant Primary Emission Control Circuit serving item C, including the following control equipment:
    i. Urea injection system, reagent for selective non-catalytic reduction system (SNCR), including: urea storage tank, urea pump, distribution piping to injection ports at settling chamber, and injection control system
    ii. Primary Melt Shop Dust Collector with two 2,150-hp exhaust fans (fans also serve item Q)
    iii. Wet scrubber with booster fan (422-hp)
O. Fume Treatment Plant Secondary Emission Control Circuit serving melt shop, including hydrated lime injection system
P. Activated carbon sorbent injection system
Q. Secondary Melt Shop Dust Collector
R. Horizontal Preheater Transfer Car with two 5-hp motors and 2-hp cable ring motor
S. Auxiliary Transfer Car with two 5-hp motors and 2-hp cable ring motor
T. Withdrawal and Straightening Unit, including bottom & top extracting rolls and straightening roll (7.5-hp each)
U. Intermediate Roller Table with nine 1-hp rollers, one 1.5-hp roller, and one 1.5-hp pinch roll
V. Hydraulic Vertical Shear outlet roll driven by one 3-hp motor
W. Tundish Tilting Hydraulic unit with 20-hp pump
X. Ladle Slide Gate Hydraulic Unit with two pumps (10-hp each)
Y. FCC Hydraulic Unit, with two 30-hp pumps and two 2-hp recirculation pumps
Z. CCM Hydraulic Unit Container 1 with two recirculation pumps (15-hp each)
AA. CCM Hydraulic Unit Container 2 with five pumps (125-hp)
BB. Open Circuit Spray System with two Cooling Water Pumps (40-hp each)
CC. Traveling Weigh Hopper (TWH01) with 0.9-hp travel motor and 4.8-hp electric cylinder
DD. Caster Spray Vent Stack with steam exhaust fan (60-hp)
EE. Roller Tabler with Heat-Retaining Hoods, including ten roller drives (3.4-hp each)
FF. Roller Table with Heat-Retaining Hood, including roller drive (1-hp)
GG. Induction Heating Roller Table with five roller drives (3.4-hp)
HH. Pinch Roll driven by 84.8-hp motor
II. Stand ESS 685 H 00-1H driven by 335.1-hp motor
JJ. Stand ESS 685 V 00-2V driven by 335.1-hp motor
KK. Stand ESS 685 H 00-3H driven by 335.1-hp motor
LL. Stand ESS 450 V SF-4V driven by 335.1-hp motor
MM. Stand ESS 450 H SF-5H driven by 335.1-hp motor
NN. Stand ESS 450 V SF-6V driven by 469.2-hp motor
OO. Stand ESS 450 V SF-7H driven by 469.2-hp motor
PP. Stand ESS 450 V SF-8V driven by 469.2-hp motor

QQ. Start-Stop Flying Shear CVSB-030-800 driven by 222-hp motor
RR. Stand DOM 4334 FL - 9H driven by 469.2-hp motor
SS. Vertical Looper with two 2.3-hp roller drives
TT. Stand DVM 4334 FL - 10V driven by 469.2-hp motor
UU. Vertical Looper with two 2.3-hp roller drives
VV. STAND DOM 4334 FL - 11H driven by 469.2-hp motor
WW. Vertical Looper with two 2.3-hp roller drives
XX. STAND DVM 4334 FL - 12V driven by 469.2-hp motor
YY. Vertical Looper with two 2.3-hp roller drives
ZZ. STAND DOM 4334 FL - 13H driven by 469.2-hp motor
AAA. Vertical Looper with two 2.3-hp roller drives
BBB. STAND DVM 4334 FL - 14V driven by 469.2-hp motor
CCC. Vertical Looper with two 2.3-hp roller drives
DDD. STAND DOM 4334 FL - 15H driven by 469.2-hp motor
EEE. Vertical Looper with two 2.3-hp roller drives
FFF. STAND DVM 4334 FL - 16V driven by 469.2-hp motor
GGG. Roller Table with two 2.3-hp roller drives
HHH. Water Quenching Line QTB with twelve bypass roller drives each driven by a 2.3-hp motor
III. Pinch Roll at Crop Shear Entry with 69.4-hp motor
JJJ. Crop Shear driven by 120.6-hp motor
KKK. Pinch Roll at "Cut to Length" Shear Entry (69.4-hp)
LLL. "Cut to Length" Shear driven by 160.9-hp motor
MMM. Pinch Roll at Shear Exit Line#1-LH with 69.4-hp roll drive motor
NNN. Pinch Roll at Shear Exit Line#2-RH with 69.4-hp roll drive motor
OOO. Twin Bar Braker Group with two 69.4-hp motors
PPP. Roller Table driven by twelve roll drives (2.3-hp each)
QQQ. Pinch Roll at Combined Shear Entry (69.4-hp)
RRR. Combined Shear CVSM-030-0800 with 315-hp drive motor
SSS. Combined Shear Inlet/Outlet Equipment with 2.3-hp roller drive
TTT. Inlet Roller Table with Four 2.3-hp Roller Drive
UUU. Inlet Roller Table with Three 2.3-hp Roller Drive
VVV. Inlet Roller Table with Three 2.3-hp Roller Drive
WWW. Roller Table with Lifting Aprons driven by five 2.3-hp Roll Drives
XXX. Roller Table with Lifting Aprons driven by twenty 2.3-hp Roll Drives
YYY. Fast Cooling Bed, including 57-hp drive motor and lining up rollers driven by forty-six 0.5-hp motors
ZZZ. Slow Cooling Bed, including 115.6-hp bed drive and lining up rollers driven by twenty-three 0.8-hp motors
AAAA. Layer Chain Transfer with two 4.6-hp motors
BBBB. Lance Group with two 33.9-hp motors
CCCC. Bundle Run Out Roller Table with twenty-four 2.3-hp motors
DDDD. Roller Table with ten roller drive motors (2.3-hp each)
EEEE. Roller Table Drive Section A with ten roller drive motors (2.3-hp each)
FFFF. Roller Table Drive Section B with ten roller drive motors (2.3-hp each)
GGGG. Two Liftable Chain Transfers (one each for Sections A-B & C-D) each driven by 10.8-hp chain drive motor
HHHH. Collecting Chain Transfer Transfers (one each for Sections A-B & C-D) each driven by 46.2-hp chain drive motor
IIII. Pinch Roll at Crop Shear Entry with 115.6-hp drive motor
JJJJ. Crop Shear VR 12 with 115.6-hp shear drive
KKKK. FFB 4 Stands driven by 2010.7-hp main drive
LLLL. Pinch Roll along BGV bypass with 115.6-hp drive motor
MMMM. Pinch Roll at WB#2 Entry with 115.6-hp drive motor
NNNN. Pinch Roll at WB#3 Entry with 115.6-hp drive motor
OOOO. Pinch Roll at Shears Group Entry with 115.6-hp drive motor
PPPP. Crop Shear CVR 025 with 203.5-hp drive motor

QQQQ. Dividing Shear CVR 025 with 203.5-hp drive motor
RRRR. Pinch Roll at Shears Group Exit with 115.6-hp drive motor
SSSS. Pinch Roll at Spoolers Entry with 115.6-hp drive motor
TTTT. Spooler Line 1A, including Pinch Roll #14 (115.6-hp drive motor), Pinch Roll #15 Line 1A (138.7-hp drive motor), Q-VID Fan (0.7-hp motor), Mandrel Cover with 1.5-hp drive, and 1206.4-hp spooler drive motor
UUUU. Spooler Line 1B, including Pinch Roll #16 (115.6-hp drive motor), Pinch Roll #17 Line 1A (138.7-hp drive motor), Q-VID Fan (0.7-hp motor), and 1206.4-hp spooler drive motor
VVVV. Roller Table with 3.4-hp drive motor
WWWW. Weighing Roller Table with 3.4-hp drive motor
XXXX. Three Roller Tables each with 3.4-hp drive motor and Stopper
YYYY. Ten Roller Tables each with 3.4-hp drive motor
ZZZZ. Two Evacuation Roller Tables (Forklift Prelieve) each with 3.4-hp drive motor
AAAAA. Air/Oil Lubrication Unit for Rolling Area with two pump drives (2-hp each)
BBBBB. Air/Oil Lubrication Unit for FFB Area with two pump drives (2-hp each)
CCCCC. Air/Oil Lubrication Unit for Spooler Area with two pump drives (2-hp each)
DDDDD. Three Booster Pumps (147.5-hp each) serving QTB System
EEEEE. Two Booster Pumps (20.1-hp each) serving FFB 4S
FFFFF. Two Sump Pumps (1.3-hp each) for Coil Forming Area
GGGGG. EBT Walkway with 1-hp motor
HHHHH. Hydraulic Unit for ECS, EAF, LF, including three hydraulic pumps (100-hp each) and two recirculating pumps (15-hp each)
IIIII. Carbon Capture System with emission bypass option, including fume cooling system, fume pressure control system, absorption system for CO2 separation from gas stream and CO2 liquification system

DESIGN CONDITIONS:

a. Melt Shop Dust Collectors shall be equipped with pulse-jet cleaning mechanism. (Rule 210.1)
b. Electric Arc Furnace (EAF) shall be served by direct evacuation capture (DEC) system routing emissions to the fume treatment plant. (Rule 210.1 BACT Requirement)
c. Melt shop Dust Collector exhaust stack shall be equipped with permanent sampling ports, sampling platform, access ladder, and utilities for sampling equipment. (Rule 108.1)
d. Owner/operator shall install, calibrate, maintain, and operate a continuous emission monitoring system for CO emissions (CO CEMS) from the melt shop dust collector exhaust stack. (Rules 210.1, 210.4, 40 CFR Part 64)
e. Melt shop roof distribution system shall be of enclosed design with no ventilation openings besides designated exhaust stacks (Rule 210.1 BACT)
f. Owner/operator shall install and operate a bag leak detection system (BLDS) in accordance with 40 CFR §60.273b(e) and (f), in conjunction with visible emissions observations conducted in accordance with 40 CFR §60.273b(c). (40 CFR Part 60 Subpart AAb)
g. SNCR system shall be designed such that temperatures, gas residence time, & normalized stoichiometric ratio (NSR) are optimized for control of NO_x emissions. (Rule 210.1)
h. SNCR system shall be equipped with continuous monitors for temperature and reagent flow rate. (Rule 210.1)
i. Melt Shop Dust Collector exhaust stack shall be equipped with continuous monitor/recorder, secured against tampering after calibration, for ammonia, unless the following criteria are satisfied (Rules 210.1, 419):
    i. Urea is utilized as the reagent; and
    ii. The most recent test results determine that ammonia slip from the melt shop dust collector stack does not exceed 10 ppmvd at the maximum design reagent injection rate for the SNCR system.
j. Wet scrubber shall be designed such that scrubbing liquid flow rate and pH are sufficient for control of SOx emissions. (Rule 210.1)
k. Wet scrubber equipped with operational differential pressure indicator and volumetric scrubbing liquid flow meter. (Rule 210.1)
l. Cutting torches for oversize scrap cutting shall only operate inside the melt shop and emissions shall be vented to the fume treatment plant. (Rule 210.1)

OPERATIONAL CONDITIONS:

1. Process shall be designed and operated as described in application for Authority to Construct and Environmental Impact Report (EIR). (Rules 210.1, 210.4)
2. Maximum steel production shall not exceed 456,000 tons of finished steel product per rolling 12-month period. (Rule 210.1)
3. Visible emissions from melt shop dust collector exhaust stack shall not equal or exceed 3% opacity for more than 6 minutes in any one hour. (Rule 210.1 BACT Requirement, 40 CFR Part 60 Subpart AAb)
4. Visible emissions from caster spray stack shall not exceed 5% opacity for more than 3 minutes in any one hour, not including uncombined water vapor. (Rule 210.1 BACT Requirement)
5. There shall be no visible emissions emanating from melt shop building during periods of melting and refining in the EAF. (Rule 210.1 BACT Requirement, 40 CFR Part 60 Subpart AAb)
6. During periods of charging and tapping of the EAF, visible emissions emanating from the melt shop building shall not equal or exceed 6% opacity. (Rule 210.1 BACT Requirement; Rule 423, Subpart YYYYY, 40 CFR Part 60 Subpart AAb)
7. Visible emissions from dust handling system shall not exceed 10% opacity. (Rule 210.1, 40 CFR Part 60 Suabpart AAb)
8. Dust capture system and emission control devices serving melt shop equipment shall be in operation when the EAF, LMS, or other steel processing equipment are in operation. (Rule 210.1)
9. Exhaust gas particulate matter concentration from any stack shall not exceed 0.1 grains/ft^3 of gas at standard conditions. (Rule 404.1)
10. Concentration of sulfur compounds in exhaust gas shall not exceed 0.2% by volume, calculated as sulfur dioxide. (Rule 407)
11. Material removed from fabric dust collectors shall be returned to product stream or otherwise disposed of or recycled using method preventing entrainment in atmosphere. (Rule 210.1)
12. APCO or any authorized representative shall have access to and be provided (upon request) with copies of any record required to be kept under terms and conditions of permit. Furthermore, such persons shall have access to inspect any equipment, operation, or method required in this permit, and to sample, or require sampling, of emissions sources. (Rule 107)
13. There shall be no detectable odors at the property line of the facility. (Rule 419)
14. At all times when equipment is in operation (including periods of startup, shutdown, and malfunction), the owner or operator shall, to the extent practicable, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety, manufacturer equipment operating guidelines, and good air pollution control practices for minimizing emissions. (Rule 423 Subpart YYYYY, 40 CFR §63.6(e))

Monitoring Requirements

15. Owner/operator shall monitor the PM capture system and PM control device serving the EAF in accordance with the District approved compliance assurance monitoring plan (CAM Plan) and 40 CFR §64.7, commencing no later than 180 days following District approval of the CAM Plan. (Rule 423 Subpart YYYYY, 40 CFR §63.10686(e))
16. Daily visible emission observations of shop opacity shall be conducted in accordance with 40 CFR §60.273b(d). (40 CFR Part 60 Subpart AAb)
17. Owner/operator shall satisfy the following requirements for the BLDS system (Rule 210.4 PSD, 40 CFR Part 60 Subpart AAb):
    a. BLDS shall meet the specifications in 40 CFR §60.273b(e)(1)-(3);
    b. Detection sensor(s) shall be installed downstream of the baghouse or upstream of any wet scrubber;
    c. No later than date of startup, develop and submit to the Administrator or delegated authority for approval a site-specific monitoring plan that addresses the following items;
        i. Installation of the BLDS;
        ii. Initial and periodic adjustment of the BLDS, including how the alarm setpoint will be established;

iii. Operation of the BLDS, including quality assurance procedures;
iv. How the BLDS will be maintained including a routine maintenance schedule and spare parts inventory list; and
v. How the BLDS output shall be recorded and stored
vi. Identify specific conditions that could lead to an alarm that would not be feasible to alleviate within 24-hours of alarm occurrence, and how additional time will ensure alleviation of the condition as expeditiously as possible

d. Operate and maintain the bag leak detection system according to the approved site-specific monitoring plan at all times;
e. Perform initial adjustment of the system in accordance with 40 CFR §60.273b(e)(5);
f. Only adjust averaging period, alarm set point, or alarm delay in accordance with 40 CFR §60.273b(e)(6)
g. Initiate procedures to determine the cause of all alarms within 1 hour and alleviate condition causing alarm within 24 hours of the time the alarm occurred (excluding specific conditions identified in monitoring plan) in accordance with 40 CFR §60.273b(f);

18. Observations of the opacity of the visible emissions from the EAF PM control device shall be performed at least once per day by a certified visible emission observer, in accordance with 40 CFR §60.273b(c)(2)-(3). (40 CFR Part 60 Subpart AAb)
19. When the owner or operator of an affected facility is required to demonstrate compliance with the shop opacity standards under §60.272b(a)(3), and at any other time that the Administrator may require (under Section 114 of the CAA, as amended), the owner or operator shall, during all periods in which a hood is operated for the purpose of capturing emissions from the EAF, either (40 CFR Part 60 Subpart AAb, 40 CFR §60.274b(c)):
    a. Install, calibrate, and maintain a monitoring device that continuously records the fan motor amperes at each damper position, and damper position consistent with 40 CFR §60.274b(h)(5); or
    b. Monitor and record at no greater than 15-minute integrated block average basis the volumetric flow rate through each separately ducted hood; or
    c. Install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate at the PM control device inlet, and monitor and record the damper position consistent with 40 CFR §60.274b(h)(5).

    Excluding damper position, parameters monitored shall be recorded as integrated block averages not to exceed 15 minutes.
20. During performance tests required by 40 CFR §60.272b(d) and/or §63.10686(d) and for any report thereof, or to determine compliance with §60.272b(a)(3), owner/operator shall monitor and record the following information for all heats covered by the test (Rule 423 Subpart YYYYY, 40 CFR §63.10686(d)(3); 40 CFR Part 60 Subpart AAb, §60.274b(h)):
    a. Charge weights and materials, and tap weights and materials;
    b. Heat times, including start and stop times, and a log of process operation, including periods of no operation during testing;
    c. PM control device operation log;
    d. EPA Method 9 data, or, as an alternative to EPA Method 9, according to ASTM D7520-16 (incorporated by reference from 40 CFR §60.17), with the caveats described under the definition of Shop Opacity in 40 CFR §60.271b;
    e. All damper positions, no less frequently than performed in the latest melt shop opacity compliance test for a full heat, if selected as a method to demonstrate compliance under §60.274b(b);
    f. Fan motor amperes at each damper position, if selected as a method to demonstrate compliance under §60.274b(b);
    g. Volumetric air flow rate through each separately ducted hood, if selected as a method to demonstrate compliance under §60.274b(b);
    h. Static pressure at each separately ducted hood, if selected as a method to demonstrate compliance under §60.274b(b);
    i. Parameters monitored pursuant to conditions 20.f-h above, except damper position, shall be recorded as integrated block averages not to exceed 15 minutes

21. The CO CEMS shall meet the requirements of Performance Specification 4, 4a, or 4b—Specifications and Test Procedures for Carbon Monoxide Continuous Emission Monitoring Systems in Stationary Sources, in Appendix B to 40 CFR Part 60. (Rule 210.4, 40 CFR Part 64)
22. No later than date of start-up, owner/operator shall submit for approval and implement a Quality Assurance/Quality Control Plan for the CO CEMS consistent with Procedure 1: Quality Assurance Requirements for Gas Continuous Emission Monitoring Systems Used for Compliance Determination. (Rule 210.4 PSD, 40 CFR Part 64)
23. Except for system breakdowns, repairs, calibration checks, and zero and span adjustments, the CO CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. (Rule 210.4 PSD, 40 CFR Part 64)
24. All continuous monitoring systems and monitoring devices shall be installed and operational prior to conducting performance tests under 40 CFR §60.8. Verification of operational status shall, as a minimum, include completion of the manufacturer's written requirements or recommendations for installation, operation, and calibration of the device. (Rule 423 Subpart YYYYY, 40 CFR Part 60 Subpart AAb, 40 CFR Part 64)
25. Owner/operator shall perform operational status inspections of the equipment important to the performance of the PM capture system (i.e. pressure sensors, dampers, & dampers switches) at least monthly. The inspection shall include observations of physical appearance of equipment (presence of holes in ductwork or hoods, flow constrictions from dents or excess dust, fan erosion) and building inspections to ensure the building does not have holes or openings for PM laden air to escape. Deficiencies determined to materially impact efficacy of the PM capture system shall be noted and proper maintenance performed. (40 CFR Part 60 Subpart AAb, §60.274b(d))

Recordkeeping & Reporting

26. Owner/operator shall maintain records of measurements required by 40 CFR §60.274b for a period of at least 5 years following the date of measurement. (40 CFR Part 60 Subpart AAb)
27. Owner/operator shall maintain records of all shop opacity observations made in accordance with §60.273b(d), and all observations in excess of the emission limit specified in §60.272b(a)(3) shall be reported to the Administrator or delegated authority semi-annually in accordance with 40 CFR §60.7(c). The report shall contain all information specified in 40 CFR §60.276b(g). (40 CFR Part 60 Subpart AAb)
28. Owner/operator shall maintain all records for the BLDS specified in 40 CFR §60.276b(h) for a period of at least 5 years. (40 CFR Part 60 Subpart AAb)
29. Owner/operator shall maintain records of reagent flow rate & reagent injection zone temperature from SNCR system to verify proper operation. (Rules 209 & 210.1)
30. Owner/operator shall collect periodic measurements of scrubbing liquid pH, and shall maintain records of wet scrubber pressure differential, wet scrubber scrubbing liquid flow rate, & pH measurements to verify proper operation of the wet scrubber. (Rules 209 & 210.1)
31. Owner/operator shall maintain records of operational data from monitoring equipment utilized for the SNCR system and wet scrubber for a period of five years. (Rule 210.1)
32. No later than date of startup, owner/operator shall develop and maintain a written startup, shutdown, and malfunction plan for the EAF and associated air pollution control and monitoring equipment, consistent with the requirements of 40 CFR §63.6(e)(3), and shall make such plan available for inspection by the District or Administrator upon request. Owner/operator shall maintain records and submit reports in accordance with the requirements of 40 CFR §63.6(e)(3)(iii)-(v). (Rule 423 Subpart YYYYY, 40 CFR §63.6(e))
33. No later than date of startup, owner/operator shall submit to the District for approval a compliance assurance monitoring plan (CAM Plan) for the capture system and PM control devices serving the EAF. The CAM Plan shall include monitoring criteria consistent with the requirements of 40 CFR §64.3 and the information required by 40 CFR §64.4. (Rule 423, Subpart YYYYY)
34. Owner/operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, and any written quality improvement plan (QIP) required by the CAM plan and 40 CFR §64.9(b), and shall retain such record for a period of at least 5 years. (Rule 423 Subpart YYYYY, 40 CFR §64.9(b))
35. Owner/operator shall submit compliance assurance monitoring reports no less frequently than every 6 months. Reports shall include information specified in 40 CFR §64.9, including the following: number, duration, and cause of excursions or exceedances and corrective actions taken; a summary of number, duration, and cause of monitor

downtime incidents (other than downtime associated with calibration checks). (Rule 423 Subpart YYYYY, 40 CFR §64.9(a))

36. Deviations from permit requirements attributable to breakdown or upset conditions shall be reported to the District within 48 hours after its detection unless the owner or operator demonstrates, to the satisfaction of the Control Officer, that a longer reporting period was necessary. (Rule 423 Subpart YYYYY, 40 CFR §64.9(a), 40 CFR §70.6(a)(3)(iii)(B))
37. Owner/operator shall furnish the Administrator or delegated authority with a report of the results of the test demonstrating compliance with §60.272b(a) according to paragraph 40 CFR §60.276b(i). The report shall contain the information specified in §60.276b(f). (40 CFR Part 60 Subpart AAb)
38. Within 60 days after the date of completing each performance test or demonstration of compliance required by 40 CFR Part 60 Subpart AAb, owner/operator shall submit the results to Administrator using the procedures described in 40 CFR §60.276b(i). (40 CFR Part 60 Subpart AAb)
39. Owner/operator shall submit a written report of exceedances (as defined in 40 CFR §60.276b(b)) of PM control device opacity to the Administrator or delegated authority semi-annually. (40 CFR Part 60 Subpart AAb)
40. Reports of excess emissions and monitoring system performance required pursuant to 40 CFR §60.7(c) shall be submitted semi-annually to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) (40 CFR Part 60 Subpart AAb)
41. Within 60 days following completion of the performance tests and within 30 days following the completion of opacity or visible emissions observations required by 40 CFR §63.10686(d), owner/operator shall submit to the District a compliance certification notice signed by a responsible official, and the notification shall include the information required by 40 CFR§63.9(h)(2)(i) and 40 CFR §63.10690(b)(1)-(6). (Rule 423 Subpart YYYYY)
42. Owner/operator shall submit results of ammonia testing to District within 30 days of test completion. (Rules 108.1, 209)
43. Compliance with all operational conditions shall be verified by appropriate recordkeeping, including records of operational data needed to demonstrate compliance. Such records shall be kept in readily available format for a period of 5 years and made available upon District request. (Rule 210.1)

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified in accordance with District Rule 108.1 within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rules 108.1 and 209)

Performance tests required to show compliance with the emission standards in 40 CFR §60.272b(a) shall be conducted in accordance with the requirements of 40 CFR §60.8 and 40 CFR §60.275b(e) within 180 days of initial startup of facility, and shall be repeated at least every 5 years after the initial performance tests required by 40 CFR §60.8 are conducted (40 CFR Part 60 Subpart AAb §60.272b(d))

During performance tests required in §60.8 and §60.272b(d), the owner or operator shall not add gaseous diluents to the effluent gas stream after the fabric filter in any pressurized fabric filter collector, unless the amount of dilution is separately determined and considered in the determination of emissions.

Performance tests required to show compliance with the standards listed in 40 CFR §63.10686(b) shall be conducted in accordance with the requirements of 40 CFR §63.7 and the procedures described in 40 CFR §63.10686(d)(1)-(5).

When the owner/operator is required to demonstrate compliance with the applicable standards of 40 CFR §60.272b(a) and/or §63.10686(b), and emissions from the EAF are combined with those from facilities not subject to those standards but controlled by a common PM capture system, the owner/operator shall provide notice to the Administrator or delegated authority of the procedure(s) that will be used to determine compliance. Notification of the procedure(s) to be used must be postmarked at least 30 days prior to the performance test, and approval must be received prior to conducting the performance test.

Owner/operator shall perform stack testing of the melt shop dust collector stack for PM_{10}, $PM_{2.5}$, NO_x, SO_2, VOC, and CO emissions to show initial compliance with the lb/ton steel and hourly emission limits within 180 days of startup, in accordance with District Rule 108.1. Testing shall be conducted when the EAF is operated at or near its maximum design capacity. Owner/operator shall then conduct subsequent testing annually. Annual testing for PM_{10} & $PM_{2.5}$ may be used to satisfy compliance with 40 CFR §60.272b(a)(1). (Rule 108.1)

Performance tests for compliance with PM_{10} and of $PM_{2.5}$ emission limits from the melt shop dust collector stack shall be conducted using EPA Method 201A in combination with EPA Method 202, as set forth in 40 CFR Part 51 Appendix M, In lieu of Method 201A and with prior approval from the District and the EPA (Attn: ENF-2-1), Method 5 can be used followed by particle size speciation. (Rule 108.1)

The permittee shall measure the following from the melt shop dust collector stack: NO_x in accordance with EPA Method 7E; SO_2 in accordance with EPA Method 6C; CO_2 in accordance with EPA Method 3A; and CO emissions in accordance with EPA Method 10. (Rule 108.1)

The permittee shall measure the total organic compound emissions from the melt shop dust collector stack using EPA Method 25A, from which it will subtract out methane (CH_4) and ethane (C_2H_6) emissions determined using EPA Method 18, to determine VOC emissions for purposes of this permit. Testing shall be conducted when the EAF is operated at or near its maximum design capacity. (Rule 108.1)

The District and the EPA (Attn: ENF-2-1) shall be notified in writing at least 30 days prior performance tests for PM10, PM2.5, NOx, SO2, VOC, and CO emissions to allow time for the development of an approvable performance test plan, and to arrange for an observer to be present at the test. Such prior approval will minimize the possibility of EPA rejection of test results for procedural deficiencies. (Rule 108.1, 40 CFR §60.8, 40 CFR §63.7)

Compliance with District Rule 404.1 shall be verified in accordance with the methods specified in Section IV of the Rule.

Compliance verification for greenhouse gas emissions from the EAF shall be conducted in accordance with Subpart Q to 40 CFR Part 98. (40 CFR Part 98)

Testing for compliance with ammonia slip concentration and hourly limits from the melt shop dust collector exhaust stack shall be conducted in accordance with South Coast AQMD Method 207.1 – Determination of Ammonia Emissions from Stationary Sources. Initial testing shall be completed within 180 days of startup; District shall be notified at least 30 days prior to each test in accordance with District Rule 108.1. Results of tests shall be submitted to the District within 30 days of completion of field testing. Subsequent testing shall be performed quarterly. After two consecutive quarterly tests demonstrating compliance with ammonia slip limits, testing may be performed on an annual basis. Should an annual test determine that ammonia slip exceeds concentration limit, quarterly testing shall be resumed. (Rules 108.1 and 209)

EMISSION LIMITS:

Maximum emissions rate of each air contaminant from this unit shall not exceed the following emissions limitations:

Particulate Matter (PM_{10}):
(Filterable + Condensable):

Melt Shop Fabric Collector Stack	0.0467	lb/ton steel	
	0.16	lb/ton steel	(40 CFR Part 60 Subpart AAb)
	0.0052	gr/scf	(40 CFR Part 63 Subpart YYYYY)
	2.43	lb/hr	
	58.34	lb/day	(24-hr maximum)
	10.65	ton/yr	(12-month rolling avg.)
Caster Spray Vent Stack	0.11	lb/hr	

	2.59	lb/day	(24-hr maximum)
	0.47	ton/yr	(12-month rolling avg.)
Particulate Matter ($PM_{2.5}$) (Filterable + Condensable):			
Melt Shop Fabric Collector Stack	0.0467	lb/ton steel	
	2.43	lb/hr	Rule 210.4 PSD
	58.34	lb/day	(24-hr maximum)
	10.65	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Caster Spray Vent Stack	0.01	lb/hr	Rule 210.4 PSD
	0.32	lb/day	(24-hr maximum)
	0.06	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Oxides of Sulfur (as SO_2):			
Melt Shop Fabric Collector Stack	0.101	lb/ton steel	
	5.26	lb/hr	
	126.18	lb/day	(24-hr maximum)
	23.03	ton/yr	(12-month rolling avg.)
Caster Spray Stack	0.02	lb/hr	
	0.44	lb/day	(24-hr Maximum)
	0.08	ton/yr	(12-month rolling avg.)
Oxides of Nitrogen (as NO_2):			
Melt Shop Fabric Collector Stack	0.090	lb/ton steel	
	4.68	lb/hr	
	112.44	lb/day	(24-hr maximum)
	20.52	ton/yr	(12-month rolling avg.)
Caster Spray Stack	0.006	lb/hr	
	0.15	lb/day	(24-hr maximum)
	0.03	ton/yr	(12-month rolling avg.)
Volatile Organic Compounds (VOC): (as defined in Rule 210.1)			
Melt Shop Fabric Collector Stack	0.075	lb/ton steel	
	3.90	lb/hr	
	93.60	lb/day	(24-hr maximum)
	17.10	ton/yr	(12-month rolling avg.)
Caster Spray Stack	0.02	lb/hr	
	0.46	lb/day	(24-hr maximum)
	0.08	ton/yr	(12-month rolling avg.)
Rolling Mill Vent Stack	0.83	lb/hr	
	19.98	lb/day	(24-hr maximum)
	3.65	ton/yr	(12-month rolling avg.)

Carbon Monoxide:			
Melt Shop Fabric Collector Stack	1.819	lb/ton steel	Rule 210.4 PSD, (30-day rolling avg.)
	94.68	lb/hr	Rule 210.4 PSD
	2,272.38	lb/day	(24-hr maximum)
	414.71	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Caster Spray Stack	0.49	lb/hr	
	11.75	lb/day	(24-hr maximum)
	2.15	ton/yr	(12-month rolling avg.)
Greenhouse Gase (as CO2e)s:			
Melt Shop Fabric Collector Stack	100,092	ton/yr	210.4 PSD (Rolling 12-month)
Ammonia Slip (from SNCR):	10	ppmvd	(1-hr avg) (Rule 419)
Melt Shop Fabric Collector Stack	18.25	lb/hr	(Rule 419)
	438.05	lb/day	(24-hr maximum)
	159,889.32	lb/yr	(12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and record keeping to document maximum daily emission rate) each day source is operated and such documentation of compliance shall be retained and made readily available to District for period of five years. (Rule 210.1)

SPECIAL CONDITIONS:

aa. Should initial performance testing determine that applicant proposed emission levels for PM_{10}, $PM_{2.5}$, SOx, NOx, VOC, and/or CO from the melt shop fabric collector stack cannot be achieved, and it can be verified that all equipment was installed and is being operated in accordance with design & operational conditions listed on this ATC and manufacturer's recommendations, owner/operator shall adjust operating parameters so as to comply with the emission limits listed on this ATC. (Rules 209, 210.1, 210.4)

bb. If the owner/operator is required to adjust any operating parameters for compliance, then beginning no later than 60 days after the date of the test conducted, the owner/operator shall submit to the District, on a monthly basis, a record of adjusted operating parameters and daily records of production sufficient to demonstrate compliance with the permitted emission rates. (Rules 209, 210.1, 210.4)

cc. If changes to potential to emit are necessary, within 120 days after the date of the test conducted, the owner/operator shall also submit an application to modify the ATC to correct the potential to emit from the melt shop fabric collector stack, revise the AQIA and impacts analyses pursuant to 40 CFR §52.21(k), (m), (o), and (p), and shall satisfy applicable emission offset requirements of Section III.B of Rule 210.1 for PM_{10}, SOx, NOx, and/or VOC emissions. (Rules 209, 210.1, 210.4)

C. ATC No. 5024003:

EQUIPMENT DESCRIPTION: Slag Yard Operation, including the following equipment and design specifications

A. Main Feeder (20-hp motor)
B. Syntron Feeder (5-hp motor)
C. Main Slag Conveyor (20-hp)
D. Slag Screen (25-hp)
E. Three (3) Slag Product Stacker Conveyors (15-hp each)
F. Main Metallics Feed Conveyor (20-hp)
G. Metallics Screen (25-hp)
H. Three (3) Metallics Product Stacker Conveyors (15-hp each)
I. Mill Scale Plant Main Feeder (5-hp)
J. Mill Scale Plant Main Feed Conveyor (10-hp)
K. Mill Scale Single Deck Screen (25-hp)
L. Two (2) Mil Scale Stacker Conveyors (10-hp each)
M. Main Feed Belt – Metal Recovery Plant (20-hp motor)
N. Magnetic Drum - Metal Recovery Plant (7.5-hp motor)

DESIGN CONDITIONS:

a. Crushers and screening units shall be equipped with water sprays. (Rule 210.1 BACT Requirement)
b. Conveyors shall be covered or equipped with water sprays to control visible emissions. (Rule 210.1 BACT Requirement)
c. There shall be provisions for wetting of slag and mill scale stockpiles. (Rule 210.1 BACT Requirement)
d. At least 30 days prior to startup, owner/operator shall submit to the District an Operational Fugitive Dust Emission Control Plan for District approval. Owner/operator shall operate in accordance with the Fugitive Dust Control Plan for slag handling, processing, outdoor storage piles, and unpaved vehicle traffic areas. (Rule 210.1 BACT Requirement, 402)

OPERATIONAL CONDITIONS:

1. Maximum slag throughput shall not exceed 20.3 tons per hour and 59,280 tons per year; annual throughput limits are based on a rolling 12-month period. (Rule 210.1)
2. Crushing of slag shall not exceed 1,200 tons per year, based on a rolling 12-month period. (Rule 210.1)
3. Stockpiles of raw slag, processed fines, and processed intermediates shall not exceed 577.6 m^2 (0.14 acres). (Rule 210.1)
4. Visible emissions from crushing shall not exceed 10% opacity. (Rule 210.1 BACT Requirement)
5. Visible emissions from screening, handling, and transfer of slag and mill scale shall not exceed 5% opacity or Ringelmann ¼ for more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement)
6. Visible emissions from slag and mill scale stockpiles shall not exceed 10% opacity or Ringelmann ½ for more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement)
7. Equipment shall be maintained according to manufacturer's specifications to ensure compliance with emissions limitations. (Rules 210.1 BACT Requirement)
8. Compliance with all operational conditions shall be verified by appropriate recordkeeping, including records of operational data needed to demonstrate compliance. Such records shall include at least daily process weight rates and be kept on site in readily available format for at least three years. (Rule 210.1)

CONSTRUCTION ACTIVITY:

All construction phase emissions shall be controlled utilizing reasonably available control provisions, e.g. construction site and unsurfaced roadway dust control, conscientious maintenance of mobile and piston engine-powered equipment,

etc.

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified in accordance with District Rule 108.1 within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rules 108.1 and 209)

EMISSION LIMITS:
Maximum emissions rate of each air contaminant from the Slag Yard Operation shall not exceed following limits:

Particulate Matter (PM_{10}): (Filterable + Condensable):

Crushing	0.0002	lb/hr	
	0.005	lb/day	(24-hr maximum)
	0.003	ton/yr	(12-month rolling avg.)
Screening	0.02	lb/hr	
	0.36	lb/day	(24-hr maximum)
	0.02	ton/yr	(12-month rolling avg.)
Handling & Transfer	0.01	lb/hr	
	0.16	lb/day	(24-hr maximum)
	0.01	ton/yr	(12-month rolling avg.)
Stockpiles	2.38	lb/day	(24-hr maximum)
	0.43	ton/yr	(12-month rolling avg.)
Total:	**0.16**	**lb/hr**	
	2.91	**lb/day**	(24-hr maximum)
	0.47	**ton/yr**	(12-month rolling avg.)

Particulate Matter ($PM_{2.5}$): (Filterable + Condensable):

Crushing	0.00004	lb/hr	Rule 210.4 PSD
	0.001	lb/day	(24-hr maximum)
	0.0001	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Screening	0.001	lb/hr	Rule 210.4 PSD
	0.02	lb/day	(24-hr maximum)
	0.001	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Handling & Transfer	0.002	lb/hr	Rule 210.4 PSD
	0.04	lb/day	(24-hr maximum)
	0.003	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Stockpiles	0.26	lb/day	(24-hr maximum)
	0.07	ton/yr	Rule 210.4 PSD (12-month rolling avg.)
Total:	**0.01**	**lb/hr**	Rule 210.4 PSD
	0.33	**lb/day**	(24-hr maximum)
	0.07	**ton/yr**	Rule 210.4 PSD (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and record keeping to document maximum daily emission rate) each day source is operated and such documentation of compliance shall be retained and made readily available to the District for period of five years. (Rule 210.1)

D. ATC No. 5024004:

EQUIPMENT DESCRIPTION: Cooling Tower #1, including following equipment and design specifications:

A. Melt Shop CW Circuit 1 with four pumps (337.8-hp each) and two booster pumps (115.3-hp each)
B. Melt Shop CW Circuit 2 with two Pumps (29.5-hp each) and three booster pumps (115.3-hp each)
C. Rolling Mill Circuit 1 with three pumps (138.1-hp each)
D. Secondary Cooling CW Circuit 1 with two pumps (29.5-hp each)
E. Circuit CW Cooling Tower with four Cells each containing a 100.5-hp fan motor (402.1-hp)
F. Circuit CW Emergency System Pump (138.1-hp)

OPERATIONAL CONDITIONS:

1. The Permittee shall install, maintain, and operate drift eliminators on the cooling towers such that the guaranteed design total drift rate does not exceed 0.0005% of circulating water flow.. (Rule 210.1 BACT Requirement)
2. Visible emissions from cooling tower (excluding uncombined water vapor plumes) shall not exceed 5% opacity for more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement)
3. Cooling tower total dissolved solids (TDS) shall not exceed 4000 ppmv by weight. (Rule 210.1)
4. Cooling water volumetric flow rate shall not exceed 16,039-gal/minute. (Rule 210.1)
5. Exhaust gas particulate matter concentration shall not exceed 0.1 grains/ft^3 of gas at standard conditions. (Rule 404.1)
6. Hexavalent chromium containing compounds shall not be added to cooling tower circulating water. (Rule 429.1)
7. Compliance with TDS limit shall be determined by electrical conductivity (EC) measurement or water sample analysis by independent laboratory at cooling tower(s) intake(s) within 60 days of initial operation and quarterly thereafter. (Rule 210.1)
8. Operator shall collect EC measurements and corresponding calculated TDS value; values shall be recorded in a readily available format for District inspection and maintained for a minimum of five years. (Rule 210.1)
9. Equipment, including EC meter, shall be maintained and calibrated according to manufacturer's specifications to ensure compliance with emissions limitations. (Rules 209 and 210.1)

CONSTRUCTION ACTIVITY:

All construction phase emissions shall be controlled utilizing reasonably available control provisions, e.g. construction site and unsurfaced roadway dust control, conscientious maintenance of mobile and piston engine-powered equipment, etc.

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified in accordance with District Rule 108.1 within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rules 108.1 and 209)

EMISSION LIMITS:

Maximum emissions rate of each air contaminant from this emission unit shall not exceed following limits:

Particulate Matter (PM_{10}): (Filterable + Condensable):

0.09	lb/hr	
2.15	lb/day	(24-hr maximum)
0.39	ton/yr	(12-month rolling avg.)

Particulate Matter ($PM_{2.5}$): (Filterable + Condensable):

0.0003	lb/hr	Rule 210.4 PSD
0.008	lb/day	(24-hr maximum)
0.002	ton/yr	Rule 210.4 PSD (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and record keeping documenting maximum daily emission rate) each day source is operated, and such documentation of compliance shall be retained and made readily available to District for period of five years. (Rule 210.1)

E. ATC No. 5024005:

EQUIPMENT DESCRIPTION: Cooling Tower #2, including following equipment and design specifications:

A. Circuit KW Cooling Tower with Two (2) Cells each containing a 29.5-hp fan motor (59-hp)
B. Melt Shop KW Circuit 1 with two pumps (203.8-hp each)
C. Rolling Mill CW Circuit 1 with two pumps (246.6-hp each)
D. Rolling Mill KW Circuit 2 with four pumps (115.3-hp each)
E. Rolling Mill KW Return Circuit 1 with submersible pump (56.3-hp)
F. Rolling Mill KW Return Circuit 3 with three submersible pumps (33.5-hp each)
G. Circuit KW Treatment Bucket with 10.1-hp motor
H. Three Circuit KW Treatment Pumps (69.7-hp each)
I. Circuit KW Treatment Oil Skimmer with 0.2-hp motor
J. Filter Backwashing with main blower (40.2-hp), hood fan blower (0.3-hp), and two pumps (9.4-hp each)
K. Drain Pit with mixer (5.4-hp) and two submersible pumps (14.7-hp each)

OPERATIONAL CONDITIONS:

1. The Permittee shall install, maintain, and operate drift eliminators on the cooling towers such that the guaranteed design total drift rate does not exceed 0.0005% of circulating water flow. (Rule 210.1 BACT Requirement)
2. Visible emissions from cooling tower (excluding uncombined water vapor plumes) shall not exceed 5% opacity for more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement)
3. Cooling tower total dissolved solids (TDS) shall not exceed 4000 ppmv by weight. (Rule 210.1)
4. Cooling water volumetric flow rate shall not exceed 3,742-gal/minute. (Rule 210.1)
5. Exhaust gas particulate matter concentration shall not exceed 0.1 grains/ft^3 of gas at standard conditions. (Rule 404.1)
6. Hexavalent chromium containing compounds shall not be added to cooling tower circulating water. (Rule 429.1)
7. Compliance with TDS limit shall be determined by electrical conductivity (EC) measurement or water sample analysis by independent laboratory at cooling tower(s) intake(s) within 60 days of initial operation and quarterly thereafter. (Rule 210.1)
8. Operator shall collect EC measurements and corresponding calculated TDS value; values shall be recorded in a readily available format for District inspection and maintained for a minimum of five years. (Rule 210.1)
9. Equipment, including EC meter, shall be maintained and calibrated according to manufacturer's specifications to ensure compliance with emissions limitations. (Rules 209 and 210.1)
10. There shall be no detectable odors at the property line of the facility. (Rule 419)

CONSTRUCTION ACTIVITY:

All construction phase emissions shall be controlled utilizing reasonably available control provisions, e.g. construction site and unsurfaced roadway dust control, conscientious maintenance of mobile and piston engine-powered equipment, etc.

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified in accordance with District Rule 108.1 within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rule 108.1 and 209)

EMISSION LIMITS:

Maximum emissions rate of each air contaminant from this emission unit shall not exceed following limits:

Particulate Matter (PM_{10}): (Filterable + Condensable):	0.021	lb/hr	
	0.50	lb/day	(24-hr maximum)
	0.09	ton/yr	(12-month rolling avg.)
Particulate Matter ($PM_{2.5}$): (Filterable + Condensable):	0.0001	lb/hr	Rule 210.4 PSD
	0.002	lb/day	(24-hr maximum)
	0.0003	ton/yr	Rule 210.4 PSD (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and record keeping documenting maximum daily emission rate) each day source is operated, and such documentation of compliance shall be retained and made readily available to District for period of five years. (Rule 210.1)

F. ATC No. 5024006

EQUIPMENT DESCRIPTION: Cooling Tower #3, including following equipment and design specifications:

A. Cooling Tower with two Cells each containing a 50-hp fan motor (100-hp)
B. Pumps with TBD quantity and hp ratings (engineering design pending)

OPERATIONAL CONDITIONS:

1. The Permittee shall install, maintain, and operate drift eliminators on the cooling towers such that the guaranteed design total drift rate does not exceed 0.0005% of circulating water flow. (Rule 210.1 BACT Requirement)
2. Visible emissions from cooling tower (excluding uncombined water vapor plumes) shall not exceed 5% opacity for more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement
3. Cooling tower total dissolved solids (TDS) shall not exceed 4000 ppmv by weight. (Rule 210.1)
4. Cooling water volumetric flow rate shall not exceed 5,723-gal/minute. (Rule 210.1)
5. Exhaust gas particulate matter concentration shall not exceed 0.1 grains/ft^3 of gas at standard conditions. (Rule 404.1)
6. Hexavalent chromium containing compounds shall not be added to cooling tower circulating water. (Rule 429.1)
7. Compliance with TDS limit shall be determined by electrical conductivity (EC) measurement or water sample analysis by independent laboratory at cooling tower(s) intake(s) within 60 days of initial operation and quarterly thereafter. (Rule 210.1)
8. Operator shall collect EC measurements and corresponding calculated TDS value; values shall be recorded in a readily available format for District inspection and maintained for a minimum of five years. (Rule 210.1)
9. Equipment, including EC meter, shall be maintained and calibrated according to manufacturer's specifications to ensure compliance with emissions limitations. (Rules 209 and 210.1)

CONSTRUCTION ACTIVITY:

All construction phase emissions shall be controlled utilizing reasonably available control provisions, e.g. construction site and unsurfaced roadway dust control, conscientious maintenance of mobile and piston engine-powered equipment, etc.

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rule 108.1 and 209)

EMISSION LIMITS:

Maximum emissions rate of each air contaminant from this emission unit shall not exceed following limits:

Particulate Matter (PM_{10}): (Filterable + Condensable):	0.032	lb/hr	
	0.77	lb/day	(24-hr maximum)
	0.14	ton/yr	(12-month rolling avg.)
Particulate Matter ($PM_{2.5}$): (Filterable + Condensable):	0.0001	lb/hr	Rule 210.4 PSD
	0.003	lb/day	(24-hr maximum)
	0.0005	ton/yr	Rule 210.4 PSD (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and record keeping documenting maximum daily emission rate) each day source is operated, and such documentation of compliance shall be retained and made readily available to District for period of five years. (Rule 210.1)

SPECIAL CONDITIONS:

aa. Upon finalization of Cooling Tower #3 engineering designs, owner/operator shall submit such information to the District. Should total electric motor horsepower exceed 200-hp, owner/operator shall submit application to modify ATC. (Rule 302)

G. ATC No. 5024007:

EQUIPMENT DESCRIPTION: Cooling Tower #4, including following equipment and design specifications:

A. Cooling Tower with one cell containing a 15-hp fan motor
B. Pumps with TBD quantity and hp ratings (engineering design pending)

OPERATIONAL CONDITIONS:

1. The Permittee shall install, maintain, and operate drift eliminators on the cooling towers such that the guaranteed design total drift rate does not exceed 0.0005% of circulating water flow. (Rule 210.1 BACT Requirement)
2. Visible emissions from cooling tower (excluding uncombined water vapor plumes) shall not exceed 5% opacity for more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement
3. Cooling tower total dissolved solids (TDS) shall not exceed 4000 ppmv by weight. (Rule 210.1)
4. Cooling water volumetric flow rate shall not exceed 484-gal/minute. (Rule 210.1)
5. Exhaust gas particulate matter concentration shall not exceed 0.1 grains/ft^3 of gas at standard conditions. (Rule 404.1)
6. Hexavalent chromium containing compounds shall not be added to cooling tower circulating water. (Rule 429.1)
7. Compliance with TDS limit shall be determined by electrical conductivity (EC) measurement or water sample analysis by independent laboratory at cooling tower(s) intake(s) within 60 days of initial operation and quarterly thereafter. (Rule 210.1)
8. Operator shall collect EC measurements and corresponding calculated TDS value; values shall be recorded in a readily available format for District inspection and maintained for a minimum of five years. (Rule 210.1)
9. Equipment, including EC meter, shall be maintained and calibrated according to manufacturer's specifications to ensure compliance with emissions limitations. (Rules 209 and 210.1)

CONSTRUCTION ACTIVITY:

All construction phase emissions shall be controlled utilizing reasonably available control provisions, e.g. construction site and unsurfaced roadway dust control, conscientious maintenance of mobile and piston engine-powered equipment, etc.

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified in accordance with District Rule 108.1 within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rule 108.1 and 209)

EMISSION LIMITS:

Maximum emissions rate of each air contaminant from this emission unit shall not exceed following limits:

Particulate Matter (PM_{10}): (Filterable + Condensable):	0.003	lb/hr	
	0.06	lb/day	(24-hr maximum)
	0.01	ton/yr	(12-month rolling avg.)
Particulate Matter ($PM_{2.5}$): (Filterable + Condensable):	0.00001	lb/hr	Rule 210.4 PSD
	0.0002	lb/day	(24-hr maximum)
	0.00004	ton/yr	Rule 210.4 PSD (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and record keeping documenting maximum daily emission rate) each day source is operated, and such documentation of compliance shall be retained and made readily available to District for period of five years. (Rule 210.1)

Special Conditions:

aa. Upon finalization of Cooling Tower #4 engineering designs, owner/operator shall submit such information to the District. Should total electric motor horsepower exceed 25-hp, owner/operator shall submit application to modify ATC. (Rule 302)

H. ATC No. 5024008:

EQUIPMENT DESCRIPTION: Emergency Firewater Pump driven by propane engine, including following equipment and design specifications:

Emergency Firewater Pump driven by <Mfr. TBD> Model <TBD> EPA certified, 600-bhp propane-fueled lean-burn internal combustion engine (S/N TBD)

DESIGN CONDITIONS:

a. Engine shall be of lean-burn design (exhaust gas oxygen content ≥4% by volume). (Rule 210.1 BACT Requirement)
b. Non-resettable hour meter shall be installed and maintained indicating cumulative hours of engine operating time. (Rule 210.1)
c. Engine shall be equipped with a permanently affixed placard readily available for inspection with the following engine information: brake horsepower, make, model, and serial number. (Rule 210.1)

OPERATIONAL CONDITIONS:

1. Engine operation shall not exceed 200 hours per year. (Rules 210.1, 427)
2. Engine shall either be certified by the manufacturer to meet the BACT emission standards listed on this permit, or shall be tested for compliance with those standards in accordance with 40 CFR §60.4243(b)(2)(ii) and the procedures contained in 40 CFR §60.4244. (Rules 210.1 BACT, 423 Subpart ZZZZ, 40 CFR §63.6590(c)(1), §60.4233(e), §60.4243(b))
3. There shall be no visible emissions from engine exhaust after achieving normal operating temperature. (Rule 210.1 BACT Requirement)
4. Exhaust gas particulate matter concentration shall not exceed 0.1 grains/ft^3 of gas at standard conditions. (Rule 404.1)
5. Propane for subject internal combustion engine shall conform to National Propane Gas Association (NPGA) specifications of "Commercial Propane" (including sulfur content not to exceed 15 grains per 100 cubic feet as determined by NPGA Volatile Sulfur Test). (Rule 210.1 BACT Requirement)
6. Equipment shall be operated and maintained according to manufacturer's emission-related written instructions to ensure compliance with emission limitations. (Rules 210.1, 423 Subpart ZZZZ)
7. Compliance with all operational conditions shall be verified by appropriate recordkeeping, including records of operational data needed to demonstrate compliance. Such records shall be kept on site in readily available format. (Rule 210.1)

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rule 108.1 and 209)

EMISSION LIMITS:

Maximum emissions rate of each air contaminant from this emission unit shall not exceed following limits:

Particulate Matter (PM_{10} & $PM_{2.5}$):
(Filterable + Condensable):

0.14	lb/hr
3.34	lb/day (24-hr maximum)
0.01	ton/year (12-month rolling avg.)

Oxides of Sulfur (SOx as SO_2):

	0.01	lb/hr
	0.23	lb/day (24-hr maximum)
	0.001	ton/year (12-month rolling avg.)
Oxides of Nitrogen (NOx):	0.50	g/bhp-hr (BACT Requirement)
	0.66	lb/hr
	15.87	lb/day (24-hr maximum)
	0.07	ton/year (12-month rolling avg.)
Volatile Organic Compounds (VOC):	1.0	g/bhp-hr (BACT Requirement)
	1.32	lb/hr
	31.75	lb/day (24-hr maximum)
	0.13	ton/year (12-month rolling avg.)
Carbon Monoxide (CO):	1.6	g/bhp-hr (BACT Requirement)
	2.12	lb/hr
	50.79	lb/day (24-hr maximum)
	0.21	ton/year (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and recordkeeping to document maximum daily emission rate) each day source is operated and such documentation of compliance shall be retained and made readily available to District for period of five years. (Rule 210.1)

I. ATC No. 5024009:

EQUIPMENT DESCRIPTION: Emergency Cooling Water Pump, including following equipment and design specifications:

Emergency Cooling Water Pump driven by <TBD mfr.> Model <TBD> 200-bhp propane-fueled, lean burn internal combustion engine (S/N TBD)

DESIGN CONDITIONS:

a. Engine shall be of lean-burn design (exhaust gas oxygen content ≥4% by volume). (Rule 210.1 BACT Requirement)
b. Non-resettable hour meter shall be installed and maintained indicating cumulative hours of engine operating time. (Rule 210.1)
c. Engine shall be equipped with a permanently affixed placard readily available for inspection with the following engine information: brake horsepower, make, model, and serial number. (Rule 210.1)

OPERATIONAL CONDITIONS:

1. Engine operation shall not exceed 200 hours per year. (Rules 210.1, 427)
2. Engine shall either be certified by the manufacturer to meet the BACT emission standards listed on this permit, or shall be tested for compliance with those standards in accordance with 40 CFR §60.4243(b)(2)(i) and the procedures contained in 40 CFR §60.4244. (Rules 210.1 BACT, 423 Subpart ZZZZ, 40 CFR §63.6590(c)(1), §60.4233(e), §60.4243(b))
3. There shall be no visible emissions from engine exhaust after achieving normal operating temperature. (Rule 210.1 BACT Requirement)
4. Exhaust gas particulate matter concentration shall not exceed 0.1 grains/ft^3 of gas at standard conditions. (Rule 404.1)
5. Propane for subject internal combustion engine shall conform to National Propane Gas Association (NPGA) specifications of "Commercial Propane" (including sulfur content not to exceed 15 grains per 100 cubic feet as determined by NPGA Volatile Sulfur Test). (Rule 210.1 BACT Requirement)
6. Equipment shall be operated and maintained according to manufacturer's emission-related written instructions to ensure compliance with emission limitations. (Rules 210.1, 423 Subpart ZZZZ)
7. Compliance with all operational conditions shall be verified by appropriate recordkeeping, including records of operational data needed to demonstrate compliance. Such records shall be kept on site in readily available format. (Rule 210.1)

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rules 108.1 and 209)

EMISSION LIMITS:
Maximum emissions rate of each air contaminant from this emission unit shall not exceed following limits:

Particulate Matter (PM_{10} & $PM_{2.5}$):
(Filterable + Condensable):

0.05	lb/hr
1.11	lb/day (24-hr maximum)
0.005	ton/year (12-month rolling avg.)

Oxides of Sulfur (SOx as SO_2):

0.003	lb/hr

	0.08	lb/day (24-hr maximum)
	0.0003	ton/year (12-month rolling avg.)
Oxides of Nitrogen (NOx):	1.0	g/bhp-hr (BACT Requirement)
	0.44	lb/hr
	10.58	lb/day (24-hr maximum)
	0.04	ton/year (12-month rolling avg.)
Volatile Organic Compounds (VOC):	1.0	g/bhp-hr (BACT Requirement)
	0.44	lb/hr
	10.58	lb/day (24-hr maximum)
	0.04	ton/year (12-month rolling avg.)
Carbon Monoxide (CO):	1.6	g/bhp-hr (BACT Requirement)
	0.71	lb/hr
	16.93	lb/day (24-hr maximum)
	0.07	ton/year (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and recordkeeping to document maximum daily emission rate) each day source is operated and such documentation of compliance shall be maintained and made readily available to District for period of five years. (Rule 210.1)

J. ATC No. 5024010:

EQUIPMENT DESCRIPTION: Emergency Generator Set, including following equipment and design specifications:

Emergency Generator Set driven by <TBD mfr.> Model <TBD> 2,682-bhp propane-fueled, lean burn piston engine (S/N TBD)

DESIGN CONDITIONS:

a. Engine shall be of lean-burn design (exhaust gas oxygen content ≥4% by volume). (Rule 210.1 BACT Requirement)
b. Elapsed time meter shall be installed and maintained indicating cumulative hours of engine operating time. (Rule 210.1)
c. Engine shall be equipped with a permanently affixed placard readily available for inspection with the following engine information: brake horsepower, make, model, and serial number. (Rule 210.1)

OPERATIONAL CONDITIONS:

1. Engine operation shall not exceed 200 hours per year. (Rule 210.1)
2. Engine shall either be certified by the manufacturer to meet the BACT emission standards listed on this permit, or shall be tested for compliance with those standards in accordance with 40 CFR §60.4243(b)(2)(ii) and the procedures contained in 40 CFR §60.4244. (Rules 210.1 BACT, 423 Subpart ZZZZ, 40 CFR §63.6590(c)(1), §60.4233(e), §60.4243(b))
3. There shall be no visible emissions from engine exhaust after achieving normal operating temperature. (Rule 210.1 BACT Requirement)
4. Exhaust gas particulate matter concentration shall not exceed 0.1 grains/ft^3 of gas at standard conditions. (Rule 404.1)
5. Propane for subject internal combustion engine shall conform to National Propane Gas Association (NPGA) specifications of "Commercial Propane" (including sulfur content not to exceed 15 grains per 100 cubic feet as determined by NPGA Volatile Sulfur Test). (Rule 210.1 BACT Requirement)
6. Equipment shall be operated and maintained according to manufacturer's emission-related written instructions to ensure compliance with emission limitations. (Rules 210.1, 423 Subpart ZZZZ)
7. Compliance with all operational conditions shall be verified by appropriate recordkeeping, including records of operational data needed to demonstrate compliance. Such records shall be kept on site in readily available format. (Rule 210.1)

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rule 108.1 and 209)

EMISSION LIMITS:
Maximum emissions rate of each air contaminant from this emission unit shall not exceed following limits:

Particulate Matter (PM_{10} & $PM_{2.5}$):
(Filterable + Condensable):

(Filterable + Condensable)	0.62	lb/hr
	14.93	lb/day (24-hr maximum)
	0.06	ton/year (12-month rolling avg.)

Oxides of Sulfur (SOx as SO_2):

	0.04	lb/hr
	1.04	lb/day (24-hr maximum)

	0.004	ton/year (12-month rolling avg.)
Oxides of Nitrogen (NOx):	0.50	g/bhp-hr (BACT Requirement)
	2.96	lb/hr
	70.95	lb/day (24-hr maximum)
	0.30	ton/year (12-month rolling avg.)
Volatile Organic Compounds (VOC):	1.0	g/bhp-hr (BACT Requirement)
	5.91	lb/hr
	141.91	lb/day (24-hr maximum)
	0.59	ton/year (12-month rolling avg.)
Carbon Monoxide (CO):	1.6	g/bhp-hr (BACT Requirement)
	9.46	lb/hr
	227.05	lb/day (24-hr maximum)
	0.95	ton/year (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and recordkeeping to document maximum daily emission rate) each day source is operated and such documentation of compliance shall be maintained and made readily available to District for period of five years. (Rule 210.1)

K. ATC No. 5024011:

EQUIPMENT DESCRIPTION: Aboveground Gasoline Storage and Dispensing Operation, including the following equipment and design specifications:

A. 500-gallon (Model TBD) regular unleaded gasoline aboveground storage tank (AST) with a permanently affixed fill tube termination no more than six inches from bottom of tank and provisions for collection of gasoline vapors during filling (ATC No. 5024011)

B. Standing Loss Control (CARB Executive Order VR-302) , including the following CARB certified components:

Component	Manufacturer/Model Number
Pressure Vacuum Relief Valve	Husky 5885 or Franklin Fueling Systems PV-Zero

C. Phase I (filling of storage tank) vapor recovery system, including one of the following sets of CARB certified components:

	Component	Manufacturer/Model Number	
		Executive Order VR-401	Executive Order VR-402
1.	**Emergency Vent**	OPW 301	Morrison 244O
2.	**Drop Tube**	OPW 61FT	Morrison 419
3.	**Overfill Prevention Valve**	OPW 61fSTOP	Morrison 9095
5.	**Spill Container**	OPW 33 or 53 Series	Morrison 516
6.	**Liquid Fill Adapter**	OPW 161BAN	Morrison 927
7.	**Liquid Fill Cap**	OPW 634B	Morrison 735DC
8.	**Liquid Coupler**	OPW 1711D	Morrison 928
9.	**Vapor Adapter**	OPW 1611AV or 61VSA	Morrison 323
10.	**Vapor Cap**	OPW 1711T	Morrison 323C

D. Model <TBD> gasoline dispenser with one product nozzle; and

E. Phase II (fueling of vehicle tank) without vapor recovery (CARB Executive Order NVR-1-F), including the following CARB certified components:

	Component	Manufacturer/Model Number
1.	**Nozzle**	OPW 14E; or VST Enviro-Loc; or Husky 6025
2.	**Dispensing Hose**	Contitech Futura Low Perm; or Parker 7282 Low Perm; or VST V58EC; or VST V34EC; or Husky 6025

DESIGN CONDITIONS:

a. Gasoline storage tank shall be of make & model approved in CARB Executive Order VR-302. (Rule 412)

OPERATIONAL CONDITIONS:

1. Gasoline throughput from tank shall not exceed 3,500 gallons per year. (Rule 210.1)
2. Gasoline shall only be dispensed to vehicles owned by PSGM3 or its authorized partner(s) that are equipped with Onboard Refueling Vapor Recovery (ORVR) equipment. (Rule 210.1 BACT Requirement).
3. Storage/dispensing facility shall be equipped with California Air Resources Board (CARB) "certified" Phase I (filling of storage tanks) gasoline vapor control system. (Rule 412)
4. Phase I vapor control system shall be of CARB certified design and installed, operated, and maintained in accordance with manufacturer's recommendation to prevent at least 98% by weight of all gasoline vapors from entering atmosphere. (Rules 210.1, 412)
5. Gasoline storage tank shall be equipped with pressure/vacuum relief valve set to 2.5 to 6.0 in. H_2O positive pressure and 6.0 to 10.0 in. H_2O negative pressure. (Rule 412)

6. All Phase I (filling of storage tank) vapor recovery equipment shall be used when tanks are filled. (Rule 412)
7. Gasoline flow through any nozzle shall not exceed 10 gallons per minute. (Rule 412.1)
8. Tank shall be equipped with permanently submerged fill pipe terminating no more than six inches from bottom of tank. (Rule 412)
9. Phase I Vapor Recovery Systems shall be installed, started up, maintained and repaired only by person(s) certified by the system manufacturer(s) to perform such work. A copy of such person's certification shall be kept in the facility's repair log. (Rule 412.1)
10. The vapor recovery systems and their components shall be operated and maintained in accordance with the State certification requirements. (Rules 412 and 412.1)
11. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attests to the vapor integrity of the tank. (Rule 412)
12. Vapor recovery systems and gasoline dispensing equipment shall be maintained leak-free. A "leak" is defined as the dripping of liquid volatile organic compounds at a rate of three or more drops per minute, or vapor volatile organic compounds in excess of 10,000-ppm as equivalent methane as determined by EPA Test Method 21. (Rule 412.1)
13. The permittee shall perform the required maintenance as specified in ARB-Approved Installation and Maintenance Manual for the Phase I Vapor Recovery System. (Rule 412)
14. The permittee shall perform and pass a Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks in accordance with Exhibit 6 of Executive Order VR-401 or VR-402 within 60 days of startup and at least once every three years. (Rule 412)
15. The permittee shall perform and pass a pressure integrity test on all pressure/vent (PV) valves serving gasoline storage tanks in accordance with ARB Test Procedure TP-201.1E at least once every 12 months. (Rule 210.1)
16. The operator shall conduct periodic maintenance inspections of the Phase I vapor recovery systems, as specified in Section IV.D of District Rule 412 based on the amount of gasoline dispensed by the facility in a calendar month as follows:
    a. Less than 2,500 gallons – one day per month
    b. 2,500 to less than 25,000 gallons per month - one day per week;
    b. Greater than or equal to 25,000 gallons per month - five days per week.
    All inspections shall be documented within the O&M manual. (Rule 412.1)
17. The operator shall maintain monthly gasoline throughput records. (Rule 412.1)
18. Owner/operator shall maintain records of all vehicles utilizing gasoline tank dispenser, including make, model, model year, and vehicle identification number. (Rule 210.1)
19. All records required by this permit shall be retained on-site, in a format approved in writing by the District, for a period of at least three years and shall be made available for inspection upon request. (Rules 210.1, 412.1)
20. The operator shall maintain on the premises a log of any repairs made to the certified Phase I or vapor recovery system. The repair log shall include the following:
    a. Date and time of each repair;
    b. Name of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer;
    c. Description of service performed;
    d. Each component that was repaired, serviced, or removed;
    e. Each component that was installed as replacement, if applicable; and
    f. Receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. (Rule 412.1)
21. Any tank with vapor recovery system having defect shall not be operated until defect has been repaired, replaced, or adjusted as necessary to correct defect, and District has re-inspected system or has authorized its use pending re-inspection. All such defects shall be tagged "out of service" upon detection. (Rule 412 and 412.1)
22. The District shall be notified by the permittee at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after test completion. (District Rule 412)
23. The District shall be notified within 24 hours of the facility's pass/fail status after the performance of each test. (District Rules 108.1, 209)

CONSTRUCTION ACTIVITY:

All construction phase emissions shall be controlled utilizing reasonably available control provisions, e.g. construction site and unsurfaced roadway dust control, conscientious maintenance of mobile and piston engine-powered equipment, etc.

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with any emission limitations shall be verified in accordance with District Rule 108.1 within 60 days of District request. Test results shall be submitted to the District within 30 days after test completion. (Rules 108.1 and 210.1)

EMISSION LIMITS:

Maximum emission rate of each air contaminant from this emission unit shall not exceed the following limits:

Volatile Organic Compounds (VOC):	0.09	lb/hr
	0.45	lb/day (24-hr maximum)
	0.002	ton/year (12-month rolling avg.)

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and recordkeeping to document maximum daily emission rate) each day source is operated and such documentation of compliance shall be maintained and made readily available to District for period of five years. (Rule 210.1)

SPECIAL CONDITIONS:

aa. Vapor-return and/or vapor control systems used to comply with requirements of this Authority to Construct shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations. (Rule 412)
bb. System and components shall be of California Air Resources Board certified design, any component changes shall be approved in advance by the District. (Rule 412 and 412.1)