DES
DEPARTMENT OF ENVIRONMENT AND SUSTAINABILITY
air quality desert conservation PROGRAM sustainability

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PART 70 OPERATING PERMIT

SOURCE ID: 114

99th Civil Engineer Squadron, Nellis Air Force Base
4430 Grissom Avenue, Suite 101
Nellis AFB, Nevada 89191

ISSUED ON: June 15, 2021 **EXPIRES ON: June 14, 2026**

Current action: Revision

Current action date: February 24, 2022

Issued to:

99 Civil Engineer Squadron
4430 Grissom Avenue, Suite 101
Nellis AFB, Nevada 89191

Responsible Official:

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NATURE OF BUSINESS:
SIC code 9711, "National Security"
NAICS code 928110, "National Security"

Issued by the Clark County Department of Environment and Sustainability in accordance with Section 12.5 of the Clark County Air Quality Regulations.

Theodore A. Lendis, Permitting Manager

EXECUTIVE SUMMARY

Nellis Air Force Base (NAFB) is located in Clark County, Nevada, near the City of Las Vegas. NAFB is a major source located in the Las Vegas Valley (Hydrographic Area 212) and the Black Mountains Areas (Hydrographic Area 215). Hydrographic Area 212 is currently designated as attainment for all pollutants except ozone; it was designated a marginal nonattainment area for ozone on August 3, 2018, for the 2015 standard. The designation has not imposed any new requirements at this time. The Black Mountains Area is in attainment for all criteria pollutants.

NAFB is permitted as a Part 70 major source of NO_X, a synthetic minor 80 (SM80) of VOC, a synthetic minor source for PM_{10}, $PM_{2.5}$, CO, and HAP, and a minor source for SO_2. NAFB is a source of greenhouse gases (GHG). NAFB belongs to a stationary source category which, as of August 7, 1980, is being regulated under Section 111 or 112 of the Act (Asphalt Plants). Therefore, fugitive emissions are included in source status determination. All of the activities and emission units (EU) at NAFB are classified as Standard Industrial Code (SIC) 9711 and North American Industry Classification System (NAICS) Code 928110, "National Security."

The emission units and activities at NAFB base are divided into three geographic areas, which vary both in size and purpose. Area I (the Main Base) consists of the flight line and a wide variety of commercial and industrial use in support of the base's mission. Area II is located to the east of the Main Base and includes the munitions storage and the Red Horse Squadron complex along with its mineral processing, asphalt batch plant, and concrete batch plant activities. Area III is a 1.9 square mile portion to the north of the Main Base and includes the bulk fuels storage area, Security Police Squadron facilities, open space and other support facilities.

The following table summarizes the source-wide potential to emit (PTE) for each regulated air pollutant:

Source PTE (tons per year)

PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC	HAP	GHG[1]
46.50	19.81	188.87	64.10	3.95	81.97	20.18	33,952.41

[1]GHG expressed as CO_2.

Clark County Department of Environment and Sustainability (DES) has delegated authority to implement the requirement of the Part 70 Operating Permit (Part 70 OP) program. Based on information submitted by the applicant and a technical review performed by the Division of Air Quality (DAQ) staff, DAQ issued a renewal to the Part 70 OP on June 15, 2021. This permitting action is based on the AQR 12.4.3.2(b) revision applications submitted on March 10, 2021, May 27, 2021, and July 14, 2021.

Pursuant to AQR 12.5, all terms and conditions in all the Sections and the Attachments in this permit are federally enforceable unless explicitly denoted otherwise.

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I. ACRONYMS AND ABBREVIATIONS

AB	afterburner
AQR	Clark County Air Quality Regulations
AST	aboveground storage tank
ATC	Authority to Construct
ATC/OP	Authority to Construct/Operating Permit
Bhp	brake horsepower
CARB	California Air Resources Board
CE	control efficiency
CFR	United States Code of Federal Regulations
CO	carbon monoxide
DAQ	Division of Air Quality
DES	Clark County Department of Environment and Sustainability
EF	emission factor
EO	Executive Order
EPA	United States Environmental Protection Agency
EU	emission unit
HAP	hazardous air pollutant
HP	horsepower
HVLP	high-volume, low-pressure
MMBtu	Millions of British thermal units
NO_X	nitrogen oxides
NRS	Nevada Revised Statutes
NSR	New Source Review
O&M	operations and maintenance
OP	Operating Permit
PM_{10}	particulate matter less than 10 microns
ppm	parts per million
PSD	Prevention of Significant Deterioration
PTE	potential to emit
scf	standard cubic feet
SIP	State Implementation Plan
SO_2	sulfur dioxide
TCS	toxic chemical substance
TIM	time in mode
TDS	total dissolved solids
TSD	Technical Support Document
UST	underground storage tank
USGS	United States Geological Survey
UTM	Universal Transverse Mercator
VMT	vehicle miles traveled
VOC	volatile organic compound
VOL	volatile organic liquid

II. GENERAL CONDITIONS

A. General Requirements

1. The permittee shall comply with all conditions of the Part 70 Operating Permit (OP). Any permit noncompliance may constitute a violation of the Clark County Air Quality Regulations (AQRs), Nevada law, and the Clean Air Act, and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a renewal application. *[AQR 12.5.2.6(g)(1)]*

2. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall be unaffected and remain valid. *[AQR 12.5.2.6(f)]*

3. The permittee shall pay all permit fees pursuant to AQR 18. *[AQR 12.5.2.6(h)]*

4. This permit does not convey property rights of any sort, or any exclusive privilege. *[AQR 12.5.2.6(g)(4)]*

5. The permittee agrees to allow inspection of the premises to which this permit relates by any authorized representative of the Control Officer at any time during the permittee's hours of operation without prior notice. The permittee shall not obstruct, hamper, or interfere with any such inspection. *[AQR 4.1; AQR 5.1.1; AQR 12.5.2.8(b)]*

6. The permittee shall allow the Control Officer, upon presentation of credentials, to: *[AQR 4.1 & AQR 12.5.2.8(b)]*

    a. Access and copy any records that must be kept under the conditions of the permit;

    b. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

    c. Sample or monitor substances or parameters for the purpose of assuring compliance with the permit or applicable requirements; and

    d. Document alleged violations using such devices as cameras or video equipment.

7. Any permittee who fails to submit relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit the needed supplementary facts or corrected information. In addition, the permittee shall provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit. A responsible official shall certify the additional information consistent with the requirements of AQR 12.5.2.4. *[AQR 12.5.2.2]*

8. Anyone issued a permit under AQR 12.5 shall post it in a location where it is clearly visible and accessible to facility employees and DAQ representatives. *[AQR 12.5.2.6(m)]*

B. Modification, Revision, and Renewal Requirements

1. No person shall begin actual construction of a new Part 70 source, or modify or reconstruct an existing Part 70 source that falls within the preconstruction review applicability criteria, without first obtaining an Authority to Construct (ATC) from the Control Officer. *[AQR 12.4.1.1(a)]*

2. The permit may be revised, revoked, reopened and reissued, or terminated for cause by the Control Officer. The filing of a request by the permittee for a permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance, does not stay any permit condition. *[AQR 12.5.2.6(g)(3)]*

3. A permit, permit revision, or renewal may be approved only if all of the following conditions have been met: *[AQR 12.5.2.10(a)]*

    a. The permittee has submitted to the Control Officer a complete application for a permit, permit revision, or permit renewal (except a complete application need not be received before a Part 70 general permit is issued pursuant to AQR 12.5.2.20); and

    b. The conditions of the permit provide for compliance with all applicable requirements and the requirements of AQR 12.5.

4. The permittee 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 that would otherwise constitute a violation of an applicable requirement. *[AQR 80.1 and 40 CFR Part 60.12]*

5. No permit revisions 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. *[AQR 12.5.2.6(i)]*

6. Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application has been submitted. *[AQR 12.5.2.11(b)]*

7. For purposes of permit renewal, a timely application is a complete application that is submitted at least six months, but not more than 18 months, prior to the date of permit expiration. If a source submits a timely application under this provision, it may continue operating under its current Part 70 OP until final action is taken on its application for a renewed Part 70 OP. *[AQR 12.5.2.1(a)(2)]*

C. Reporting, Notifications, and Information Requirements

1. The permittee shall submit all compliance certifications to the U.S. Environmental Protection Agency (EPA) and to the Control Officer. *[AQR 12.5.2.8(e)(4)]*

2. Any application form, report, or compliance certification submitted to the Control Officer pursuant to the permit or the AQRs, shall contain a certification by a responsible official, with an original signature, of truth, accuracy, and completeness. This certification, and any other required under AQR 12.5, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *[AQR 12.5.2.6(l)]*

3. The permittee shall furnish to the Control Officer, in writing and within a reasonable time, any information that the Control Officer may request to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Control Officer copies of records the permit requires keeping. The permittee may furnish records deemed confidential directly to the Administrator, along with a claim of confidentiality. *[AQR 12.5.2.6(g)(5)]*

4. Upon request of the Control Officer, the permittee shall provide information or analyses that will disclose the nature, extent, quantity, or degree of air contaminants that are or may be discharged by the source, and the type or nature of control equipment in use. The Control Officer may require that such disclosures be certified by a professional engineer registered in the state. In addition to this report, the Control Officer may designate an authorized agent to make an independent study and report on the nature, extent, quantity, or degree of any air contaminants that are or may be discharged from the source. An agent so designated may examine any article, machine, equipment, or other contrivance necessary to make the inspection and report. *[AQR 4.1]*

5. The permittee shall submit annual emissions inventory reports based on the following: *[AQR 18.6.1]*

    a. The annual emissions inventory must be submitted to DAQ by March 31 of each calendar year (if March 31 falls on a Saturday or Sunday, or on a Nevada or federal holiday, the submittal shall be due on the next regularly scheduled business day);

    b. The calculated actual annual emissions from each emission unit shall be reported, even if there was no activity, along with the total calculated actual annual emissions for the source based on the emissions calculation methodology used to establish the potential to emit (PTE) in the permit or an equivalent method approved by the Control Officer prior to submittal; and

    c. As the first page of text, a signed certification containing the sentence: "I certify that, based on information and belief formed after reasonable inquiry, the statements contained in this document are true, accurate, and complete." This statement shall be signed and dated by a responsible official of the company (a sample form is available from DAQ).

6. Stationary sources that emit 25 tons or more of nitrogen oxide (NOx) and/or 25 tons or more of volatile organic compounds (VOCs) during a calendar year from emission units, insignificant activities, and exempt activities shall submit an annual emissions statement for both pollutants. This statement must include actual annual NOx and VOC emissions from all activities, including emission units, insignificant activities, and exempt activities. Emissions statements are separate from, and additional to, the calculated annual emissions reported each year for all regulated air pollutants (i.e., the emissions inventory). *[AQR 12.9.1]*

7. The permittee shall submit to the Control Officer, within 15 days after commencing operation, any outstanding identification and/or description that was not previously available for new emission unit(s), as noted in this permit with "TBD."

8. All report submissions shall be addressed to the attention of the Control Officer. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

9. All reports shall contain the following: *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

    a. A certification statement on the first page, e.g., "I certify that, based on information and belief formed after reasonable inquiry, the statements contained in this document are true, accurate and complete." (A sample form is available from DAQ.)

    b. A certification signature from a responsible official of the company and the date of certification.

10. The permittee shall submit semiannual monitoring reports to DAQ. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

11. The following requirements apply to semiannual reports: *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

    a. The report shall include a semiannual summary of each item listed in Sections III.E.1, IV.E.1, V.E.1, VI.E.1, VII.E.1, VIII.E.1, IX.E.1, X.E.1, XI.E.1, XII.E.1, and XIII.E.1 of this OP.

    b. The report shall be based on a calendar semiannual period, which includes partial reporting periods.

    c. The report shall be received by DAQ within 30 calendar days after the semiannual period.

12. Regardless of the date of issuance of this OP, the source shall comply with the schedule for report submissions outlined in Table II-C-1. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

Table II-C-1: Required Submission Dates for Various Reports

Required Report	Applicable Period	Due Date
Semiannual report for 1st six-month period	January, February, March, April, May, June	July 30 each year[1]
Semiannual report for 2nd six-month period; any additional annual records required	July, August, September, October, November, December	January 30 each year[1]
Annual Compliance Certification	Calendar year	January 30 each year[1]
Annual Emissions Inventory Report	Calendar year	March 31 each year[1]
Annual Emissions Statement[2]	Calendar year	March 31 each year[1]
Notification of Malfunctions, Startup, Shutdowns, or Deviations with Excess Emission	As required	Within 24 hours of the permittee learns of the event
Report of Malfunctions, Startup, Shutdowns, or Deviations with Excess Emission	As required	Within 72 hours of the notification
Deviation Report without Excess Emissions	As required	Along with semiannual reports[1]
Excess Emissions that Pose a Potential Imminent and Substantial Danger	As required	Within 12 hours of the permittee learns of the event

Required Report	Applicable Period	Due Date
Performance Testing Protocol	As required	No less than 45 days, but no more than 90 days, before the anticipated test date[1]
Performance Testing Report	As required	Within 60 days of end of test[1]

[1]If the due date falls on a Saturday, Sunday, or federal or Nevada holiday, the submittal is due on the next regularly scheduled business day.

[2] Required only for stationary sources that emit 25 tons or more of nitrogen oxide (NO_X) and/or emit 25 tons or more of volatile organic compounds (VOC) during a calendar year.

13. The Control Officer reserves the right to require additional reports and reporting to verify compliance with permit emission limits, applicable permit requirements, and requirements of applicable federal regulations. *[AQR 4.4]*

D. Compliance Requirements

1. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[AQR 12.5.2.6(g)(2)]*

2. Any person who violates any provision of the AQRs, including, but not limited to, any application requirement; any permit condition; any fee or filing requirement; any duty to allow or carry out inspection, entry, or monitoring activities; or any requirements from DAQ is guilty of a civil offense and shall pay a civil penalty levied by the Air Pollution Control Hearing Board and/or the Hearing Officer of not more than $10,000. Each day of violation constitutes a separate offense. *[AQR 9.1; NRS 445B.640]*

3. Any person aggrieved by an order issued pursuant to AQR 9.1 is entitled to review, as provided in Chapter 233B of the NRS. *[AQR 9.12]*

4. The permittee shall comply with the requirements of Title 40, Part 61 of the Code of Federal Regulations (40 CFR Part 61), Subpart M—the National Emission Standard for Asbestos—for all demolition and renovation projects. *[AQR 13.1(b)(8)]*

5. The permittee shall certify compliance with the terms and conditions contained in this Part 70 OP, including emission limitations, standards, work practices, and the means for monitoring such compliance. *[AQR 12.5.2.8(e)]*

6. The permittee shall submit compliance certifications annually in writing to the Control Officer (4701 W. Russell Road, Suite 200, Las Vegas, NV 89118) and the Region 9 Administrator (Director, Air and Toxics Divisions, 75 Hawthorne St., San Francisco, CA 94105). A compliance certification for each calendar year will be due on January 30 of the following year, and shall include the following: *[AQR 12.5.2.8(e)]*

    a. The identification of each term or condition of the permit that is the basis of the certification;

    b. The identification of the methods or other means used by the permittee for determining the compliance status with each term and condition during the certification period. These methods and means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements described in 40 CFR Part 70.6(a)(3). If

necessary, the permittee shall also identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the Clean Air Act, which prohibits knowingly making a false certification or omitting material information; and

c. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the methods or means designated in (b) above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify, as possible exceptions to compliance, any periods during which compliance was required and in which an excursion or exceedance, as defined under 40 CFR Part 64, occurred.

7. The permittee shall report to the Control Officer any startup, shutdown, malfunction, emergency, or deviation that causes emissions of regulated air pollutants in excess of any limits set by regulations or this permit. The report shall be in two parts, as specified below: *[AQR 12.5.2.6(d)(4)(B); AQR 25.6.1]*

   a. Within 24 hours of the time the permittee learns of the excess emissions, the permittee shall notify DAQ by phone at (702) 455-5942, by fax at (702) 383-9994, or by email at airquality@clarkcountynv.gov.

   b. Within 72 hours of the notification required by paragraph (a) above, the permittee shall submit a detailed written report to DAQ containing the information required by AQR 25.6.3.

8. With the semiannual monitoring report, the permittee shall report to the Control Officer all deviations from permit conditions that do not result in excess emissions, including those attributable to malfunction, startup, or shutdown. Reports shall identify the probable cause of each deviation and any corrective actions or preventative measures taken. *[AQR 12.5.2.6(d)(4)(B)]*

9. The owner or operator of any source required to obtain a permit under AQR 12 shall report to the Control Officer emissions in excess of an applicable requirement or emission limit that pose a potential imminent and substantial danger to public health and safety or the environment as soon as possible, but no later than 12 hours after the deviation is discovered, and submit a written report within two days of the occurrence. *[AQR 25.6.2]*

E. Performance Testing Requirements

1. Upon request of the Control Officer, the permittee shall test (or have tests performed) to determine the emissions of air contaminants from any source whenever the Control Officer has reason to believe that an emission in excess of that allowed by the AQRs is occurring. The Control Officer may specify testing methods to be used in accordance with good professional practice. The Control Officer may observe the testing. All tests shall be conducted by reputable, qualified personnel. *[AQR 4.2]*

2. Upon request of the Control Officer, the permittee shall provide necessary holes in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices, as may be necessary for proper determination of the emission of air contaminants. *[AQR 4.2]*

3. The permittee shall submit to the Control Officer for approval a performance testing protocol that contains testing, reporting, and notification schedules, test protocols, and anticipated test dates no less than 45 days, but no more than 90 days, before the anticipated date of the performance test unless otherwise specified in Sections III.D, IV.D, V.D, VI.D, VII.D, VIII.D, IX.D, X.D, XI.D, XII.D, and XIII.D of this permit. *[AQR 12.5.2.8]*

4. The permittee shall submit to EPA for approval any alternative test methods EPA has not already approved to demonstrate compliance with a requirement under 40 CFR Part 60. *[40 CFR Part 60.8(b)]*

5. The permittee shall submit a report describing the results of each performance test to the Control Officer within 60 days of the end of the test. *[AQR 12.5.2.8]*

III. STORAGE TANKS/LOADING RACKS/FUEL DISPENSING

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Tables III-A-1, III-A-2 and III-A-3. *[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/30/20), and (06/15/21); and Application for Part 70 OP Revision (05/27/21)]*

Table III-A-1: List of Emission Units – Fuel Dispensing

Emission Unit Number	Building	Make	Model	Serial Number	Capacity	Units	Fuel Type
J026-J034	890				9	dispensers	Gasoline
J038	890	Gilbarco Gasboy	Atlas		1	dispensers	E-85
J020	1590	Fill-Rite	310 Series	B85680121	1	dispensers	Gasoline
J023	10511		C22R-GERATPNN-R-USA	11F646344	1	dispensers	Gasoline

Table III-A-2: List of Emission Units – Loading Racks

Emission Unit Number	Building	Make	Model	Serial Number	Capacity	Units	Fuel Type
J008	891				1	racks	Gasoline

Table III-A-3: List of Emission Units – Storage Tanks

Emission Unit Number	Building	Emission Unit Type	Make	Model	Serial Number	Capacity	Units	Fuel Type
J039	800	AST	Arrow Work		1124	10,000	gal	E-85
J004	890	UST				25,000	gal	Gasoline
J001	891	AST	Highland Tank		P736547	20,000	gal	Gasoline
J042	1051	IFR	Chicago Bridge and Iron			403,200	gal	Jet Fuel
J043	1052	IFR	Chicago Bridge and Iron			420,000	gal	Jet Fuel
J044	1054	IFR	Chicago Bridge and Iron			810,000	gal	Jet Fuel

Emission Unit Number	Building	Emission Unit Type	Make	Model	Serial Number	Capacity	Units	Fuel Type
J045	1055	IFR	Chicago Bridge and Iron			610,000	gal	Jet Fuel
J002	1590	AST	Brown-Minneapolis Tank			500	gal	Gasoline
J003	10512 (10511-1)	AST	Isom Brothers	RIVS-1230.1	L-825.015	2,000	gal	Gasoline
J040	2336 (Revetments)	AST - IFR	Kinder Morgan	API Standard 650	22113396	420,000	gal	Jet Fuel
J041	2336 (Revetments)	AST - IFR	Kinder Morgan	API Standard 650	22113397	420,000	gal	Jet Fuel
J046	Fuel Hydrant (Bldg. 62121)	AST-IFR/Hydrant	Rocky Mountain Fabrication	API Standard 650	C-4026-02	420,000	gal	Jet Fuel
J047	Fuel Hydrant (Bldg. 62122)	AST-IFR	Rocky Mountain Fabrication	API Standard 650	C-4026-01	420,000	gal	Jet Fuel
J048	Kinder Morgan	AST-IFR	Southwest Tank and Steel	12	16-028.01	420,000	gal	Jet Fuel
J049	Kinder Morgan	AST-IFR	Southwest Tank and Steel	12	16-028.02	420,000	gal	Jet Fuel

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not allow the actual emissions from each storage tank, fuel loading rack, and dispensing operation to exceed the PTE in Tables III-B-1, III-B-2, and III-B-3, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/30/20), and (06/15/21); Application for Part 70 Revision (05/27/21); and AQR 12.5.2.3]*

Table III-B-1: Throughput Limitations and PTE for Fuel Dispensing (tons per year)

Emission Unit Number	Type	Fuel	Annual Throughput Gallons	VOC	HAP
J026-J034	Fuel Dispensing	Gasoline	3,000,000	1.42	0.04
J038	Fuel Dispensing	E-85	500,000	0.49	0.01
J020	Fuel Dispensing	Gasoline	30,000	0.08	0.01
J023	Fuel Dispensing	Gasoline	95,999	0.27	0.01

Table III-B-2: Throughput Limitations and PTE for Fuel Loading Racks (tons per year)

Emission Unit Number	Type	Fuel	Annual Throughput Gallons	VOC	HAP
J008	Fuel Loading Rack	Gasoline	200,000	0.15	0.01

Table III-B-3: Throughput Limitations and PTE for Fuel Storage Tanks (tons per year)

Emission Unit Number	Type	Fuel	Annual Throughput Gallons	VOC	HAP
J039	AST	E-85	500,000	0.04	0.01
J004	UST	Gasoline	3,000,000	5.04	0.15
J001	AST	Gasoline	3,000,000	6.00	0.17
J042	IFR	Jet Fuel	184,000,000	0.53	0.05
J043	IFR	Jet Fuel			
J044	IFR	Jet Fuel			
J045	IFR	Jet Fuel			
J002	AST	Gasoline	30,000	0.25	0.01
J003	AST	Gasoline	95,999	0.51	0.01
J040	AST - IFR	Jet Fuel	180,000,000	0.48	0.05
J041	AST - IFR	Jet Fuel			
J046	AST-IFR/Hydrant	Jet Fuel	43,680,000	0.16	0.02
J047	AST-IFR	Jet Fuel	43,680,000	0.16	0.02
J048	AST-IFR	Jet Fuel	42,000,000	0.14	0.01
J049	AST-IFR	Jet Fuel	42,000,000	0.14	0.01

2. Production Limits

a. The permittee shall limit the annual throughput for each storage tank, loading rack, and fuel dispenser to the throughputs listed in Tables III-B-1, III-B-2, and III-B-3 during any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (10/28/13), (09/18/15), (04/20/16), and (06/15/21)]*

b. The permittee shall store only the product in each storage tank, loading rack, and fuel dispenser as listed in Tables III-B-1, III-B-2, and III-B-3. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (10/28/13), (09/18/15), (04/20/16), and (06/15/21)]*

3. Emission Controls

a. The permittee shall equip and operate each of the gasoline storage tanks (EUs: J001, J004, and J039) with Phase I vapor recovery controls. *[ATC/OP, Modification 46, Revision 1 (11/17/08); 114 Title V OP Revision (04/20/16); and AQR 12.5.2.6(a)]*

b. The permittee shall install and operate all Phase I vapor recovery equipment according to certifications specified by the manufacturer, and shall maintain the equipment to be leak-free, vapor-tight, and in proper working order. *[AQR 12.5.2.6(a)]*

c. From October 1 to March 31 every year in the Las Vegas Valley, the Eldorado Valley, the Ivanpah Valley, the Boulder City limits, and any area within three miles of these areas, no gasoline intended as a final product for fueling motor vehicles shall be supplied or sold by any person; sold at retail; sold to a private or a municipal fleet for consumption; or introduced into any motor vehicle by any person unless the gasoline has at least 3.5 percent oxygen content by weight. *[AQRs 53.1.1 & 53.2.1]*

d. If a gasoline storage tank in the Las Vegas Valley, the Eldorado Valley, the Ivanpah Valley, the Boulder City limits, and any area within three miles of these areas, receives its last gasoline delivery with less than 3.5 percent oxygen content by weight before September 15, gasoline dispensed from that tank will be exempt from enforcement of Section 53.2.1 until the first delivery date after October 1. *[AQR 53.5.1.1]*

e. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart BBBBBB, (EUs: J001, J004, and J008) and 40 CFR Part 63, Subpart CCCCCC (EUs: J002, J003, and J039). *[AQR 12.5.2.6(a)]*

f. The permittee shall implement control technology requirements on gasoline storage tanks and dispensing equipment as follows: *[40 CFR 63.11116 and 12.5.2.6(a)]*

i. The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Preventative measures to be taken include, but are not limited to, the following: *[40 CFR 63.11116, 40 CFR 63.11117, and 40 CFR 63.11086(d)]*

1. Minimize gasoline spills.

2. Clean up spills as expeditiously as practicable.

3. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use.

4. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

5. Only load gasoline into storage tanks a using submerged filling where the greatest distance from the bottom of the storage tank to the point of opening of the fill tube is no more than 6 inches.

ii. The permittee shall install, maintain and operate a Phase I Vapor Recovery System on the gasoline storage tanks (EUs: J001, J004, and J039) that meets the following requirements: *[AQR 12.5.2.6(a)]*

1. The Phase I vapor recovery system shall be rated with at least 95.0 percent control efficiency when in operation. This system shall be certified by an industry recognized certification body, i.e., California Air Resources Board (CARB) or equivalent.

2. All Phase I vapor recovery equipment shall be installed and operated in accordance with the manufacturer's operations and maintenance (O&M) manual and certification requirements.

3. All Phase I vapor recovery equipment shall be maintained and in good working order.

4. All vapor connections and lines on storage tanks shall be equipped with closures that seal upon disconnect.

5. The vapor line from the gasoline storage tanks to the gasoline cargo tank shall be vapor-tight, as defined in 40 CFR 63.11132.

6. The vapor balance system shall be designed such that the pressure in the cargo tank does not exceed 18 inches water pressure or 5.9 inches water vacuum during product transfer.

7. The vapor recovery and product adaptors, and the method of connection with the delivery elbow, shall be designed so as to prevent the over-tightening or loosening of fittings during normal delivery operations.

8. If a gauge well separate from the fill tube is used, it shall be provided with a submerged drop tube that extends the same distance from the bottom of the tank as the fill tube.

9. Liquid fill connections for all systems shall be equipped with vapor-tight caps.

10. A pressure/vacuum (PV) vent valve on each gasoline storage tank system shall be installed, maintained and operated in accordance with the manufacturer's O&M manual. The pressure specifications for PV vent valves shall comply with:

    a. a positive pressure setting of 2.5 to 6.0 inches of water, and a negative pressure setting of 6.0 to 10.0 inches of water; and

    b. the total leak rate of all PV vent valves at the affected facility, including connections, shall not exceed 0.17 cubic foot per hour at a pressure of 2.0 inches of water and 0.63 cubic foot per hour at a vacuum of 4 inches of water. *[AQR 12.5.2.6(a)]*

11. The vapor balance system shall be capable of meeting the static pressure performance requirement in 40 CFR Part 63, Subpart CCCCCC, Table 1, Part 1 and comply with the equation: $Pf = 2e^{-500.887/v}$

iii. Cargo tanks unloading at the source must comply with management practices as follows: *[AQR 12.5.2.6(a)]*

1. All hoses in the vapor balance system are properly connected.

2. The adapters or couplers that attach to the vapor line on the storage tank have closures that seal upon disconnect.

3. All vapor return hoses, couplers, and adapters used in the gasoline delivery are vapor-tight.

4. All tank truck vapor return equipment is compatible in size and forms a vapor-tight connection with the vapor balance equipment on the GDF storage tank.

5. All hatches on the tank truck are closed and securely fastened.

6. The filling of storage tanks shall be limited to unloading from vapor-tight gasoline cargo tanks with documentation carried onboard that it has met the specifications of EPA Method 27.

C. Monitoring

1. The permittee shall perform a monthly leak inspection of all equipment in gasoline service (EUs: J001, J004, and J008) as defined in 40 CFR 63.11089 and 40 CFR 63.11120 as applicable. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. *[40 CFR 63.11089 and 40 CFR 63.11120]*

2. The permittee shall monitor and record the daily combined throughput of gasoline in gallons through the gasoline loading rack (EU: J008) and the jet fuel storage tanks (EUs: J040 through J049). *[AQR 12.5.2.6(d)]*

D. Testing

1. The permittee shall comply with the general performance testing requirements in Section II.E of this permit. *[AQR 12.5.2.8(a)]*

2. The permittee shall comply with the applicable testing requirements contained in 40 CFR 63.11120. *[40 CFR 63.11118(e)]*

3. The permittee shall conduct testing on the Vapor Control Systems associated with EUs: J001, J004, and J039 as described in Table III-D-1. *[AQR 4.5]*

4. The permittee shall schedule each vapor recovery test with the Stationary Sources Compliance Supervisor at least 30 calendar days prior to the anticipated date of testing, unless otherwise specified in this permit. *[AQR 12.5.2.8]*

5. Any prior approved scheduled vapor recovery system test cannot be canceled and/or rescheduled except with the prior approval of the Control Officer, Compliance Division. *[AQR 12.5.2.8]*

6. If the source fails a vapor recovery system test, the permittee shall comply with the following:

   a. The permittee shall notify the Control Officer within 24 hours of equipment test failure, make all necessary repairs and retest the affected facility. After retesting, the permittee shall notify the Control Officer to advise of the retest and submit test results within 15 days of completion.

   b. The process of retesting shall continue until the affected facility successfully passes all aspects of the vapor recovery system test.

   c. The Control Officer may require the permittee to conduct any test after a failed vapor recovery system test in the presence of a DAQ representative.

   d. The permittee shall conduct and pass subsequent Phase I vapor recovery system tests on or before the anniversary date of the previous successful test at the frequency specified in Table III-D-1. *[AQR 12.5.2.8]*

Table III-D-1: Required Performance Test Criterion: Vapor Recovery System

EU	Description	CARB Test Procedure	Standard	Frequency
J004	Pressure decay/leak: vapor control system including nozzles and underground tanks	TP-201.3	Initial: 2” wc Final: Referenced Value	Every three years
J001 and J039	Pressure decay/leak: vapor control system including aboveground tanks	TP-201.3B	Initial: 2” wc Final: Referenced Value	
J001, J004, and J039	Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves	TP-201.1E	3.0 ± 0.5 inches H_2O Positive Pressure 8.0 ± 2.0 inches H_2O Negative Pressure Leakrate at +2.0 inches H_2O ≤ 0.17 CFH Leakrate at -4.0 inches H_2O ≤ 0.21 CFH Total Additive Leakrate from All P/V Valves ≤ 0.17 CFH at 2.0 inches H_2O	
	Flow Rate Test	CC_VRTP_1		

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. excess emissions, notifications, malfunctions, leaks, leak testing etc. as required by 40 CFR 60.7, 40 CFR 63.11089, 40 CFR 63.11094, 40 CFR 63.11095, 40 CFR 63.11125, and 40 CFR 63.11126;
   b. monthly, consecutive 12-months total product throughput for each storage tank in gallons;
   c. monthly, consecutive 12-months total throughput for the gasoline loading rack (EU: J008); and
   d. monthly, consecutive 12-months total throughput for the jet fuel storage tanks (EUs: J040 through J049).
2. The permittee shall maintain records on-site that include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. daily throughput for the gasoline loading rack (EU: J008);
   b. daily throughput for the jet fuel storage tanks (EUs: J040 through J049);
   c. log of maintenance and/or repair of the tanks;
   d. a record of any maintenance on any part of the Phase I equipment, including a general description of the maintenance;
   e. the date and time the equipment was taken out-of-service;
   f. the date of repair or replacement;
   g. a general description of the part location (pump, tank, nozzle number);
   h. a description of the problem;
   i. the results of the daily inspections; and
   j. records of all performance tests conducted. *[40 CFR 63.11125]*
3. A log book shall be used and shall be signed by the permittee at the completion of each inspection of the gasoline loading rack (EU: J008) and associated storage tanks (EUs: J001 and J004). Each detection of a liquid or vapor leak shall be recorded in the log. An initial attempt to repair the leak shall be made as soon as practicable, but, no later than 5 calendar days after the leak is detected. If repairs cannot be completed within 5 days, the permittee shall comply with 40 CFR 63.11089.c & .d. A section of the log book shall contain a list, summary description, or diagrams(s) showing the location of all equipment in gasoline service at the facility. *[AQR 12.5.2.6(d) and 40 CFR 63.11089]*
4. The permittee shall maintain records of all performance tests conducted. *[AQR 12.5.2.6(d) and 40 CFR 63.11125]*
5. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. The permittee shall submit items stipulated by Condition III.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

2. The permittee must submit a Notification of Compliance for the gasoline loading rack (EU: J008) and associated storage tanks (EUs: J001 and J004) in accordance with 40 CFR 63.11086(f), unless the permittee meets the requirements of 40 CFR 63.11086(g). *[40 CFR 63.11086]*

IV. EXTERNAL COMBUSTION

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table IV-A-1. *[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); and 114 Title V OP Revision (10/28/13), (09/18/15), (04/20/16), (10/19/17), (04/30/20), and (06/15/21)]*

Table IV-A-1: List of Emission Units

EU	Building	Input Rating (MMBtu/hr)	Make	Model No.	Serial No.
RB004a	011	1.5	Patterson-Kelley	N-1500-2	CY30-07-31338
RB004b	011	1.5	Patterson-Kelley	N-1500-2	CY30-07-31339
RB198	190	2.40	LAARS	RHCH2400NACF2EXX	A08197950
RB650	190	2.00	AERCO	BMK2000	G-15-1110
RB013a	199	2.5	Patterson-Kelley	C-2500	H906-11-6409
RB013b	199	2.5	Patterson-Kelley	C-2500	H906-11-6405
RB016	201	1.05	Rite	105W	29456
RB024	232	1.75	RBI	FB 1750	120437366
RB389	245	1.5	Patterson-Kelley	Mach C-1500	H601-13-8969
RB390	245	1.5	Patterson-Kelley	Mach C-1500	H601-13-8975
RB655	252	4.50	Weather-Rite	CAR 650HT	54128B
RB656	252	4.50	Weather-Rite	CAR 650HT	54128A
RB657	252	4.77	Weather-Rite	650HT	56799A
RB658	252	4.77	Weather-Rite	650HT	56799B
RB036	256	3.30	Weather-Rite	650HT	56190A
RB037	256	3.30	Weather-Rite	650HT	56190B
RB396	256	1.5	Patterson-Kelley	Mach C-1500	H601-13-8970
RB397	256	1.5	Patterson-Kelley	Mach C-1500	H601-13-8968
RB558	256	2.365	JBI	CFA-225	225-4
RB559	256	2.365	JBI	CFA-225	225-5
RB651	257	1.500	Raypak	H7-1505A	1709451637
RB402	259	2	Raypak	H7-2005	1303354199
RB403	259	2	Raypak	H7-2005	1303354200

EU	Building	Input Rating (MMBtu/hr)	Make	Model No.	Serial No.
RB040	262	2	Patterson-Kelley	N-2000-2	CL47-02-24302
RB406	282	2	Patterson-Kelley	C2000	M841-12-8830
RB414	292	1.5	Patterson Kelley	C-1500H	H604139027
RB419	312	1.5	Patterson-Kelley	Mach C-1500	H601-13-8972
RB421	324	1.8	Rite	180X	9797N9
RB149	334	1.35	RBI	DB1350	100851533
RB426	340	1.75	RBI	MB1750	11466794
RB427	340	1.75	RBI	MB1750	11466795
RB581	462	1.15	Modine	MDB127AC1375BB1CA5 BH2GH	861886-01-3112
RB065a	467	4	Patterson-Kelley	C-4000	K240-12-8806
RB659	467	4.00	Patterson Kelly	C-4000	K203-13-9024
RB077a	556	3	Patterson Kelley	Mach C-3000	K943-12-8856
RB078a	556	3	Patterson Kelley	Mach C-3000	K901-13-8985
RB079a	556	3	Patterson Kelley	Mach C-3000	K940-12-8800
RB080	567	1.5	Patterson-Kelley	N-1500-2	CY02-06-28964
RB081	567	1.5	Patterson-Kelley	N-1500-2	CY02-06-28965
RB086	585	2	Patterson-Kelly	N-2000-2	CY30-07-31336
RB094	620	1.6	Camus	MFNH 1600-E-02	20501489
RB456	625	1.05	Patterson-Kelley	Mach C-1050	W38-12-8764A
RB457	625	1.05	Patterson-Kelley	Mach C-1050	W851-16-13172A
RB236	704	1.2205	Raypak	H2-1223	9810152937
RB460	704	1.63	Raypak	W1-1631	9810152936
RB473	807	1.5	Patterson-Kelley	C-1500H	H601-13-8973
RB482	868	3.025	Rupp Industries	RAM30	S85181A
RB493	1300	1.5	Thermal Solutions	EVCA-1500 BNI-UCC	6544953
RB494	1300	1.5	Thermal Solutions	EVCA-1500 BNI-UCC	6544952
RB495	1300	2	Thermal Solutions	EVCA-2000 BNI-UCC	6544954
RB496	1300	2	Thermal Solutions	EVCA-2000 BNI-UCC	6544955
RB112[1]	1301	2.392	Fulton	VMP-60	TBD
RB113[1]	1301	2.392	Fulton	VMP-60	TBD
RB114[1]	1301	2.392	Fulton	VMP-60	TBD

EU	Building	Input Rating (MMBtu/hr)	Make	Model No.	Serial No.
RB620	1705	1	Raypak	WHP-1005	1109328742
RB621	1705	2	Patterson Kelly	C2000H	H846-15-12340
RB622	1705	2	Patterson Kelly	C2000H	H846-15-12342
RB623	1705	2	Patterson Kelly	C2000H	H846-15-12341
RB660	10148	1.728	Rupp Air	RAM30	S200230
RB135	10154	1.8	Lochinvar	CWN1796	C06H00184458
RB136	10154	1.8	Lochinvar	CWN1796	C06H00184459
RB652	10202	1.050	Patterson Kelley	C-1050	W812-18-14077
RB653	10206	1.680	Parker	40L	964610
RB516	61664	1.05	Patterson-Kelley	C1050	W845-12-8885A
RB654[2]	Various	<1.00	Various		

[1]These emissions units may combust either natural gas or diesel fuel.
[2]These emission units must each be less than 1.00 MMBtu/hr and are included in the combined total of 225 MMscf/yr of natural gas.

B. Emission Limitations and Standards

1. Emission Limits

The permittee shall not allow the actual emissions from the external combustion units to exceed the PTE listed below in Table IV-B-1, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08), and AQR 12.5.2.3]*

Table IV-B-1: Source PTE from External Combustion Units (tons per year)[1]

PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC	HAP
0.95	0.95	11.94	9.65	0.11	0.66	0.28

[1]Based on a yearly facility cap of 225 million standard cubic feet of natural gas usage for natural gas-fired units.

a. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1]*

2. Production Limits

a. The permittee shall limit operation using #2 diesel fuel for each dual fuel boiler located at Building #1301 (EUs: RB112 through RB114) to 1,020 hours in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

b. The permittee shall limit the total amount of natural gas consumed by the external combustion units to 225 MMscf in any consecutive 12-months. *[114 Title V OP Revision (10/28/13)]*

3. Emission Controls

a. The permittee shall combust only natural gas in all boilers/water heaters, except for those boilers listed in Conditions IV.B.3.b and IV.B.3.c. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and AQR 12.5.2.6(a)]*

b. The permittee shall combust either natural gas or diesel fuel with less than 0.05 percent sulfur by weight in each of the three (3) dual fuel boilers located at Building #1301 (EUs: RB112 through RB114). *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and AQR 12.5.2.6(a)]*

c. The permittee shall combust only propane in the propane boiler (EU: RB630). *[114 Title V OP Revision (10/28/13)]*

d. The permittee shall operate and maintain all boilers/water heaters in accordance with the manufacturer's O&M manual for emissions-related components. *[AQR 12.5.2.6(a)]*

C. Monitoring

1. The responsible official shall sign and adhere to the *Visible Emissions Check Guidebook* and keep a copy of the signed guide on-site at all times. *[AQR 12.5.2.6(d)]*
2. The permittee shall conduct a quarterly visual emissions check for visible emissions from external combustion emission units while they are in diesel-fired operation (EUs: RB112 through RB114). If the units are not operating frequently enough for quarterly observations, then observations shall be conducted while the external combustion emission units are operating. *[AQR 12.5.2.6(d)]*
3. If no plume appears to exceed the opacity standard during the visible emissions check, the date, location, and results shall be recorded, along with the viewer's name. *[AQR 12.5.2.6(d)]*
4. If a plume appears to exceed the opacity standard, the permittee shall do one of the following: *[AQR 12.5.2.6(d)]*

    a. Immediately correct the perceived exceedance, then record the first and last name of the person who performed the emissions check, the date the check was performed, the unit(s) observed, and the results of the observation; or

    b. Call a certified Visible Emissions Evaluation (VEE) reader to perform an EPA Method 9 evaluation.

        i. For sources required to have a certified reader on-site, the reader shall start Method 9 observations within 15 minutes of the initial observation. For all other sources, the reader shall start Method 9 observations within 30 minutes of the initial observation.

        ii. If no opacity exceedance is observed, the certified VEE reader shall record the first and last name of the person who performed the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each emission unit that was initially perceived to have exceeded the opacity limit, and the record shall also indicate:

            (1) The cause of the perceived exceedance;

            (2) The color of the emissions; and

            (3) Whether the emissions were light or heavy.

iii. If an opacity exceedance is observed, the certified VEE reader shall take immediate action to correct the exceedance. The reader shall then record the first and last name of the person performing the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each reading identified, and the record shall also indicate:

(1) The cause of the exceedance;

(2) The color of the emissions;

(3) Whether the emissions were light or heavy;

(4) The duration of the emissions; and

(5) The corrective actions taken to resolve the exceedance.

5. Any scenario of visible emissions noncompliance can and may lead to enforcement action. *[AQR 12.5.2.6(d)]*

6. Visible emissions checks do not require a certified observer unless the visible emissions appear to exceed the allowable opacity limit and to last more than 30 seconds, but an EPA Method 9 observation establishes that the emissions do not in fact exceed the standard. *[AQR 12.5.2.6(d)]*

7. The permittee shall operate each dual fuel boiler located at building #1301 (EUs: RB112 through RB114) with a nonresettable hour meter to monitor the duration of operation while using #2 diesel fuel. *[AQR 12.5.2.6(d)(1)(B) and (C)]*

8. The permittee shall conduct tune-ups in accordance with the manufacturer's O&M manual and good combustion practices. (EUs: RB112 through RB114). *[40 CFR 63.11223(e)]*

9. The permittee shall perform a tune-up once every 5 years (EUs: RB112 through RB114). *[40 CFR 63.11223(e)]*

10. The permittee shall inspect the burners, and clean or replace any components of the burners as necessary. The inspections may be delayed unit the next scheduled unit shutdown, but must be conducted at least once every 72 months (EUs: RB112 through RB114). *[40 CFR 63.11223(b)(1) and 63.11223(e)]*

11. The permittee shall inspect the systems controlling the air-to-fuel ratios for each unit, as applicable, and ensure that they are correctly calibrated and functioning properly. The inspections may be delayed unit the next scheduled unit shutdown, but must be conducted at least once every 72 months (EUs: RB112 through RB114). *[40 CFR 63.11223(b)(3) and 63.11223(e)]*

12. The permittee shall monitor monthly the amount of natural gas used in external combustion units on-site and record it in MMscf. *[114 Title V OP Revision (04/30/20)]*

13. The permittee shall conduct burner efficiency tests in accordance with the manufacturer's O&M manual and good combustion practices. Alternative methods may be used upon Control Officer approval (EUs: RB065a and RB659). *[AQR 12.5.2.6(d)]*

14. The permittee shall perform a burner efficiency test once each calendar year (EUs: RB065a and RB659). *[AQR 12.5.2.6(d)]*

15. The permittee shall not have to perform a burner efficiency test if the actual hours of operation are 0. To exercise this option, the permittee must install an hour meter and begin keeping written records before the start of the calendar year (EUs: RB065a and RB659). *[AQR 12.5.2.6(d)]*

16. The permittee may replace one contemporaneously-required burner efficiency test with a performance test that has acceptable results. *[AQR 12.5.2.6(d)]*

D. Testing

1. The permittee shall comply with the general performance testing requirements in Section II of this permit. *[AQR 12.5.2.8(a)]*

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum *[AQR 12.5.2.6(d)]*:
   a. monthly, consecutive 12-month total amount of natural gas consumed by boilers;
   b. log of all external combustion emission units onsite; and
   c. monthly, consecutive 12-month total hours of operation of the dual fuel boilers located in Building 1301, when powered by diesel fuel (EUs: RB112 through RB114).
2. The permittee shall maintain records on-site that include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. records of any performance testing, boiler tune-ups, and boiler inspections.
3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. The permittee shall submit items stipulated by Condition IV.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

V. INTERNAL COMBUSTION

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table V-A-1. *[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/20/16), (01/03/17), (07/01/17), (10/19/17), (04/30/20), and (06/15/21); and Applications for Part 70 OP Revision (03/10/21), (05/27/21), and (07/14/21)]*

Table V-A-1: Emission Units – Generators and Fire Pumps

EU	Building	Rating (bhp)	Make	Model No.	Serial No.	Manufacture Date
G001	2	68	Cummins	4B68-1800	F970640597	2001
					60109911	
G172	6	200 kW	Cummins	C200D6D	TBD	TBD
		324 hp		QSB7-G5	TBD	
G003	47	99	Cummins	4BT3.9-G4	C040611541	2004
					46378126	
G139	119	896	MTU	12V 1600G80S	95010600944	2015
G004	199	287	Caterpillar	3306B	64Z08070	1989

EU	Building	Rating (bhp)	Make	Model No.	Serial No.	Manufacture Date
G173	200	450 kW	Cummins	DFEJ	TBD	TBD
		755 hp		QSX15-G9	TBD	
G174	200	450 kW	Cummins	DFEJ	TBD	TBD
		755 hp		QSX15-G9	TBD	
G175	200	450 kW	Cummins	DFEJ	TBD	TBD
		755 hp		QSX15-G9	TBD	
G176	201	1,250 kW	Cummins	DQGAA	TBD	TBD
		2,220 hp		GKS50-G4NR2	TBD	
G009	202	1635	Energy Now	D1250FRY4		
			Mitsubishi	PS6	12588	
G090	214	324	Cummins	DSGAD-1204816	E120338411	2012
G177	216	250 kW	Cummins	DQDAA	TBD	TBD
		464 hp		QSL9-G7	TBD	
G010	217	1350	Cummins	QST30-G3	37205939	2003
G121	256	260	Patterson	8X6YS	FP-C095591	2010
			Cummins	QSB6.7	73080296	
G014	276	676	Caterpillar	3412	81Z15171	1993
G091	277	145	Cummins	QSB5-G3 NR3	73228632	2011
G092	278	145	Cummins	QSB5-G3 NR3	73142987	2010
G085	282	27	Kubota	D1703-M-BG-ET01	BG0069	2011
G081	283	149	Clarke	JU6H-UFG8	PE6068T777301	2010
G130	328	324	Cummins	QSB7-G5 NR3	73526010	2013
G131	423	755	Cummins	QSX15-G9	79605452	2012
G178	620	200 kW	Cummins	C200D6D	TBD	TBD
		324 hp		QSB7-G5	TBD	
G064	625	755	Cummins	QSX15-G9	79323537	2008
G095	696	99	Cummins	4BTA3.9-G5	46537788	Oct-05
G179	696	50 kW	Cummins	C50 D6	TBD	TBD
		99 hp		4BTAA3.3-G7	TBD	
G140	801	20 kW	Cummins	DKAC-5671090	E040645625	N/A
		27 hp	Kubota	D1703-BG-ES	3G0024	
G122	805	44.8	Kubota	F2803-EBG	J990008061	1999
					XS8005	
G167	805	25 kW	Cummins	C25D6	K190689184	Feb-19
		69 hp	Cummins	4BT3.3G5	72046727	
G094	807	1,490	Cummins	QST30-G5	K100170800	2010
					37246709	
G022a	807	45	Kubota	F2803-EBG	1J1746	2001
G024	812	56	Cummins	B3.3-G1	68010192	2002
G025	814	35 kW	Cummins	4B3.9-G2	46115329	2001
		68				
G077	822	145	Cummins	QSB5-G3 NR3	46942919	2008

EU	Building	Rating (bhp)	Make	Model No.	Serial No.	Manufacture Date
G086	843	27	Kubota	D1703-M-BG-ET01	BG0100	2011
G103	843	130	Cummins	4BTA3.9-G3	46571114	2006
G028	856	102	Cummins	4BT3.9-G4	46058053	2000
G154	875	145	Cummins	QSB5-G3 NR3	74012684	2016
G165	875	250 kW	Cummins	DQDAA-1329077	J90036863	2009
		399	Cummins	QSL9-G3NR3	73031122	
G084	878	27	Kubota	D7703-M-BG-ET01	BE0960	2011
G029	890	99	Cummins	4BT3.9-G4	46415812	2004
G142	907	350 kW	Cummins	QSX15-G9	79408338	2009
		755 hp		DFEG-1902036	L090067868	
G069	1050	399	Cummins	QSL9-G3 NR3	21806014	2007
G124	1058	27	Kubota	DI 703-BG-ES	03G0033	2013
G102	1114	27	Kubota	D1703-M-BG-ET01	BG0013	2011
G180	1300	110 kW	Caterpillar	QX125	TBD	TBD
		173.1 hp		C4.4	TBD	
G032	1301	1586	Caterpillar	3512	24Z04351	1992
G033	1301	1586	Caterpillar	3512	24Z04354	1992
G034	1602	68	Cummins	4B3.9-G2	45745897	1998
G035a	1607	145	Cummins	QSB5-G3 NR3	73125796	2010
G132	1705	250	Cummins	QSB7-G3 NR3	73185951	2011
G125	1722	37.146	Kubota	V2203-EBG	OXN2636	1999
G120	1724	27	Kubota	D1703-BG-ES	E040645626	2004
					03G0032	
G097	1730	157	Caterpillar	C4.4	E5M02588	2010
G080	1740	250	Cummins	QS B7-63 NR3	46913308	2008
G036	1998	67	Waukesha	VRD220SU	365170	1981
G181	2060	15 kW	Cummins	C15 D6	TBD	TBD
		24.3 hp	Kubota	D1703M	TBD	
G182	2064	125 kW	Cummins	C125D6C	TBD	TBD
		208 hp		QSB5-G6	TBD	
G067	2069	364	Cummins	QSL9-G2NR3	21800298	2007
G127	2270	27	Kubota	D1703-BG-ES	03L0105	2004
G040	2340	102	Cummins	4BT3.9-G4	45947647	2000
G068	2345	399	Cummins	QSL9-G3 NR3	21806011	2007
G137	2345	755	Cummins	QSX15-G9	79505091	2011
G128	2353	27	Kubota	V2203-M-BG-ET02	BQ1279	2006
G129	2354	27	Kubota	D1703-BG-ES01	06L0418	Jun-06
G166	2961	125 kW	Cummins	C125 D6D	G200791484	Jul-20
		324 hp	Cummins	QSB7-G5 NR3	74669187	
G135	10005	27	Kubota	D1703-BG-ES	03L0113	2004
G169	10005	100 kw	Cummins	C100D6C	TBD	TBD
		173 hp	Cummins	QSB5-G13	TBD	

EU	Building	Rating (bhp)	Make	Model No.	Serial No.	Manufacture Date
G073	10113	364	Cummins	QSL9-G2NR3	46968660	2008
G136	10215	50 kw	Cummins	QSB5G3 NR3	K120424060	2012
		145				
G168	10215	100 kW	Caterpillar	C4.4	A2502654	TBD
		111.3 hp	Caterpillar	C4.4	E5G01298	
G041	10307	1,220	Cummins	KTA38-G3	33120700	1991
G149	10460	157	John Deere	JU4H-UFADY8	PE4045N000586	2016
				4045HFC28		
A033[1]	10567	250 kW	Olympian	D2000P4	OLY00000KNNS00551	2002
		325 bhp	International	GCD325	WS4486N1358315	
G141	10706-1	1,200	Cummins	QSK23-G3	314180	2005
G046	61663	170	Cummins	6BT5.9-G6	46401060	2004
G047	61664	364	Cummins	QSL9-G2NR3	73121627	2010
G048	61672	182	Cummins	6BTA5.9-F1	44954338	1993
G049	61672	208	Cummins	6B Long Block	2LB003330	2005
G157	61683	86	Clarke	JU4H-UFADJ8	PE4045L250749	2014
			John Deere	4045HF280	PE4045L250749	
G050	61697	380	Cummins	LTA10-G1	35086128	2003
G099	61697	105	John Deere	4045TF220	PE4045T321936	2004
G160[1]	Mineral Processing	150 hp (Diesel, Tier 4)	Caterpillar	C9	G3CATEL0881B1	Feb-18
G161[1]	Mineral Processing	520 hp	Caterpillar	C13	RRA12593	2018
G162[1]	Mineral Processing	111.3 hp	Caterpillar	C4.4	W2304416	2018
G158[2]	Mineral Processing	7.9 hp	Honda Motor Company	GX240	GCBJT-1091836	2005
A032[1]	Mineral Processing	250	Cummins	M11	60425136	2013
A076	Mineral Processing	150 kW	Perkins Engine Company Limited	D150-8	CAT00C66AN6D01653	2010
		201 hp		C6.6	E6M02176	
G164[2]	Concrete Plant	16.1	Briggs & Stratton	900 Intek	12108877956	2016
G159[2]	Concrete Plant	16 hp	Briggs & Stratton	303447	274820	2006
A053	Concrete Plant	581	Caterpillar	C15	JJF00792	2012
G155[3]	Flightline	64.5	Deutz	D2011L04I	Various	2016
G156[3]	Flightline	64.5	Deutz	D2011L04I	Various	2016
G051	Fuel Hydrant (62120)	536	Caterpillar	3456	7WG03265	2005
G143[3]	N1	64.5	Deutz	D2011L04I	Various	2014
G144[3]	N2	64.5	Deutz	D2011L04I	Various	2014
G063[2,3]	N5	65	Wisconsin	V465D	Various	N/A
G183[3]	N5 (4A)	64 hp	Duetz	D2011L04I	12616875	TBD
G062[2,3]	N6	65	Wisconsin	V465D	Various	N/A

EU	Building	Rating (bhp)	Make	Model No.	Serial No.	Manufacture Date
G184[3]	N6 (4B)	64 hp	Duetz	D2011L04I	12603070	TBD
G104[3]	N7	64.5	Deutz	D2011L04I	Various	Nov-12
G150[3]	N7	64.5	Deutz	D2011L04I	Various	2015
G105[3]	N8	64.5	Deutz	D2011L04I	Various	2012
G151[3]	N8	64.5	Deutz	D2011L04I	Various	2015
G145[3]	S1	64.5	Deutz	D2011L04I	Various	2014
G148[3]	S2	64.5	Deutz	D2011L04I	Various	2014
G152[3]	S3	64.5	Deutz	D2011L04I	Various	2015
G153[3]	S4	64.5	Deutz	D2011L04I	Various	2015
G117[2,3]	S5	65	Wisconsin	V465D	Various	N/A
G170[3]	S5 (1A)	64 hp	Duetz	D2011L04I	12439341	7/2019
G171[3]	S6 (1B)	64 hp	Duetz	D2011L04I	12439331	7/2019
G058[2,3]	Inside South O/R 1	65	Wisconsin	V465D	Various	2002
G147[3]	S7	64.5	Deutz	D2011L04I	Various	2014
G146[3]	S8	64.5	Deutz	D2011L04I	Various	2014
G163	2336 (Revetments)	350 kW	Caterpillar	350	CAT00C13VT 3200118	2017
		531		C13	PW300263	

[1]These units are continuous duty engines. All other non-aircraft arrestor engines are for emergency purposes.
[2]These emission units are gasoline powered; all other units are diesel powered.
[3]These emission units are aircraft arrestor engines that are not specific units, but will be the same rating, manufacturer, and model number as listed in this table. Aircraft arrestor engines meet the exemption criteria from 40 CFR Part 60, Subparts JJJJ and IIII, and 40 CFR Part 63, Subpart ZZZZ, for national security purposes.

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall comply with the opacity standards that are applicable in 40 CFR Part 60 Subpart IIII, or shall not exceed 20 percent, whichever is most stringent, as determined by conducting observations in accordance with EPA Method 9, for the emission units listed in Table V-A-1. *[AQR 26.1]*

b. The permittee shall not allow the actual emissions from each internal combustion engine to exceed the PTE listed below in Table V-B-1, in any consecutive 12-months. *[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/20/16), (01/03/17), (07/01/17), (10/19/17), (04/30/20), (06/15/21); and Applications for Part 70 OP Revision (03/10/21), (05/27/21), and (07/14/21)]*

Table V-B-1: PTE for Generators (tons per year)

EU	PM_{10}	$PM_{2.5}$	NO_x	CO	SO_2	VOC	HAP
G001	0.04	0.04	0.28	0.18	0.01	0.01	0.01
G172	0.01	0.01	0.83	0.03	0.01	0.01	0.01
G003	0.01	0.01	0.5	0.06	0.01	0.02	0.01
G139	0.01	0.01	2.51	0.15	0.01	0.13	0.01
G004	0.16	0.16	2.22	0.48	0.01	0.18	0.01
G173	0.01	0.01	1.66	0.15	0.01	0.05	0.01
G174	0.01	0.01	1.66	0.15	0.01	0.05	0.01
G175	0.01	0.01	1.66	0.15	0.01	0.05	0.01
G176	0.02	0.02	5.9	0.49	0.01	0.11	0.01
G009	0.29	0.29	9.81	2.25	0.01	0.29	0.01
G090	0.01	0.01	0.66	0.04	0.01	0.01	0.01
G177	0.01	0.01	0.87	0.20	0.01	0.01	0.01
G010	0.06	0.06	5.64	0.16	0.01	0.14	0.01
G121	0.14	0.14	2.02	0.43	0.01	0.16	0.01
G014	0.12	0.12	4.06	0.93	0.01	0.12	0.01
G091	0.01	0.01	0.19	0.04	0.01	0.01	0.01
G092	0.01	0.01	0.19	0.04	0.01	0.01	0.01
G085	0.01	0.01	0.05	0.01	0.01	0.01	0.01
G081	0.02	0.02	0.41	0.03	0.01	0.02	0.01
G130	0.02	0.02	0.35	0.15	0.01	0.02	0.01
G131	0.02	0.02	2.02	0.09	0.01	0.05	0.01
G178	0.01	0.01	0.83	0.03	0.01	0.01	0.01
G064	0.02	0.02	2.02	0.09	0.01	0.05	0.01
G095	0.01	0.01	0.50	0.06	0.01	0.02	0.01
G179	0.05	0.05	0.77	0.17	0.01	0.06	0.01
G140	0.01	0.01	0.14	0.11	0.01	0.01	0.01
G122	0.02	0.02	0.35	0.07	0.01	0.03	0.01
G167	0.01	0.01	0.13	0.14	0.01	0.01	0.01
G094	0.10	0.10	3.28	0.41	0.01	0.07	0.01
G022a	0.02	0.02	0.35	0.08	0.01	0.03	0.01
G024	0.01	0.01	0.12	0.01	0.01	0.01	0.01
G025	0.04	0.04	0.28	0.18	0.01	0.01	0.01
G077	0.01	0.01	0.16	0.05	0.01	0.01	0.01
G086	0.01	0.01	0.05	0.01	0.01	0.01	0.01
G103	0.07	0.07	1.01	0.22	0.01	0.08	0.01
G028	0.01	0.01	0.51	0.07	0.01	0.02	0.01
G154	0.01	0.01	0.19	0.04	0.01	0.01	0.01
G165	0.03	0.03	0.53	0.31	0.01	0.03	0.01
G084	0.01	0.01	0.05	0.01	0.01	0.01	0.01
G029	0.01	0.01	0.5	0.06	0.01	0.02	0.01
G142	0.04	0.04	1.70	0.17	0.01	0.09	0.01
G069	0.01	0.01	1.25	0.09	0.01	0.02	0.01
G124	0.01	0.01	0.21	0.05	0.01	0.02	0.01
G102	0.01	0.01	0.06	0.01	0.01	0.01	0.01
G180	0.01	0.01	0.03	0.35	0.01	0.01	0.01
G032	0.21	0.21	7.80	1.14	0.01	0.98	0.01
G033	0.21	0.21	7.80	1.14	0.01	0.98	0.01
G034	0.04	0.04	0.28	0.18	0.01	0.01	0.01
G035a	0.01	0.01	0.16	0.05	0.01	0.01	0.01
G132	0.01	0.01	0.27	0.11	0.01	0.02	0.01
G125	0.02	0.02	0.29	0.06	0.01	0.02	0.01
G120	0.01	0.01	0.21	0.05	0.01	0.02	0.01
G097	0.09	0.09	1.22	0.26	0.01	0.10	0.01
G080	0.01	0.01	0.41	0.05	0.01	0.01	0.01

EU	PM_{10}	$PM_{2.5}$	NO_x	CO	SO_2	VOC	HAP
G036	0.04	0.04	0.52	0.11	0.01	0.04	0.01
G181	0.01	0.01	0.05	0.01	0.01	0.01	0.01
G182	0.01	0.01	0.57	0.04	0.01	0.01	0.01
G067	0.20	0.20	2.82	0.61	0.01	0.22	0.01
G127	0.01	0.01	0.21	0.05	0.01	0.02	0.01
G040	0.01	0.01	0.51	0.07	0.01	0.02	0.01
G068	0.01	0.01	1.25	0.09	0.01	0.02	0.01
G137	0.11	0.11	3.57	1.95	0.01	0.13	0.01
G128	0.01	0.01	0.05	0.01	0.01	0.01	0.01
G129	0.01	0.01	0.05	0.01	0.01	0.01	0.01
G166	0.01	0.01	0.51	0.13	0.01	0.10	0.01
G135	0.01	0.01	0.21	0.05	0.01	0.02	0.01
G169	0.01	0.01	0.25	0.07	0.01	0.01	0.01
G073	0.01	0.01	0.74	0.06	0.01	0.01	0.01
G136	0.01	0.01	0.17	0.05	0.01	0.01	0.01
G168	0.01	0.01	0.16	0.04	0.01	0.01	0.01
G041	0.05	0.05	8.07	0.29	0.01	0.10	0.01
G149	0.02	0.02	0.25	0.32	0.01	0.01	0.01
A033	0.01	0.01	1.79	1.63	0.01	0.09	0.01
G141	0.03	0.03	5.08	0.42	0.01	0.10	0.01
G046	0.03	0.03	0.84	0.22	0.01	0.01	0.01
G047	0.01	0.01	0.66	0.08	0.01	0.01	0.01
G048	0.05	0.05	0.61	0.23	0.01	0.02	0.01
G049	0.11	0.11	1.61	0.35	0.01	0.13	0.01
G157	0.01	0.01	0.26	0.04	0.01	0.02	0.01
G050	0.10	0.10	1.95	0.21	0.01	0.10	0.01
G099	0.01	0.01	0.29	0.02	0.01	0.02	0.01
G160	0.05	0.05	0.98	0.89	0.01	0.05	0.01
G161	0.02	0.02	0.16	3.10	0.01	0.01	0.01
G162	0.04	0.04	0.73	0.66	0.01	0.04	0.01
G158	0.02	0.02	0.38	0.24	0.02	0.52	0.04
A032	0.57	0.57	8.06	1.74	0.01	0.64	0.01
A076	0.02	0.02	0.39	0.09	0.01	0.02	0.01
G164	0.05	0.05	0.77	0.49	0.04	1.05	0.04
G159	0.05	0.05	0.77	0.49	0.04	1.05	0.04
A053	0.05	0.05	0.96	0.84	0.01	0.10	0.01
G155	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G156	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G051	0.29	0.29	4.15	0.9	0.01	0.33	0.01
G143	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G144	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G063	0.01	0.01	0.08	0.05	0.01	0.11	0.01
G183	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G062	0.01	0.01	0.08	0.05	0.01	0.11	0.01
G184	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G104	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G150	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G105	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G151	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G145	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G148	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G152	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G153	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G117	0.01	0.01	0.08	0.05	0.01	0.11	0.01
G170	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G171	0.01	0.01	0.05	0.02	0.01	0.01	0.01

EU	PM_{10}	$PM_{2.5}$	NO_x	CO	SO_2	VOC	HAP
G058	0.01	0.01	0.08	0.05	0.01	0.11	0.01
G147	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G146	0.01	0.01	0.05	0.02	0.01	0.01	0.01
G163	0.03	0.03	1.28	0.76	0.01	0.07	0.01
Totals	**4.47**	**4.47**	**129.85**	**29.96**	**1.21**	**10.02**	**1.23**

2. Production Limits

a. The permittee shall limit the operation of each emergency generator and fire pump for testing and maintenance purposes to 100 hours per year. The permittee may operate each emergency generator up to 50 hours per year for nonemergency situations, but those hours count towards the 100 hours provided for testing and maintenance. The 50 hours per year for nonemergency situations cannot be used for peak shavings or demand response, except as provided in 40 CFR 60.4211(f)(3) and 40 CFR 63.6640(f)(4). *[40 CFR 60.4211 and 40 CFR 63.6640]*

b. The permittee shall limit the operation of each aircraft arrestor (EUs: G058, G062, G063, G104, G105, G117, G143 through G148, G150 through G153, G155, G156, G170, G171, G183, and G184) to 225 hours per any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (09/18/15), (04/20/16), (01/03/17), (07/01/17), and (10/19/17); Applications for Part 70 OP Revision (03/10/21) and (07/14/21); and AQR 12.5.2.6(a)]*

c. The permittee shall limit the operation of the 210-bhp generator (EU: A032) to 2,080 hours in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

d. The permittee shall limit the operation of the diesel engines at the aggregate plant (EUs: G160 through G162) to 2,080 hours in any consecutive 12-months. *[114 Title V OP (04/30/20)]*

e. The permittee shall limit the operation of the 295-bhp diesel generator (EU: A033) to 1,750 hours in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

3. Emission Controls

a. Generators greater than 100 hp (EUs: G004, G009, G010, G029 through G033, G035a, G041, G046 through G051, G064, G067 through G069, G073, G077, G080, G090 through G094, G097, G103, G121, G130 through G132, G136, G137, G139, G141, G142, G149, G154, A053, A076, G161 through G163, G165, G166, and G172 through G182) shall be equipped with turbochargers and aftercoolers. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/20/16), (01/03/17), (07/01/17), (10/19/17), and (04/30/20); Application for Part 70 OP Revision (05/27/21); and AQR 12.5.2.6(a)]*

b. The permittee shall operate EUs G014, G028, G040, G081, G099, A032, A033, G167, G168, and G169 with turbochargers. *[114 Title V OP (04/20/16) and (06/15/21)]*

c. The permittee shall operate EUs A032, A033, and A053 with timing retardation and lean burn combustion. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

d. The permittee shall maintain each generator (EUs: G001, G003, G004, G009, G010, G014, G022a, G024, G025, G028, G029, G032 through G034, G036, G040, G041, G046, G048 through G051, G095, G099, G103, G120, G122, G125, G127, G128, G135, G140, and G141) as follows, unless the manufacturer's O&M manual are more stringent: *[40 CFR Part 63, Subpart ZZZZ]*

   i. Change oil and filter every 500 hours of operation or annually, whichever comes first;

   ii. Inspect air cleaners every 1,000 hours of operation or annually, whichever comes first; and

   iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   iv. The permittee may utilize an oil analysis program as described in Subpart 63.6625(i) in order to extend the specified oil change requirement and can petition the Control Officer pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

e. During periods of startup, the permittee shall minimize the engine's (EUs: G001, G003, G004, G009, G010, G014, G022a, G024, G025, G028, G029, G032 through G034, G036, G040, G041, G046, G048 through G051, G099, G103, G120, G122, G125, G127, G128, G135, G140, G141, G158, and G159, and A076) time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. *[40 CFR 63.6603(a)]*

f. The gasoline-fired aircraft arrestors shall combust gasoline only (EUs: G058, G062, G063, and G117). *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08), 114 Title V OP (01/03/17), and AQR 12.5.2.6(a)]*

g. The permittee shall operate and maintain all generators in accordance with the manufacturer's O&M manual for emissions-related components. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and AQR 12.5.2.6(a)]*

C. Monitoring

1. The responsible official shall sign and adhere to the *Visible Emissions Check Guidebook* and keep a copy of the signed guide on-site at all times. *[AQR 12.5.2.6(d)]*

2. The permittee shall conduct a quarterly visual emissions check for visible emissions from emissions units while they are in operation. If the units are not operating frequently enough for quarterly observations, then observations shall be conducted while the units are operating. *[AQR 12.5.2.6(d)]*

3. If no plume appears to exceed the opacity standard during the visible emissions check, the date, location, and results shall be recorded, along with the viewer's name. *[AQR 12.5.2.6(d)]*

4. If a plume appears to exceed the opacity standard, the permittee shall do one of the following: *[AQR 12.5.2.6(d)]*

   a. Immediately correct the perceived exceedance, then record the first and last name of the person who performed the emissions check, the date the check was performed, the unit(s) observed, and the results of the observation; or

b. Call a certified VEE reader to perform an EPA Method 9 evaluation.

i. For sources required to have a certified reader on-site, the reader shall start Method 9 observations within 15 minutes of the initial observation. For all other sources, the reader shall start Method 9 observations within 30 minutes of the initial observation.

ii. If no opacity exceedance is observed, the certified VEE reader shall record the first and last name of the person who performed the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each emission unit that was initially perceived to have exceeded the opacity limit, and the record shall also indicate:

(1) The cause of the perceived exceedance;

(2) The color of the emissions; and

(3) Whether the emissions were light or heavy.

iii. If an opacity exceedance is observed, the certified VEE reader shall take immediate action to correct the exceedance. The reader shall then record the first and last name of the person performing the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each reading identified, and the record shall also indicate:

(1) The cause of the exceedance;

(2) The color of the emissions;

(3) Whether the emissions were light or heavy;

(4) The duration of the emissions; and

(5) The corrective actions taken to resolve the exceedance.

5. Any scenario of visible emissions noncompliance can and may lead to enforcement action. *[AQR 12.5.2.6(d)]*

6. Visible emissions checks do not require a certified observer unless the visible emissions appear to exceed the allowable opacity limit and to last more than 30 seconds, but an EPA Method 9 observation establishes that the emissions do not in fact exceed the standard. *[AQR 12.5.2.6(d)]*

7. The permittee shall operate each emergency diesel generator (except the diesel fired aircraft arrestors) with a nonresettable hour meter and monitor the duration of operation when operated for testing, maintenance, and separately for emergencies. *[AQR 12.5.2.6(d)]*

8. The permittee shall operate each continuous duty diesel generator (EUs: A032, A033, and G160 through G162) with a nonresettable hour meter and monitor the duration of operation. *[AQR 12.5.2.6(d)]*

9. The permittee shall demonstrate compliance with the hourly emissions limitations for the internal combustion emission units by maintaining a log of the maintenance and testing activities inclusive of the date, the type of fuel consumed, and the start and stop time of each emergency generator, fire pump, and aircraft arrestor. *[AQR 12.5.2.6(d)]*

D. Testing

1. The permittee shall comply with the general performance testing requirements in Section II of this permit. *[AQR 12.5.2.8(a)]*

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum *[AQR 12.5.2.6(d)]*:
   a. date, duration of operation, and type of fuel consumed by each of the internal combustion engines for testing, maintenance, and nonemergency use;
   b. date, duration of operation, and type of fuel consumed by each of the internal combustion engines for emergency use, including documentation justifying use during the emergency; and
   c. monthly, consecutive 12-month total hours of operation and type of fuel consumed by the continuous duty internal combustion engines located at the mineral processing plant (EUs: A032, A033, and G160 through G162).
2. The permittee shall maintain records on-site that include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. excess emissions, notifications, malfunctions;
   b. audit results and corrective actions as required by 40 CFR Part 60 Appendix F;
   c. the dates and time of the visible emissions check, the name of the person conducting the check, the results of the check, and the type of corrective action taken;
   d. manufacturer's certification of the sulfur content of the jet fuel; and
   e. results of any performance testing, if applicable.
3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*
4. The permittee shall comply with the recordkeeping requirements of 40 CFR Part 60, Subpart IIII, and 40 CFR Part 63, Subpart ZZZZ.

F. Reporting

1. The permittee shall submit items stipulated by Condition V.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

VI. HUSH HOUSE

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table VI-A-1. *[AQR 12.5.2.3 and NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

Table VI-A-1: List of Emission Units

EU	Building	Description
N001	61633	Hush House
N002	61637	Hush House

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1]*

b. The permittee shall not allow the actual emissions from the hush house operations to exceed the PTE listed below in Table VI-B-1, in any consecutive 12-months. *[NSR ATC/OP 114; Modification 46, Revision 1 (11/17/08); 114 Title V OP (09/18/15), (04/30/20), and (06/15/21); and AQR 12.5.2.3]*

Table VI-B-1: PTE (tons per year)

Aircraft Engines	Power Setting	TIM (hours)	PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	THC (VOC)	HAP
F100-PW-220	Idle	240	0.17	0.15	1.15	8.83	0.25	1.99	0.32
	Military	120	0.53	0.48	17.19	0.50	0.58	1.21	0.02
	AB-5	20	0.16	0.15	3.42	4.95	0.42	0.67	0.02
F100-PW-229	Idle	150	0.05	0.05	0.31	0.83	0.08	0.04	0.11
	Military	75	0.39	0.35	12.62	0.14	0.43	0.13	0.01
	AB-1	8	0.03	0.03	1.19	1.79	0.08	0.44	0.00
F119-PW-100	Idle	100	0.17	0.12	0.21	3.32	0.07	0.11	0.10
	Military	50	0.52	0.45	9.22	0.35	0.47	0.01	0.01
	AB	6	0.13	0.11	1.11	2.42	0.15	0.01	0.01

TIM = Time in Mode
AB = Afterburner

2. Production Limitations

a. The permittee shall limit the maximum annual time in the mode of operation for each engine type testing in the hush houses as listed in Table VI-B-2. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (04/30/20)]*

Table VI-B-2: Maximum Annual Mode Hours for Each Type of Engine Test

Type of Engine	Time in Mode (Hours per year)		
	Idle	Military	Afterburner
F100-PW-220	240	120	20
F100-PW-229	150	75	8
F119-PW-100	100	50	6

b. The permittee shall limit the maximum fuel flow rate as listed in Table VI-B-3 for each aircraft engine type tested in the hush houses. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

Table VI-B-3: Maximum Fuel Flow Rate for Each Type of Engine Test

Aircraft Engines	Power Setting	Fuel Flow Rate (lbs/hr)
F100-PW-220	Idle	2,084
	Military	9,679
	Afterburner-5	41,682
F100-PW-229	Idle	1,087
	Military	11,490
	Afterburner-1	20,793
F119-PW-100	Idle	1,377
	Military	18,612
	Afterburner	50,170

3. Emission Controls

a. The permittee shall implement best management practices that result in compliance, at a minimum, with AQR 26, 40, and 43. *[AQR 12.5.2.6(a)]*

b. The permittee shall combust only jet fuel with a sulfur content equal to or less than 0.05 percent sulfur by weight. *[114 Title V OP (04/30/20) and AQR 12.5.2.6(a)]*

C. Monitoring

1. The permittee shall verify continuous compliance with the emission limitations specified in this permit by usage of accepted emission factors, operational parameters, performance test data or alternate method(s) approved by the Control Officer. *[AQR 12.5.2.6(d)]*

2. The permittee shall demonstrate compliance with the hour limits, listed in Table VI-B-2, for jet engine testing in the hush houses, by maintaining a log of the start and stop time, type of engine and the mode of operation for each engine test. *[AQR 12.5.2.6(d)]*

3. The permittee shall monitor the flow rate of the fuel used during engine testing by use of a flow meter or other method approved by the Control Officer. *[AQR 12.5.2.6(d)]*

4. The permittee shall report any exceedance in maximum fuel flow rate outlined in Table VI-B-3 to the Control Officer within five (5) working days. *[AQR 12.5.2.6(d)]*

D. Testing

1. The permittee shall comply with the general performance testing requirements in Section II of this permit. *[AQR 12.5.2.8(a)]*

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. the date, start and stop time, type of engine, and time in mode for each engine tested.
2. The permittee shall maintain records on-site that include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. excess emissions and any corrective actions taken as a result of the excess emissions;
   b. vendor certification(s) per delivery of the sulfur content of the jet fuel designated for aircraft engine testing; and

c. results of any performance testing.

3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. The permittee shall submit items required by Condition VI.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

VII. DISTURBED VACANT AREAS/UNPAVED PARKING AREAS

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission unit and associated appurtenances summarized in Table VII-A-1. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and AQR 12.5.2.3]*

Table VII-A-1: Fugitive Emission Activities

EU	Description
K001	Disturbed Areas, 70 acres

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1]*

b. The permittee shall not allow the actual emissions from storage areas/vacant land operations to exceed the PTE listed below in Table VII-B-1, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and AQR 12.5.2.3]*

Table VII-B-1: PM_{10} PTE for Disturbed Surfaces at NAFB[1] (tons/year)

EU	Area	Disturbed Surface (Acres)	PM_{10}	$PM_{2.5}$
K001	Disturbed Areas	70	21.22	3.18

[1]DAQ default emission factor of 1.66 lb/acre-day for storage pile/disturbed surface was used for PM_{10} emissions. $PM_{2.5}$ emissions are estimated to be 15% of the PM_{10} emissions.

2. Production Limits

a. The permittee, at no time, shall allow the sum of the amount of storage areas/disturbed surfaces at the entire NAFB (excluding the landfill, mineral processing, and areas under a dust permit) exceed 70 acres on any given day. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

3. Emission Controls

a. The permittee shall control fugitive dust from unpaved parking lots, material handling and storage yards, and vehicle and equipment storage yards, whenever technically feasible, by:

i. watering;

ii. paving;

iii. applying dust palliatives applicable to traffic areas;

iv. for employee, visitor and other on-road vehicle parking areas, applying dust palliatives to vehicle travel lanes within the parking lot and uniformly applying and maintaining clean, well-graded surface gravel of a minimum of 3/8 inch material to a depth of two (2) inches on the vehicle parking areas; or

v. applying and maintaining an alternate control measure pre-approved by the Control Officer. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

b. For unpaved parking lots, material handling and storage yards, and vehicle and equipment storage yards, the permittee shall stabilize soils by:

i. watering to maintain soils in a visibly moist condition;

ii. paving by application and maintenance of asphalt, concrete, or other similar material on a roadway surface;

iii. applying and maintaining per the manufacturer's recommendations dust palliatives as needed to maintain a stable surface; or

iv. maintaining gravel to at least two (2) inch minimum depth. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

c. If open areas and vacant lots are 5,000 square feet or larger and are disturbed by any means, including use by motor vehicle and/or off-road motor vehicle, or material dumping, then the permittee of such open areas and vacant lots shall implement one or more of the control measures whenever technically feasible, by:

i. preventing equipment, motor vehicles and/or off-road vehicle trespassing, parking, and/or access by installing effective control measures; and either

ii. establishing and maintaining a stable surface area at all times by watering to form a crust, establishing and maintaining adequate vegetation, uniformly applying and maintaining surface gravel or applying and maintaining dust palliatives to all areas; or

iii. applying and maintaining an alternative control measure per-approved by the Control Officer. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

d. For open areas and vacant lands, the permittee shall stabilize soils by:

i. watering to maintain soils in a visibly moist condition;

ii. crusting of the soils as determined by the Soil Crust Determination Test (Drop Ball Test);

iii. maintaining adequate vegetation cover on open areas and vacant lots;

iv. applying clean well-graded gravel of at least 3/8 inch in diameter to cover the entire area; or

v. applying and maintaining per the manufacturer's recommendations dust palliatives as needed to maintain a stable surface. [*NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

C. Monitoring

1. The responsible official shall sign and adhere to the *Visible Emissions Check Guidebook* and keep a copy of the signed guide on-site at all times. *[AQR 12.5.2.6(d)]*
2. The permittee shall conduct a monthly visual emissions check for visible emissions from the disturbed areas. *[AQR 12.5.2.6(d)]*
3. If no plume appears to exceed the opacity standard during the visible emissions check, the date, location, and results shall be recorded, along with the viewer's name. *[AQR 12.5.2.6(d)]*
4. If a plume appears to exceed the opacity standard, the permittee shall do one of the following: *[AQR 12.5.2.6(d)]*
   a. Immediately correct the perceived exceedance, then record the first and last name of the person who performed the emissions check, the date the check was performed, the unit(s) observed, and the results of the observation; or
   b. Call a certified VEE reader to perform an EPA Method 9 evaluation.
      i. For sources required to have a certified reader on-site, the reader shall start Method 9 observations within 15 minutes of the initial observation. For all other sources, the reader shall start Method 9 observations within 30 minutes of the initial observation.
      ii. If no opacity exceedance is observed, the certified VEE reader shall record the first and last name of the person who performed the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each emission unit that was initially perceived to have exceeded the opacity limit, and the record shall also indicate:
         (1) The cause of the perceived exceedance;
         (2) The color of the emissions; and
         (3) Whether the emissions were light or heavy.
      iii. If an opacity exceedance is observed, the certified VEE reader shall take immediate action to correct the exceedance. The reader shall then record the first and last name of the person performing the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each reading identified, and the record shall also indicate:
         (1) The cause of the exceedance;
         (2) The color of the emissions;
         (3) Whether the emissions were light or heavy;
         (4) The duration of the emissions; and
         (5) The corrective actions taken to resolve the exceedance.
5. Any scenario of visible emissions noncompliance can and may lead to enforcement action. *[AQR 12.5.2.6(d)]*

6. Visible emissions checks do not require a certified observer unless the visible emissions appear to exceed the allowable opacity limit and to last more than 30 seconds, but an EPA Method 9 observation establishes that the emissions do not in fact exceed the standard. *[AQR 12.5.2.6(d)]*

7. The Control Officer reserves the right at any time to require additional control measures to ensure that the 20 percent opacity as determined by conducting observations in accordance with EPA Method 9. *[AQR 12.5.2.6(d)]*

8. The permittee shall observe operations at least monthly, and more often as meteorological conditions warrant, and shall investigate any occurrence of visible fugitive dust within normal working hours (Monday through Friday, excluding holidays, between the hours of 7:00 to 17:00). Corrective action shall be immediately taken to correct causes of fugitive dust in excess of allowable opacity limits. *[AQR 12.5.2.6(a)]*

9. Where unpaved access roadways may exist, the permittee shall monitor all vehicles traveling on unpaved roadways, and take such action as necessary to stabilize the surface as traffic and meteorological conditions warrant. *[AQR 12.5.2.6(a)]*

10. The Control Officer reserves the right at any time to quantify acreage of disturbed areas, storage lots and unpaved parking lots to demonstrate compliance with emission limitations outlined in this permit. *[AQR 12.5.2.6(d)]*

D. Testing

1. The permittee shall comply with the general performance testing requirements in Section II of this permit. *[AQR 12.5.2.8(a)]*

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum *[AQR 12.5.2.6(d)]*:

   a. monthly, total area of unpaved parking lots, material handling and storage yards, vehicle and equipment storage yards, disturbed open areas, and disturbed vacant land in acres.

2. The permittee shall maintain records on-site that include, at a minimum *[AQR 12.5.2.6(d)]*:

   a. the dates and time of the visible emissions check, the name of the person conducting the check, the results of the check, and the type of corrective action taken (if required);

   b. a log book of excess opacity and any corrective actions taken;

   c. records of all fugitive dust abatement activities; and

   d. results of any performance testing. *[40 CFR 60.7 – 40 CFR 60.11]*

3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. The permittee shall submit items stipulated by Condition VIII.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

VIII. MINERAL PROCESSING

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Tables VIII-A-1 through VIII-A-4. *[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); and 114 Title V OP (09/18/15), (04/20/16), (07/01/17), and (04/30/20)]*

Table VIII-A-1: Asphalt Plant Emission Units

EU	Description	Make	Model No.	Serial No.
A040	Hopper 1	Terex	PAB-420TR	
A041	Hopper 2	Terex	PAB-420TR	
A042	Hopper 3	Terex	PAB-420TR	
A043	Hopper 4	Terex	PAB-420TR	
A044	Gathering Conveyor	Terex	TPC-2447	245
A045	Screen	Terex	N/A	
A046	Charging Conveyor	Terex	TPC-2447	
A047	Drum Mixer	Terex	E-225P (Baghouse: RA-218PS)	(Baghouse: 1 31)
A048	Conveyor - Load Out	Terex	PC-2447	
A049	Hopper - Load Out	Terex	SE-195	
A050	Burner	Terex		
A061	Conveyor	Terex		
A062	Conveyor	Terex		
A063	Storage Pile			

Table VIII-A-2: Concrete Plant Emission Units

EU	Description	Make	Model No.	Serial No.
A077	Mobile Cement Silo	CemenTech Inc	CT-200LP	TBD
A017	Storage Piles - Gravel/Dirt, 0.10 acres			
A018	Storage Piles - Sand, 0.05 acres			
A054	Cement Silo	Retesa	HCC1EM-H4050	212-RTE-1T-6502
A055	Cement Silo	Retesa	HCC1EM-H4050	212-RTE-1T-6503
A056	Conveyor	Erie Strayer Company	MC-11C	
A057	Mixer	Erie Strayer Company	MC-11C	
A058	Aggregate Bin (aggregate)	Erie Strayer Company	MC-11C	
A059	Aggregate Bin (sand)	Erie Strayer Company	MC-11C	
A060	Batch Transfer Conveyor	Erie Strayer Company	MC-9485	
A064	Conveyor	Erie Strayer Company	MC-11C	
A065	Conveyor	Erie Strayer Company	MC-11C	
A066	Aggregate Bin (aggregate)	Erie Strayer Company	MC-11C	
A067	Hopper	C&W Enviro Systems	CP-7500	29845

Table VIII-A-3: Aggregate Plant Emission Units

EU	Description	Make	Model No.	Serial No.
A082a-f	Six Conveyors Integrated with A082	Metso		
A083a-d	Four Conveyors Integrated with A083	Metso	LT106	79834
A081a-d	Four Conveyors Integrated with A081	Metso		
A080	Conveyor Transfer Point	Superior	F36X40STKP	W01281136
A081	Mobile Screen (with four conveyors)	Metso	ST3.8	79742
A082	Mobile Cone Crusher (with six conveyors)	Metso	LT200HPS	79797
A083	Mobile Jaw Crusher	Metso	Nordberg LT106	79834
A078	Conveyor Transfer Point	Screen Machine	09X133771	CH40-36-D-J12345
A079	Conveyor Transfer Point	Eagle Technologies Group		
A019	Crusher	Eagle	62D370	11361
A020	Wash Plant Screen	JCI	JCI516326	00H03L26
A024	Conveyor Transfer Point	Eagle	PRSC	2701
A025	Conveyor Transfer Point	Eagle	PRSC	2702
A026	Conveyor Transfer Point	Eagle	PRSC	2694
A027	Storage Pile	Gravel-Dirt, 2.0 Acres		
A034	Conveyor	Eagle	36D3879	30318
A035	Conveyor	Kolman	101	86-208-24-60
A036	Conveyor	Kolman	101	86-206-24-60
A037	Conveyor	Goodfellow		
A038	Conveyor	Goodfellow		
A069	Transfer Auger	KPI-JCI	5030-25S	409350
A071	Conveyor	Screen Machine		TE60-30-JD1731
A074	Storage Pile Bin (aggregate base material)			
A075	Screen	Eagle	M110B	4563
A084	Stacker	Pioneer Conveyor	North Star 11049	ILCGT2435PR59C-L

Table VIII-A-4: Haul Roads

EU	Description
A028	Paved Haul Road, 10,950 Vehicle Miles Travel (VMT) per consecutive 12-months
A072	Unpaved Haul Road, 10,950 Vehicle Miles (VMT) per consecutive 12-months

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not discharge or cause the discharge into the atmosphere from any Hot Mix Asphalt facility, including all the emission units listed in Table VIII-A-1, emissions exceeding 20 percent opacity. *[40 CFR 60.92]*

b. The permittee shall not discharge or cause the discharge into the atmosphere from the asphalt drum (EU: A047) emissions containing particulate matter in excess of 0.04 gr/dscf (90 mg/dscm). *[ATC/OP 114, Modification 37, Revision 1 (03/13/2008) and 40 CFR 60.92]*

c. The permittee shall not allow visible emissions from binvents associated with the Concrete Batch Plant, listed in Table VIII-A-2, greater than 7 percent opacity (EUs: A054, A055, A058, A059, and A077). *[ATC/OP 114, Modification 37, Revision 1 (03/13/2008), Condition X.B.2.j, and 114 Title V OP (09/18/15) and (04/30/20)]*

d. The permittee shall not allow visible emissions from the Concrete Batch Plant emission units, listed in Table VIII-A-2, to exceed 20 percent opacity. *[AQR 26.1]*

e. The permittee shall not allow visible emissions from the Aggregate Processing facility, including the emission units listed in Tables VIII-A-1, VIII-A-3, and VIII-A-4 to exceed the following standards:

i. from any screening equipment, conveyors, storage piles, stackers, transfer point on belt conveyors, that commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, fugitive emissions shall not exhibit greater than 10 percent opacity (EUs: A020 and A024 through A026); *[40 CFR 60.672]*

ii. from any crusher that commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, at which a capture system is not used, fugitive emissions shall not exhibit greater than 15 percent opacity (EU: A019); *[40 CFR 60.672]*

iii. from any screening equipment, conveyors, storage piles, stackers, transfer point on belt conveyors, that commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, fugitive emissions shall not exhibit greater than 7 percent opacity (EUs: A027, A034 through A038, A044 through A046, A069, A071, A074, A075, A082a-f, A083a-d, A081a-d, A078 through A081, and A084); *[40 CFR 60.672]*

iv. from any crusher that commenced construction, modification, or reconstruction on or after April 22, 2008, at which a capture system is not used, fugitive emissions shall not exhibit greater than 12 percent opacity (EUs: A082 and A083); *[40 CFR 60.672] and*

v. from any other fugitive emission source, fugitive emissions shall not exhibit greater than 20 percent opacity. *[AQR 26.1]*

f. The permittee shall not allow the actual emissions from the mineral processing emission units to exceed the PTE listed in Tables VIII-B-1 through VIII-B-5, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (09/18/15), (04/20/16), (04/30/20), and (06/15/21); and Application for Part 70 OP Revision (05/27/21)]*

Table VIII-B-1: PM_{10} PTE Asphalt Plant Processing Emission Units

EU	Throughput (tons/hour)	Throughput (tons/year)	PM_{10} EF (lbs/ton)	$PM_{2.5}$ EF (lbs/ton)	Control Efficiency[1] (%)	PM_{10} (lb/hr)	PM_{10} (ton/yr)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (ton/yr)
A040	130	18,000	0.0011	0.000308	90.0	0.14	0.01	0.04	0.01
A041	130	18,000	0.0011	0.000308	90.0	0.14	0.01	0.04	0.01
A042	130	18,000	0.0011	0.000308	90.0	0.14	0.01	0.04	0.01
A043	130	18,000	0.0011	0.000308	90.0	0.14	0.01	0.04	0.01
A044	130	18,000	0.0011	0.000308	90.0	0.14	0.01	0.04	0.01
A045	130	18,000	0.0087	0.000609	90.0	1.13	0.08	0.08	0.01
A046	130	18,000	0.0011	0.000308	90.0	0.25	0.01	0.07	0.01
A047	130	18,000	0.023	0.0029	90.0	5.18	0.21	0.65	0.03
A048	130	18,000	0.0025	0.0025	90.0	0.56	0.02	0.56	0.02
A049	130	18,000	0.0025	0.0025	90.0	0.56	0.02	0.56	0.02

EU	Throughput (tons/hour)	Throughput (tons/year)	PM_{10} EF (lbs/ton)	$PM_{2.5}$ EF (lbs/ton)	Control Efficiency[1] (%)	PM_{10} (lb/hr)	PM_{10} (ton/yr)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (ton/yr)
A050	9.21 gal/hr	16,800 gal/yr	2	2		0.02	0.02	0.02	0.02
A061	130	18,000	0.0011	0.000308	90.0	0.14	0.01	0.04	0.01
A062	130	18,000	0.0011	0.000308	90.0	0.14	0.01	0.04	0.01
A063	0.25 acres		1.66 lb/acre-day	0.249 lb/acre-day		0.08	0.08	0.01	0.01

[1]Controlled emission factor reflecting use of water sprays to reduce particulate in materials less than one-quarter inch in diameter.

Table VIII-B-2: PTE Asphalt Plant (tons per year)

EU	Description	PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC	HAP
A040	Hopper 1	0.01	0.01	0.00	0.00	0.00	0.00	0.00
A041	Hopper 2	0.01	0.01	0.00	0.00	0.00	0.00	0.00
A042	Hopper 3	0.01	0.01	0.00	0.00	0.00	0.00	0.00
A043	Hopper 4	0.01	0.01	0.00	0.00	0.00	0.00	0.00
A044	Gathering Conveyor	0.01	0.01	0.00	0.00	0.00	0.00	0.00
A045	Screen	0.08	0.01	0.00	0.00	0.00	0.00	0.00
A046	Charging Conveyor	0.01	0.01	0.00	0.00	0.00	0.00	0.00
A047	Drum Mixer	0.21	0.03	0.50	1.17	0.10	0.29	0.07
A048	Conveyor - Load Out	0.02	0.02	0.00	0.08	0.00	0.24	0.00
A049	Hopper - Load Out	0.02	0.02	0.00	0.08	0.00	0.24	0.00
A050	Burner	0.02	0.02	0.17	0.04	0.01	0.01	0.01
A061	Conveyor	0.01	0.01	0.00	0.00	0.00	0.00	0.00
A062	Conveyor	0.01	0.01	0.00	0.00	0.00	0.00	0.00
A063	Storage Pile	0.08	0.01	0.00	0.00	0.00	0.00	0.00

Table VIII-B-3: PTE Concrete Plant (tons per year)

EU	Throughput (tons/hour)	Throughput (tons/year)	PM_{10} EF (lbs/ton)	$PM_{2.5}$ EF (lbs/ton)	Control Efficiency[1] (%)	PM_{10} (lbs/hr)	PM_{10} (tons/yr)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (ton/yr)
A077	810	15,000	0.47	0.0752	99.0	3.81	0.04	0.61	0.01
A017	0.10 acres		1.66 lb/acre-day	0.249 lb/acre-day		0.01	0.03	0.01	0.01
A018	0.05 acres		1.66 lb/acre-day	0.249 lb/acre-day		0.01	0.02	0.01	0.01
A054	810	15,000	0.47	0.0752	99.0[2]	3.81	0.04	0.61	0.01
A055	810	15,000	0.47	0.0752	99.0[2]	3.81	0.04	0.61	0.01
A056	810	15,000	0.0031	0.000868	90.0	0.25	0.01	0.07	0.01
A057	810	15,000	0.156	0.02496	90.0	12.64	0.12	2.02	0.02
A058	810	15,000	0.0033	0.000924	90.0	0.27	0.01	0.07	0.01
A059	810	15,000	0.00099	0.0002772	0	0.80	0.01	0.22	0.01
A060	810	15,000	0.0031	0.000868	90.0	0.25	0.01	0.07	0.01
A064	810	15,000	0.0031	0.000868	90.0	0.25	0.01	0.07	0.01
A065	810	15,000	0.0031	0.000868	90.0	0.25	0.01	0.07	0.01
A066	810	15,000	0.0033	0.000924	90.0	0.27	0.01	0.07	0.01
A067	810	15,000	0.0028	0.000784	90.0	0.23	0.01	0.06	0.01

[1]90.0 percent control efficiency.
[2]99 percent control efficiency for silos based on binvent control.

Table VIII-B-4: PTE Aggregate Plant (tons per year)

EU	Throughput (tons/hour)	Throughput (tons/year)	PM_{10} EF (lbs/ton)	$PM_{2.5}$ EF (lbs/ton)	Control Efficiency (%)	PM_{10} (lbs/hr)	PM_{10} (tons/yr)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (ton/yr)
A082a	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A082b	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A082c	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A082d	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A082e	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A082f	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A083a	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A083b	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A083c	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A083d	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A081a	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A081b	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A081c	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A081d	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A080	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A081	300	100,000	0.0087	0.000609	0	2.61	0.44	0.18	0.03
A082	300	100,000	0.0024	0.000456	0	0.72	0.12	0.14	0.02
A083	300	100,000	0.0024	0.000456	0	0.72	0.12	0.14	0.02
A078	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A079	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A019	300	100,000	0.0024	0.000456	0	0.72	0.12	0.14	0.02
A020	300	100,000	0.0087	0.000609	0	2.61	0.44	0.18	0.03
A024	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A025	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A026	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A027	2.00 acres		1.66 lb/acre-day	0.249 lb/acre-day		0.14	0.61	0.01	0.02
A034	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A035	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A036	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A037	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A038	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A069	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A071	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02
A074	0.83 acres		1.66 lb/acre-day	0.249 lb/acre-day		0.06	0.25	0.01	0.01
A075	300	100,000	0.0087	0.000609	0	2.61	0.44	0.18	0.03
A084	300	100,000	0.0011	0.000308	0	0.33	0.06	0.09	0.02

Table VIII-B-5: PTE Haul Road (tons per year)

EU	Throughput (VMT/yr)	PM_{10} EF (lbs/VMT)	$PM_{2.5}$ EF (lbs/VMT)	Control Efficiency[1] (%)	PM_{10} (lbs/hr)	PM_{10} (tons/yr)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (ton/yr)
A028	10,950	7.57	1.1355	98.0	2.12	0.83	0.32	0.12
A072	10,950	7.57	0.757	90.0	10.60	4.14	1.06	0.41

g. The permittee shall not cause or allow fugitive dust from trackout, which includes accumulation of mud or dirt on curbs, gutters, sidewalks, or paved surfaces, or from the handling, transport, or storage of any material in a manner that allows visible emissions of particulate matter to: *[AQR 94.14(a) & AQR 94.14(e)]*

   a. Exceed 20% opacity using the Time Averaged Method (AQR 94.15.2) or the Intermittent Emissions Method (AQR 94.15.3);

   b. Exceed 50% opacity using the Instantaneous Method (AQR 94.15.4);

   c. Extend more than 100 feet; or

   d. Cross a property line.

h. The permittee shall not allow fugitive dust emissions from unpaved parking lots or storage areas of more than 5,000 square feet to exceed: *[AQR 92.4(a)]*

   a. 20% opacity based on the Opacity Test Method (AQR 92.6.1); or

   b. 50% opacity based on the Instantaneous Method (AQR 92.6.2).

i. The permittee shall not allow a fugitive dust plume from an unpaved parking lot or storage area of more than 5,000 square feet to cross a property line. *[AQR 92.4(b)]*

2. Production Limits

a. The permittee shall limit production at the asphalt plant (EUs: A040 through A049, and A061 through A063) to 130 tons of material per hour and 18,000 tons of material in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (09/18/15) and 04/30/20)]*

b. The permittee shall limit the amount of diesel fuel used for the 1.2 MMBtu/hr asphalt plant burner (EU: A050) to 16,800 gallons in any twelve consecutive month period. *[NSR ATC/OP, Modification 46, Revision 1 (11/17/08)]*

c. The permittee shall limit production at the concrete batch plant (EUs: A017, A018, A054 through A060, A064 through A067, and A077) to 810 tons of material per hour and 15,000 tons of material in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (09/18/15) and (04/30/20)]*

d. The permittee shall limit the production at the aggregate facility (EUs: A019, A020, A024 through A027, A034 through A039, A069, A070, A071, A075, and A078 through A83d) to produce 300 tons of material per hour and 100,000 tons of material in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08), 114 Title V OP (09/18/15), (04/20/16), and (04/30/20); and Application for Part 70 OP Revision (05/27/21)]*

e. The permittee shall limit traffic to a maximum of 10,950 VMT in any consecutive 12-months on the paved haul road (EU: A028). *[114 Title V OP (07/01/17)]*

f. The permittee shall limit traffic to a maximum of 10,950 VMT in any consecutive 12-months (EU: A072) on the unpaved haul road. *[114 Title V OP (07/01/17)]*

3. Emission Controls

Mineral Processing Equipment

a. The permittee shall incorporate, and maintain in good operating condition at all times, an effective water suppression system to control visible emissions within allowable opacity limits for the following emission units: A019, A020, A024 through A027, A034, A037 through A039, A069 through A071, A075, and A078 through A083d. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (04/20/16) and (04/30/20)]*

b. The permittee shall take continual measures to control fugitive dust (e.g. wet, chemical or organic suppression, enclosures, etc.) at all mining and aggregate processing operations, material transfer points, stockpiles, truck loading stations and haul roads throughout the source to comply with the applicable opacity standards. *[AQR 41.1]*

c. The permittee shall sweep and/or rinse paved roads accessing or located on the site as necessary to remove all observable deposits and so as not to exhibit an average opacity in excess of 20 percent for a period or periods totaling more than 6 minutes in any 60 minute period. *[AQR 41.1]*

d. The permittee shall control fugitive emissions on unpaved roads accessing or located on the site by treating with chemical or organic dust suppressant and/or watered as necessary, or paved, or graveled, or have an alternate, Control Officer approved, control measure applied, so as not to exhibit an average opacity in excess of 20 percent for a period or periods totaling more than 6 minutes in any 60 minute period. *[AQR 41.1]*

Asphalt Plant

e. The permittee shall incorporate, and maintain in good operating condition at all times, an effective water suppression system to control visible emissions within allowable opacity limits for the following emission units: A040 through A050 and A061 through A063. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (09/18/15)]*

f. The permittee shall use a baghouse on the Drum Mixer (EU: A047) to control particulate emissions at all times the processing equipment is operating. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

g. The permittee shall maintain and operate the baghouse on the Drum Mixer (EU: A047) to attain an effective seal and particulate control efficiency of 90.0 percent. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

h. The permittee shall maintain an effective seal around the baghouse by correcting all leaks adversely affecting its performance. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

i. The permittee shall maintain the pressure drop across the baghouse within a normal operating range as defined by manufacturer's O&M manual and as demonstrated through monitoring records (EU: A047). *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

Concrete Plant *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

j. The permittee shall incorporate, and maintain in good operating condition at all times, an effective water suppression system to control visible emissions within allowable opacity limits for the following emission units: A017, A018, A054 through A060, and A064 through A067.

k. The permittee shall use bin vents on the cement silos to control particulate emissions at all times the processing equipment is operating (EUs: A054, A055, and A077).

l. The permittee shall maintain and operate the bin vents on the two cement silos to attain an effective seal and particulate control efficiency of 99.0 percent (EUs: A054, A055, and A077).

m. The permittee shall ensure that there is an effective seal on the bin vents by maintaining the bin vents in accordance with the manufacturer's O&M manual. *[AQR 12.5.2.6(d)]*

Fugitive Dust *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

n. The permittee shall not cause or allow the discharge of fugitive dust in excess of 100 yards from the point of origin or beyond the lot line of the property on which the emissions originate, whichever is less.

o. The permittee shall implement long-term stabilization of disturbed surfaces when the stationary source, or a portion thereof, is to be closed or idled for a period of 30 days or more, within 10 days following the cessation of active operations. Long-term stabilization includes, but is not limited to one or more of the following: applying water to form a crust, applying palliatives, applying gravel, paving, and denying unauthorized access, or other effective control measure to prevent fugitive dust from becoming airborne.

p. The permittee shall effectively cover all loaded trucks leaving the site and carrying loose materials to reduce emissions of dust. This condition applies to trucks regardless of whether they are owned and operated by the owner/operator.

q. The permittee shall not allow mud or dirt to accumulate on a paved surface where trackout extends greater than 50 feet in cumulative length or accumulates to a depth greater than 0.25 inches. *[AQR 94.14(d)]*

r. The permittee shall immediately clean any trackout, including trackout less than 50 feet in length or 0.25 inches in depth, and maintain the surface to eliminate emissions of fugitive dust by removing all accumulations of mud or dirt on curbs, gutters, sidewalks, or paved surfaces that cause visible emissions in excess of the emission limits and standards in this permit. *[AQR 94.14(e)]*

s. Except as otherwise required in this section, all trackout shall be cleaned up by the end of the workday or evening shift, regardless of length or depth. *[AQR 94.14(f)]*

t. The permittee shall not use blower devices or dry rotary brushes to remove deposited mud, dirt, or rock from a paved surface. Rotary brushes may be used when sufficient water is applied to limit visible emissions consistent with the emissions limits in this permit. *[AQR 94.14(a)(1)-(3), (b) and (c)]*

u. For stockpiles over eight feet high, the permittee shall: *[AQR 94.14(g)]*

    a. Locate the stockpile more than 100 yards from occupied buildings unless approved in advance by the Control Officer.

    b. Blade a road to the top of the stockpile to allow water truck access, or use another means to provide equally effective dust control at the top of the stockpile.

v. The permittee shall implement one or more of the following to maintain fugitive dust control on all disturbed soils to the extent necessary to pass the Drop Ball Test described in AQR 94.15.5: *[AQR 94.12(b)]*

    a. Maintain in a sufficiently damp condition to prevent loose particles of soil from becoming dislodged;

    b. Crust over by application of water;

c. Completely cover with clean gravel;

d. Treat with a dust suppressant; or

e. Treat using another method approved in advance by the Control Officer.

w. The permittee shall not allow unpaved parking lots or storage areas of more than 5,000 square feet to exceed the following, as determined by Section 92.6.3, except in areas on which clean gravel has been applied. The permittee shall demonstrate compliance as required by the Control Officer. *[AQR 92.4(a)]*

a. 0.33 oz/ft^2 silt loading; or

b. 6% silt content.

x. The permittee shall control fugitive dust emissions from unpaved parking lots and storage areas of more than 5,000 feet by: *[AQR 92.3.4]*

a. Paving, as defined in AQR 0;

b. Applying alternate asphalt paving, as defined in AQR 92.2;

c. Uniformly applying and maintaining clean gravel to a depth of two inches; or

d. Applying and maintaining an alternative control measure with prior written approval from the Control Officer.

y. Control measures outlined in this permit, and other measures needed for maintaining dust control, shall be implemented 24 hours a day, 7 days a week. *[AQR 94.13(b)]*

General *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

z. The Control Officer at any time may require additional water sprays at pertinent locations if an inspection indicates the six minute opacity limit is being exceeded.

aa. The permittee shall not cause, suffer or allow the discharge from any source whatsoever such quantities of air contaminants or other material which cause a nuisance, including excessive odors. *[AQR 40 and AQR 43]*

C. Monitoring

Visible Emissions *[AQR 12.5.2.6(d)]*

1. The responsible official shall sign and adhere to the *Visible Emissions Check Guidebook* and keep a copy of the signed guide on-site at all times.

2. The permittee shall conduct daily visual emissions check when the units are operating for visible emissions from emissions units while they are in operation. If the units are not operating frequently enough for daily observations, then observations shall be conducted while the units are operating.

3. If no plume appears to exceed the opacity standard during the visible emissions check, the date, location, and results shall be recorded, along with the viewer's name.

4. If a plume appears to exceed the opacity standard, the permittee shall do one of the following:
    a. Immediately correct the perceived exceedance, then record the first and last name of the person who performed the emissions check, the date the check was performed, the unit(s) observed, and the results of the observation; or
    b. Call a certified VEE reader to perform an EPA Method 9 evaluation.
        i. For sources required to have a certified reader on-site, the reader shall start Method 9 observations within 15 minutes of the initial observation. For all other sources, the reader shall start Method 9 observations within 30 minutes of the initial observation.
        ii. If no opacity exceedance is observed, the certified VEE reader shall record the first and last name of the person who performed the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each emission unit that was initially perceived to have exceeded the opacity limit, and the record shall also indicate:
            (1) The cause of the perceived exceedance;
            (2) The color of the emissions; and
            (3) Whether the emissions were light or heavy.
        iii. If an opacity exceedance is observed, the certified VEE reader shall take immediate action to correct the exceedance. The reader shall then record the first and last name of the person performing the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each reading identified, and the record shall also indicate:
            (1) The cause of the exceedance;
            (2) The color of the emissions;
            (3) Whether the emissions were light or heavy;
            (4) The duration of the emissions; and
            (5) The corrective actions taken to resolve the exceedance.
5. Any scenario of visible emissions noncompliance can and may lead to enforcement action.
6. Visible emissions checks do not require a certified observer unless the visible emissions appear to exceed the allowable opacity limit and to last more than 30 seconds, but an EPA Method 9 observation establishes that the emissions do not in fact exceed the standard.

Mineral Processing Equipment *[AQR 12.5.2.6(d)]*

7. The permittee shall visually inspect the water spray system once each day of operation at all emission units controlled through water suppression and monitor its effectiveness. Inspections shall include, but not be limited to, flow rates, leaks, and nozzle conditions, as applicable.
8. The permittee shall monitor the throughput of all mineral products in tonnage.

Baghouses/Bin vents *[AQR 12.5.2.6(d)]*

9. The permittee shall visually inspect the bin vents when in operation at least monthly for air leaks. Defective components shall be repaired or replaced within 5 working days of the discovery of the malfunction. Should the malfunction cause the bin vent to be ineffective in controlling particulate emissions, the processing of material shall cease until such repairs to the binvent are completed (EUs: A054, A055, and A077).

10. The permittee shall develop and follow a preventative maintenance schedule that is consistent with the binvent manufacturer's O&M manual for routine and long-term maintenance.

11. When in use, the permittee shall conduct daily monitoring of the pressure drop across baghouse cell with the installation and operation of a pressure differential (Magnehelic) gauge per manufacturer's O&M manual (EU: A047).

12. The permittee shall visually inspect the baghouse interior at least monthly for air leaks. Defective baghouse compartments shall be sealed off and repairs completed within 5 working days of the discovery of the malfunction or if repairs cannot be made within five days from detection, repairs must be completed before the next operation of the material processing equipment connected to the baghouse. Should the malfunction cause the baghouse to be ineffective in controlling particulate emissions, the processing of material shall cease until such repairs to the baghouse are completed.

13. The permittee shall have a standard operating procedures (SOP) manual for the baghouse. The procedures specified in the manual for maintenance shall, at a minimum, include a preventative maintenance schedule that is consistent with the baghouse manufacturer's O&M manual for routine and long-term maintenance (EU: A047).

14. When in use, the permittee shall conduct daily visual observations of baghouse and/or stack discharges to verify that visible emissions are not present in excess of allowable opacity limits. If they are, the permittee shall cease operations producing the emissions until the problem is corrected.

Haul Roads/Disturbed Surfaces *[AQR 12.5.2.6(d)]*

15. Compliance with the opacity standards for paved and unpaved roads contained within the permit shall be demonstrated, when required by the Control Officer, in accordance with one of the following, as applicable:

    a. EPA Method 9 (Standards for Opacity); or

    b. The test method set forth in AQR 94.12.4: Instantaneous Method.

D. Testing

1. The permittee shall conduct initial EPA Method 5 Particulate Matter Concentration performance test on emissions from the Hot Mix Asphalt drum (EU: A047) that has operated during the calendar year. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf). A report of the results shall be submitted to the Control Officer. *[40 CFR 60.93 and AQR 12.5.2.8(a)]*

2. The permittee shall conduct initial EPA Method 9 Opacity test on all mineral processing equipment (EUs: A017 through A020, A024 through A027, A034, A037, A038, A047, A054 through A060, A064 through A069, A071, and A078 through A083d) that has operated during the calendar year. A report of the results shall be submitted to the Control Officer. *[40 CFR 60.93 and AQR 12.5.2.8(a)]*

3. The permittee shall conduct subsequent Method 5 performance testing every five years, no later than 90 days after the anniversary date of the last successful performance test (EU: A047). *[AQR 12.5.2.8(a)]*

4. The permittee shall conduct subsequent Method 9 performance testing every five years, no later than 90 days after the anniversary date of the last successful performance test (EUs: A054, A055, and A077). *[AQR 12.5.2.8(a)]*

5. The permittee shall comply with the general performance testing requirements in Section II of this permit. *[AQR 12.5.2.8]*

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum: *[AQR 12.5.2.6(d)]*

   a. monthly, consecutive 12-month total amount of material excavated and/or processed through the rock crushers and screens;

   b. monthly, consecutive 12-month total amount of concrete produced at the concrete batch plant;

   c. monthly, consecutive 12-month total amount of asphalt produced at the asphalt batch plant; and

   d. monthly, consecutive 12-month total vehicles miles traveled on haul road(s) and the length of the haul road(s).

2. The permittee shall maintain records on-site that include, at a minimum *[AQR 12.5.2.6(d)]*:

   a. the dates and time of the visible emissions check, the name of the person conducting the check, the results of the check, and the type of corrective action taken (if required);

   b. baghouse pressure differential;

   c. log of control device inspections, maintenance and repair;

   d. log of dust control measures applied to the paved haul road, unpaved haul road, parking lots, and vacant areas;

   e. the results of any performance testing; and,

   f. excess emissions, notifications, and malfunctions, including actions taken to remedy the excess emissions and malfunctions.

3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. If at any time, the permittee replaces all existing equipment in a production line with new equipment, the permittee shall submit all information about the existing equipment and its replacement equipment to the Administrator. *[40 CFR 60.676]*

2. The permittee shall submit items stipulated by Condition VIII.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

IX. PAINT BOOTHS

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table IX-A-1. *[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); and 114 Title V OP (04/20/16), (01/03/17), (07/01/17), and (04/30/20)]*

Table IX-A-1: List of Emission Units

EU	Building	Description	Make	Model No.	Serial No.
D001	252-1	Paint Booth	JBI	F-22	30807-A
D018	252-2	Paint Booth	Pauli Systems, Inc.		
D002	253	75’ x 17’ Paint Booth	Pauli Systems, Inc.		
D003	256-1	95’6” x 91’6” x 20’ Paint Booth	JBI	DB-7322-5	20849
D004	256-2	Paint Booth	Pauli Systems, Inc.	Custom Design	SNMFGBJ25/1
D028	474	Paint Booth			
D005	807	15’7” x 7’7” x 8’ Paint Booth	Binks		83-2448
D006	868	Paint Booth	Binks	SDT-44-PSB-S	25268
D033	868	Mobile Paint Booth	Centrimaster	M669160-XD161K41	13A1477-1
D034	Flight Line	Mobile Paint Booth	Clayton	TV-1400	
D035	Flight Line	Mobile Paint Booth	Clayton	TV-1400	
D007	10144	20’ X 30’ Paint Booth	JBI		
D009	10148	Paint Booth	Bleeker Bros	TSDT-40	00-142
D022	10305	Paint Booth	Dwyer Mark II/SATA		

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1]*

b. The permittee shall not discharge from any source whatsoever quantities of air contaminants or other material which cause a nuisance. *[AQR 40.1]*

c. The permittee shall not allow the actual emissions from each paint booth to exceed the PTE listed in Table IX-B-1, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/20/16), (01/03/17), (07/01/17), and (04/30/20); and AQR 12.5.2.3]*

Table IX-B-1: Paint Booths PTE (tons per year)

EU	PM_{10}	$PM_{2.5}$	VOC	HAP
D001	0.06	0.06	1.19	0.67
D018	0.06	0.06	1.19	0.67
D002	0.02	0.02	2.19	1.12
D003	0.15	0.15	2.48	1.31
D004	0.15	0.15	2.48	1.31
D028	0.01	0.01	1.44	0.81
D005	0.01	0.01	1.02	0.45
D006	0.01	0.01	2.24	1.15
D007	0.01	0.01	0.59	0.31
D009	0.03	0.03	1.27	0.66
D022	0.01	0.01	0.52	0.29
D033	0.01	0.01	0.63	0.35
D034	0.05	0.05	5.15	2.72
D035	0.05	0.05	5.15	2.72

2. Production Limits

a. The maximum gallons of paint used by each paint booth at NAFB shall be limited as follows in Table IX-B-2, in any consecutive 12-months: *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (09/18/15) and (04/30/20)]*

Table IX-B-2: Maximum Allowable Gallons of Surface Coating Materials (gallons/year)

EU	Building	Topcoat	Primer	Cleaning	Specialty Coating
D001	252-1	1,500	450	200	1,500
D018	252-2	1,500	450	200	1,500
D002	253-1	900	80	30	0
D003	256-1	7,000	1,000	215	1,500
D004	256-2	7,000	1,000	215	1,500
D028	474	200	125	125	0
D005	807-1	350	25	25	0
D006	868-1	520	190	40	0
D007	10144-1	180	50	20	0
D009	10148-1	350	50	30	0
D022	10305-1	180	0	40	0
D033	868	100	50	50	0
D034	Flight Line	1,500	450	200	0
D035	Flight Line	1,500	450	200	0

b. The VOC and HAP content of surface coating materials shall not exceed the limits outlined in Table IX-B-3 at any time. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 14 Title V OP (09/18/15) and (04/30/20)]*

Table IX-B-3: Allowable VOC and HAP Content of Surface Coating Materials

EU	Topcoat (lbs/gal)		Primer (lbs/gal)		Cleaning (lbs/gal)		Specialty Coating (lbs/gal)	
	VOC	HAP	VOC	HAP	VOC	HAP	VOC	HAP
D001	4.10	2.05	5.88	2.94	7.49	5.24	9.0	5.24
D018	4.10	2.05	5.88	2.94	7.49	5.24	9.0	5.24
D002	4.10	2.05	5.88	2.94	7.49	5.24		
D003	4.10	2.05	5.88	2.94	7.49	5.24	9.0	5.24
D004	4.10	2.05	5.88	2.94	7.49	5.24	9.0	5.24
D028	5.70	2.85	6.45	3.23	7.49	5.24		
D005	5.00	2.05	4.00	2.00	7.49	5.24		
D006	5.70	2.85	6.45	3.23	7.49	5.24		
D007	4.10	2.05	5.88	2.94	7.49	5.24		
D009	5.70	2.85	6.45	3.23	7.49	5.24		
D022	4.10	2.05	5.88	2.94	7.49	5.24		
D033	5.7	2.85	6.45	3.23	7.49	5.24		
D034	4.1	2.05	5.88	2.94	7.49	5.24		
D035	4.1	2.05	5.88	2.94	7.49	5.24		

3. Emission Controls

a. The permittee shall not operate spray booths unless all exhaust air passes through appropriate filter media having a particulate capture efficiency of at least 99 percent of the overspray (EUs: D001 through D007, D018, D022, and D028). *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (04/20/16)]*

b. The permittee shall not operate spray booth EU: D009 unless all exhaust air passes through appropriate filter media having a particulate capture efficiency of at least 95 percent. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

c. The permittee shall not operate spray booth EU: D033 unless all exhaust air passes through appropriate filter media having a particulate capture efficiency of at least 98 percent. *[114 Title V OP (04/30/20)]*

d. The permittee shall not operate spray booths EUs: D034 and D035 unless all exhaust air passes through appropriate filter media having a particulate capture efficiency of at least 98.6 percent. *[114 Title V OP (04/30/20)]*

e. The permittee must cover all openings in dry filter media in all of the spray booths (EUs: D001 through D007, D009, D018, D022, D028, and D033 through D035). *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

f. All painting must be performed in the spray paint booth using an HVLP gun having at least 65 percent transfer efficiency. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

g. The spray booths equipped with a VOC control device (EUs: D001, D003, D004, and D018) shall maintain at least a 90 percent control efficiency. The VOC control device shall be in operation at all times the surface coating is occurring. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

h. Open containers shall not be used for storage or disposal of solvent-containing cloth or paper (excluding masking tape) used for surface preparation and cleanup. *[AQR 12.5.2.6]*

i. Pursuant to AQR Sections 40 and 43, no person shall cause, suffer or allow the discharge from any source whatsoever such quantities of air contaminants or other material which cause a nuisance, such as over spray or excessive odors from the spray painting operation or associated operations. *[AQR 40.1] (Not Federally Enforceable)*

j. Filters must cover all openings leading to the fan. All filters or other control equipment shall follow manufacturer's O&M manual for use and operation. Dry filters must be changed at sufficient intervals to prevent a decrease in their effectiveness, and to prevent them from clogging. *[AQR 12.5.2.6] (Not Federally Enforceable)*

k. The permittee shall follow the manufacturer's O&M manual for use and operation of filtration systems. Filters should be replaced when the pressure drop exceeds 0.25 inches (6.35 millimeters) of water unless the manufacturer's O&M manual indicates a different pressure drop value. *[AQR 12.5.2.6]*

l. Surface coating application equipment shall be cleaned in an enclosed container to minimize VOC volatilization into the ambient air. *[AQR 12.5.2.6] (Not Federally Enforceable)*

m. All solvent containers shall remain securely closed, except during product transfer. Containers shall be inspected regularly for leakage, and the contents of any leaking container shall be immediately transferred to an appropriately labeled container that has been specifically designed for storage of the compound. *[AQR 12.5.2.6] (Not Federally Enforceable)*

n. The spray booth and all ancillary equipment shall be inspected for leaks, malfunctions, proper operation of gauges, and pressure drops each day the booth is operated. A log must be kept of such inspections as well as any corrective actions taken to repair the equipment regarding leaks, malfunctions, operations of gauges, pressure drops, or other parameter that may result in excess emissions. *[AQR 12.5.2.6]*

C. Monitoring

1. The permittee shall employ a manometer (or equivalent) to monitor the drop across the spray booth exhaust filters and prevent a decrease in their effectiveness from clogging. *[AQR 12.5.2.6(d)]*

2. The permittee shall inspect the spray booth and all ancillary equipment for filter bypass, malfunctions, and proper operation of gauges, pressure drops, etc., for each day the booth is operated. *[AQR 12.5.2.6(d)]*

D. Testing

1. No performance testing requirements have been identified for any emission units in this section at this time.

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum: *[AQR 12.5.2.6(d)]*

   a. monthly, consecutive 12-month total consumption (in gallons) of each VOC-containing compound (paints, basecoats, primers, reducers, thinners, solvents) used in each booth.

2. The permittee shall maintain records on-site that include, at a minimum: *[AQR 12.5.2.6(d)]*

   a. MSDS or records demonstrating the VOC and HAP content for each compound; and

   b. logbook (as specified in Condition IX.B.3.n) of spray paint booth inspections, maintenance, and repair.

3. The permittee shall comply with the recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. In accordance with Section II of this permit, the permittee shall submit: *[AQR 12.5.2.8]*
   a. A table containing a list of all compounds recorded pursuant to Condition IX.E.1, the total consecutive 12-month usage of the compound, the VOC content of the compounds and the HAP content of the compound.
   b. A list of all inspections, performed pursuant to Condition IX.B.3.n, that found faults and the actions taken to correct those faults.

X. COOLING TOWERS

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table X-A-1. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP Significant Revision (10/28/13); 114 Title V OP (09/18/15), (04/20/16), and (04/30/20); Application for Part 70 OP Revision (05/27/21); and AQR 12.5.2.3]*

Table X-A-1: List of Emission Units

EU	Building	Make	Model No.	Serial No.
C001	11	Evapco	USS1956	W037346
C024	119	Evapco	AT-212-69	15762603
C002	200	BAC	PT2-0709A3L1	U190133601-02-01
C003	200	BAC	PT2-0709A3L1	U190133601-01-01
C021	340	BAC	XES3E-1020-06L-01	U136598901-01
C005	554	Evapco	USS19114	13522085
C009a	625	Evapco	USSUAT1966	11462927
C018	625	Evapco	AT 19-66	9373392
C011	704	Evapco	USS-14-89	16-799753
C013a	791	Reymsa	HRFG 714275	H46M3M1142A12431255
C027	878	AAON	LL-060-8-8-DB0E-000	201301-BAAE00029
C014	1301	Marley	NC8304E-1SS	231320-A1
C015	1301	Marley	NC8304E-1SS	231320-B1
C016	1301	Marley	NC8304E-1SS	231320-C1
C017	1301	Marley	NC8307SG-08	834273-A1
C019	1705	Evapco	AT 29-324	10399579
C028	1706	AAON	LL-090-3-0-MCOV-000	201301-BAAH00031
C012a	61697	Evapco	USS-14-84	16-799754
C020	61697	Evapco	ICT 4-74	16-799756

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1]*

b. The permittee shall not allow the actual emissions from the cooling tower operations to exceed the PTE listed in Table X-B-1, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), and (04/30/20); and AQR 12.5.2.3]*

Table X-B-1: PTE for Cooling Towers (tons per year)

EU	Capacity (gpm)	Percent Drift	TDS (ppm)	$PM_{2.5}$ (tons/yr)	PM_{10} (tons/yr)
C001	325	0.001	4,800	0.02	0.02
C024	480	0.001	6,400	0.03	0.03
C002	620	0.001	4,800	0.03	0.03
C003	620	0.001	4,800	0.03	0.03
C021	1155	0.001	4,800	0.29	0.29
C005	700	0.001	4,800	0.17	0.17
C009a	396	0.001	4,800	0.02	0.02
C018	386	0.001	4,800	0.02	0.02
C011	339	0.005	4,800	0.02	0.02
C013a	937	0.005	4,800	0.23	0.23
C027	200	0.001	6,400	0.01	0.01
C014	1200	0.005	6,400	0.40	0.40
C015	1200	0.005	6,400	0.40	0.40
C016	1200	0.005	6,400	0.40	0.40
C017	1654	0.005	6,400	0.55	0.55
C019	2205	0.001	4,800	0.11	0.11
C028	280	0.001	6,400	0.02	0.02
C012a	145	0.005	4,800	0.01	0.01
C020	175	0.001	4,800	0.01	0.01

2. Production Limits

a. The permittee shall limit the circulation rate (gallons per minute) and total dissolved solids (ppm) to those listed for each unit in Table X-B-1. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/20/16), and (04/30/20); and AQR 12.5.2.3]*

3. Emission Controls

a. The permittee shall limit the drift rate (percent drift) to those listed in Table X-B-1. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/20/16), (10/19/17), and (04/30/20); and AQR 12.5.2.3]*

b. The permittee shall operate and maintain all cooling towers in accordance with the manufacturer's O&M manual for emissions-related components. No chromium-containing compounds shall be used for water treatment. *[40 CFR 63.402]*

C. Monitoring

1. The permittee shall conduct monthly TDS sampling of the cooling tower water using a TDS or conductivity meter to demonstrate compliance with the PTE of each cooling tower. *[AQR 12.5.2.6(d)]*
2. The Control Officer may require testing to demonstrate compliance with emission limitations outlined in this permit. *[AQR 12.5.2.6(d)]*

D. Testing

1. No performance testing requirements have been identified for any emission units in this section at this time.

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum *[AQR 12.5.2.6(d)]*:
   a. monthly, consecutive 12-months total hours of operation for each cooling tower.
2. The permittee shall maintain records on-site that include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. monthly TDS content of cooling tower circulation water; and
   b. emission limit exceedences, upsets, emergencies, malfunctions, and breakdowns; the times, durations and probable causes of such incidences; and the corrective and/or preventative actions taken to restore and maintain compliance.
3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. The permittee shall submit items stipulated by Condition X.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

XI. WOODWORKING

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table XI-A-1. *[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); and 114 Title V OP (09/18/15) and (06/15/21)]*

Table XI-A-1: List of Emission Units

EU	Building	Number of Sanders	Number of Other Equipment	Control Device	Control Efficiency (percent)
E004	610	2	4	Portable Vacuum Units	99 percent
E001	807	2	14	Cyclone\Fabric Filter	99 percent
E002	811	0	5	Cyclone\Fabric Filter	99 percent
E003	10118	5	5	Cyclone\Fabric Filter and Portable Vacuum Units	99 percent

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1]*

b. The permittee shall not allow the actual emissions from the woodworking operation to exceed the PTE listed below in Table XI-B-1, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13) and (09/18/15); and AQR 12.5.2.3]*

Table XI-B-1: PM_{10} PTE for Woodworking Shops

EU	Number of Sanders	Number of Other Equipment	Control Device	Control Efficiency (percent)	PM_{10} (tpy)	$PM_{2.5}$ (tpy)
E004	2	4	Portable Vacuum Units	99 percent	0.39	0.39
E001	2	14	Cyclone\Fabric Filter	99 Percent	0.83	0.83
E002	0	5	Cyclone\Fabric Filter	99 percent	0.22	0.22
E003	5	5	Cyclone\Fabric Filter and Portable Vacuum Units	99 percent	0.39	0.39

2. Production Limits

a. The permit shall limit the number of sanders and other equipment used for woodworking to the numbers listed in table XI-B-1. *[AQR 12.5.2.6(a)]*

3. Emission Controls

a. The permittee shall maintain and operate all control devices used to control particulate emissions from all woodworking activities in all of the woodworking shops (EUs: E001 through E004) per manufacturers' O&M manual to maintain at least 99 percent control efficiency. *[114 Title V OP (04/30/20)]*

b. A preventative maintenance schedule that is consistent with the cyclone and/or fabric filter manufacturer's O&M manual for routine and long-term maintenance shall be developed and followed. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

c. The permittee shall have a standard operating procedures (SOP) manual for cyclones and fabric filters. The procedures specified in the manual for maintenance shall, at a minimum, include a preventative maintenance schedule that is consistent with the cyclone or fabric filter manufacturer's O&M manual for routine and long-term maintenance. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

C. Monitoring

1. The permittee shall monitor the number of sanders and other equipment used for woodworking operations. *[AQR 12.5.2.6(d)]*

2. The responsible official shall sign and adhere to the *Visible Emissions Check Guidebook* and keep a copy of the signed guide on-site at all times. *[AQR 12.5.2.6(d)]*

3. The permittee shall conduct a monthly visual emissions check for visible emissions from the vents and exhaust stacks for the woodworking shops while they are in operation. If the units are not operating frequently enough for monthly observations, then observations shall be conducted while the units are operating. *[AQR 12.5.2.6(d)]*

4. If no plume appears to exceed the opacity standard during the visible emissions check, the date, location, and results shall be recorded, along with the viewer's name. *[AQR 12.5.2.6(d)]*

5. If a plume appears to exceed the opacity standard, the permittee shall do one of the following: *[AQR 12.5.2.6(d)]*

    a. Immediately correct the perceived exceedance, then record the first and last name of the person who performed the emissions check, the date the check was performed, the unit(s) observed, and the results of the observation; or

    b. Call a certified VEE reader to perform an EPA Method 9 evaluation.

        i. For sources required to have a certified reader on-site, the reader shall start Method 9 observations within 15 minutes of the initial observation. For all other sources, the reader shall start Method 9 observations within 30 minutes of the initial observation.

        ii. If no opacity exceedance is observed, the certified VEE reader shall record the first and last name of the person who performed the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each emission unit that was initially perceived to have exceeded the opacity limit, and the record shall also indicate:

            (1) The cause of the perceived exceedance;

            (2) The color of the emissions; and

            (3) Whether the emissions were light or heavy.

        iii. If an opacity exceedance is observed, the certified VEE reader shall take immediate action to correct the exceedance. The reader shall then record the first and last name of the person performing the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each reading identified, and the record shall also indicate:

(1) The cause of the exceedance;

(2) The color of the emissions;

(3) Whether the emissions were light or heavy;

(4) The duration of the emissions; and

(5) The corrective actions taken to resolve the exceedance.

6. Any scenario of visible emissions noncompliance can and may lead to enforcement action. *[AQR 12.5.2.6(d)]*

7. Visible emissions checks do not require a certified observer unless the visible emissions appear to exceed the allowable opacity limit and to last more than 30 seconds, but an EPA Method 9 observation establishes that the emissions do not in fact exceed the standard. *[AQR 12.5.2.6(d)]*

8. Monthly visual inspection shall be made of the particulate control devices for air leaks. Defective cyclone and fabric filter compartments shall be sealed off and work orders for repairs shall be submitted within 72 hours of discovery of the malfunction, and all repairs shall be made in a timely manner. Should the malfunction cause the cyclone and/or fabric filter to be ineffective in controlling particulate emissions, the processing of material shall cease until such repairs to the cyclone and/or fabric filter are completed. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and AQR 12.5.2.6(d)]*

9. The Control Officer may require testing to demonstrate compliance with emission limitations outlined in this permit. *[AQR 12.5.2.6(d)]*

D. Testing

1. No performance testing requirements have been identified for any emission units in this section at this time.

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum *[AQR 12.5.2.6(d)]*:

   a. no monitored data is required to be reported.

2. The permittee shall maintain records on-site that include, at a minimum *[AQR 12.5.2.6(d)]*:

   a. emission limit exceedances, upsets, emergencies, malfunctions, and breakdowns; the times, durations and probable causes of such incidences; and the corrective and/or preventative actions taken to restore and maintain compliance;

   b. log of the number of sanders and other equipment used for woodworking operations; and

   c. log of control device inspections, maintenance and repair.

3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. The permittee shall submit items stipulated by Condition XI.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

XII. DEGREASERS

A. Emission Units

1. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table XII-A-1. *[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (09/18/15), (04/20/16), (01/03/17), (07/01/17), (10/19/17), (04/30/20), and (06/15/21); and Application for Part 70 OP Revision (05/27/21)]*

Table XII-A-1: List of Emission Units

EU	Building	Make	Model	Serial Number	Capacity (gal)	Type of Cleaner
M004	180	Clarus	PCS-25	001941	25	Parts (Solvent)
M068	199	Safety-Kleen	250	0110500SK16036648	20	
M003	270	Clarus	PCS-25	G0169	27.5	
M052	270	Graymills	A-42618-A	285584-06	75	
M002	442	Clarus	PCS-25		27.5	
M071	442	Better Engineering	F-5000-P	23149	200	
M026	442	Clarus	PCS-25	2811	27.5	
M062	474	Safety-Kleen	250	00110500S008035248	27	
M017	807	Clarus	PCS-25	001925	27.5	
M037	831	ChemFree	28-1	2101482	25	
M030	858	Bauer Inc.	1039003-P1	40792	150	
M011	858	Clarus	PCS-15	6850002745421	27.5	
M013	858				7	
M014	858				7	
M047	858				7	
M023	10132	Clarus	PCS-25	001894	28	
M022	10148	Clarus	PCS-25	001542	27.5	
M050	10202	Clarus	PCS-25	002219	27.5	
M059	10278	Snap-On	PBC16	DB033119		
M018	10278	Clarus	PCS-25	001922	27.5	
M060	10304	Chemfree Corporation/ SmartWasher	28-1	2104701	25	
M061	10304	Chemfree Corporation/ SmartWasher	28-1	2104700	25	

EU	Building	Make	Model	Serial Number	Capacity (gal)	Type of Cleaner
M038	10569	ChemFree Corporations/ SmartWasher	28-1	2101511	25	
M069	61685	Chemfree/ SmartWasher	SW-23	A029963	25	

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1]*

b. The permittee shall not discharge from any source whatsoever quantities of air contaminants or other material which cause a nuisance. *[AQR 40.1]*

c. The permittee shall not allow the actual emissions from each degreasing operation to exceed the PTE listed below in Table XII-B-1, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (10/28/13), (09/18/15), (04/20/16), (01/03/17), (07/01/17), (10/19/17), and (06/15/21); and AQR 12.5.2.3]*

Table XII-B-1: PTE for Degreasing Activities

EU	Hours/ Year	Area (ft^2)	EF ($lb/hour/ft^2$)	VOC (tons/year)	HAP (tons/year)
M004	208	8.1	0.08	0.07	0
M068	208	6.0	0.08	0.05	0
M003	208	8.1	0.08	0.07	0
M052	208	8.1	0.08	0.07	0
M002	208	8.1	0.08	0.07	0
M071	3,600	13.7	0.08	1.97	0
M026	208	8.1	0.08	0.07	0
M062	208	5.8	0.08	0.05	0
M017	208	8.1	0.08	0.07	0
M037	208	8.1	0.08	0.07	0
M030	208	8.1	0.08	0.07	0
M011	208	6.9	0.08	0.06	0
M013	208	1.7	0.08	0.01	0
M014	208	1.7	0.08	0.01	0
M047	208	1.7	0.08	0.01	0
M023	208	8.1	0.08	0.07	0
M022	208	8.1	0.08	0.07	0
M050	208	8.1	0.08	0.07	0
M059	208	8.1	0.08	0.07	0
M018	208	8.1	0.08	0.07	0
M060	208	8.1	0.08	0.07	0
M061	208	8.1	0.08	0.07	0
M038	208	8.1	0.08	0.07	0
M069	208	8.1	0.08	0.07	0

2. Production Limits

a. The permittee shall limit each part cleaner (EUs: M002 through M004, M011, M013, M014, M017, M018, M022, M023, M026, M030, M037, M038, M047, M050, M052, M059 through M062, and M068 through M071) to the hours of operations as outlined in Table XII-B-1 in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); and 114 Title V OP (10/28/13), (09/18/15), (01/03/17), (07/01/17), (10/19/17), (04/30/20), and (06/15/21)]*

3. Emission Controls

a. The permittee shall implement good operating practices to reduce VOC emissions by ensuring that all lids to degreasing units remain closed except when the unit is in use. *[NSR ATC/OP 114, Modification 46, Revision 1]*

C. Monitoring

1. The permittee shall post signs at all degreasing areas that state that all lids to degreasing units must remain closed except when the unit is in use. It is the responsibility of the permittee to ensure that all personnel follow this procedure. Should any inspection by DAQ indicate that lids are not being properly closed when units are not in use, enforcement action may occur. *[AQR 12.5.2.6(d)]*

D. Testing

1. No performance testing requirements have been identified for any emission units in this section at this time.

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. monthly, consecutive 12-month total hours of operation of each part cleaner (EUs: M002 through M004, M011, M013, M014, M017, M018, M022, M023, M026, M030, M037, M038, M047, M050, M052, M059 through M062, and M068 through M071).
2. The permittee shall maintain records on-site that include, at a minimum: *[AQR 12.5.2.6(d)]*
   a. date and hours, and/or minutes, that each part cleaner (EUs: M002 through M004, M011, M013, M014, M017, M018, M022, M023, M026, M030, M037, M038, M047, M050, M052, M059 through M062, and M068 through M071) is in use.
3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. The permittee shall submit items stipulated by Condition XII.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

XIII. MISCELLANEOUS CHEMICALS

A. Emitting Activities

1. The stationary source covered by this Part 70 OP includes the activity summarized in Table XIII-A-1. *[AQR 12.5.2.3 and NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

Table XIV-A-1: Summary of Emission Activities

EU	Description
O01	Source-wide Miscellaneous Chemical Usage

B. Emission Limitations and Standards

1. Emission Limits

a. The permittee shall not allow the actual emissions from miscellaneous chemical usage to exceed the PTE listed below in Table XIII-B-1, in any consecutive 12-months. *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and AQR 12.5.2.3]*

Table XIII-B-1: PTE for Miscellaneous Chemical Usage

EU	VOC	HAP
	tons per year	tons per year
O01	**19.14**	**2.82**

2. Production Limits

a. The permittee shall calculate the annual VOC emissions for miscellaneous chemical usage by using the following formula: Consumption * Density * VOC Content / 100, where:

   i. Consumption is the annual amount (in gallons) of each product used;

   ii. Density is the lb/gallon of each product used; and

   iii. VOC Content is the weight percent of VOC in each product used. *[114 Title V OP (06/15/21)]*

b. The permittee shall calculate the annual HAP emissions for miscellaneous chemical usage by using the following formula: Consumption * Density * HAP Content / 100, where:

   i. Consumption is the annual amount (in gallons) of each product used;

   ii. Density is the lb/gallon of each product used; and

   iii. HAP Content is the weight percent of HAP in each product used. *[114 Title V OP (06/15/21)]*

3. Emission Controls

a. The permittee shall implement the following guidelines to reduce VOC emissions from miscellaneous chemical usage: *[NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)]*

   i. minimize chemical usage, where possible;

   ii. substitute low vapor pressure cleaners, where possible; and

   iii. substitute low VOC alternatives, where possible.

C. Monitoring

1. The permittee shall monitor the amount of VOC- and HAP-containing chemicals consumed. *[AQR 12.5.2.6(d)]*

D. Testing

1. No performance testing requirements have been identified for any emission units in this section at this time.

E. Recordkeeping

1. The permittee shall maintain records on-site that require semiannual reporting and include, at a minimum *[AQR 12.5.2.6(d)]*:
    a. Monthly, consecutive 12-month total amount of each VOC- and HAP-containing chemical consumed;
2. The permittee shall maintain records on-site that include, at a minimum *[AQR 12.5.2.6(d)]*:
    a. Density of each VOC- and HAP-containing chemical consumed;
    b. VOC and HAP content of each VOC- and HAP-containing chemical consumed; and
    c. Information related to practices outlined in Condition XIII.B.2.a.
3. The permittee shall comply with the general recordkeeping requirements in Section II of this permit. *[AQR 12.5.2.6(d)]*

F. Reporting

1. The permittee shall submit items stipulated by Condition XIII.E.1 in accordance with the reports and reporting requirements in Section II of this permit. *[AQR 12.5.2.8]*

XIV. NONROAD ENGINES

Pursuant to Title 40, Part 1068.30 of the Code of Federal Regulations (40 CFR Part 1068.30), nonroad engines that are portable or transportable (i.e., not used on self-propelled equipment) shall not remain at a location for more than 12 consecutive months; otherwise, the engine(s) will constitute a stationary reciprocating internal combustion engine (RICE) and be subject to the applicable requirements of 40 CFR Part 63, Subpart ZZZZ; 40 CFR Part 60, Subpart IIII; and/or 40 CFR Part 60, Subpart JJJJ. Stationary RICE shall be permitted as emission units upon commencing operation at this stationary source. Records of location changes for portable or transportable nonroad engines shall be maintained, and shall be made available to the Control Officer upon request. These records are not required for engines owned and operated by a contractor for maintenance and construction activities as long as records are maintained demonstrating that such work took place at the stationary source for periods of less than 12 consecutive months.

Nonroad engines used on self-propelled equipment do not have this 12-month limitation or the associated recordkeeping requirements.

XV. MITIGATION

1. Mitigation is not required by this permitting action.

XVI. ON-SITE AMBIENT MONITORING

1. On-site ambient monitoring is not required by this permitting action.

XVII. ATTACHMENTS

Attachment 1:

Table 2 to Subpart CCCCCC of Part 63

Applicability Criteria and Management Practices for Gasoline Cargo Tanks Unloading at Gasoline Dispensing Facilities With Monthly Throughput of 100,000 Gallons of Gasoline or More

If you own or operate	Then you must
A gasoline cargo tank	Not unload gasoline into a storage tank at a GDF subject to the control requirements in this subpart unless the following conditions are met:
	(i) All hoses in the vapor balance system are properly connected,
	(ii) The adapters or couplers that attach to the vapor line on the storage tank have closures that seal upon disconnect,
	(iii) All vapor return hoses, couplers, and adapters used in the gasoline delivery are vapor-tight,
	(iv) All tank truck vapor return equipment is compatible in size and forms a vapor-tight connection with the vapor balance equipment on the GDF storage tank, and
	(v) All hatches on the tank truck are closed and securely fastened.
	(vi) The filling of storage tanks at GDF shall be limited to unloading by vapor-tight gasoline cargo tanks. Documentation that the cargo tank has met the specifications of EPA Method 27 shall be carried on the cargo tank.

Attachment 2:

List of Insignificant Fuel Storage Tanks

Building Number	Unit Type	Make	Model	Serial Number	Capacity (Gallons)	Fuel Type
2	AST fo EU G001	Containment Solutions	LDP250P	732732	250	Diesel
47	Belly Tank for EU G003	Onan	159-1464	ODT-29786	145	Diesel
119	Belly Tank for EU G139				455	Diesel
180	AST	Containment Solutions	LDP250P	M732749	250	Diesel
180	AST	Containment Solutions	LDP250P	M732748	250	Diesel
194	AST	Paramount	306AL	17413	1,000	Diesel

199	AST for EU G004	Containment Solutions	LP250P	N-600205	250	Diesel
202	Belly Tank for EU G009	Chillicothe metal Company	N685106	03-15320	4,000	Diesel
214	Belly Tank for EU G090	United Alloy Inc	CPGA034Y209	D-711597	415	Diesel
217	Belly Tank for EU G010	Global Power Components	B21-800	9802-003	800	Diesel
256	AST for EU G121	Containment Solutions	LDP250P	732742	250	Diesel
276	AST for EU G014	Kohlhass Corporation			2,500	Diesel
277	AST for EU G091	Containment Solutions	LDP250P	600204	250	Diesel
277	AST	Containment Solutions	LDP250P	732747	250	Diesel
278	AST for EU G092	Containment Solutions	LDP250P	732731	250	Diesel
282	Belly Tank for EU G085	United Alloy Inc	CPGA029X194	D-649,415	110	Diesel
283	AST for EU G081	Containment Solutions	LDP250P	732741	250	Diesel
328	Belly Tank for EU G130	United Alloy Inc	CPGA035E768	D-858907	335	Diesel
423	Belly Tank for EU G131	Tramonte Manufacturing LLC	A030U020	43192	850	Diesel
625	AST for EU G064	Containment Solutions		51325	500	Diesel
696	Belly Tank for EU G095	United Power Products	CPG 0159-1464	637440	145	Diesel
801	Belly Tank for EU G140	Onan	159-1412	ODT-30388	79	Diesel
805	AST for EU G122	Containment Solutions	LDP250P	732740	250	Diesel
807	AST for EU G022a	Containment Solutions	LDP250P	732750	250	Diesel
807	AST	Containment Solutions	LP1000	927129	1000	Diesel
812	AST for EU G024	Containment Solutions	LDP250P	732745	250	Diesel
814	AST for EU G025	Containment Solutions	LDP250P	732735	250	Diesel
822	AST for EU G077	Containment Solutions	LDP250P	732733	250	Diesel
843	AST for EU G103	Freeman Enclosures	UTBD-843	S-44012	250	Diesel
843	Belly Tank for EU G086	United Alloy Inc	CPGA029X194	D-649,408	110	Diesel
843	Belly Tank for EU G087	United Alloy Inc	CPGA029X194	D-649,404	110	Diesel
843	Storage Tank	Containment Solutions	LDP500P	900470	500	Diesel/ Used Oil
856	AST for EU G028	Containment Solutions	LDP250P	732743	250	Diesel
856	AST	Containment Solutions	LP.2.000.01	193394	2,000	Diesel
875	AST	Containment Solutions	80293	663066	120	Diesel

878	Belly Tank for EU G084	United Alloy Inc	CPGA029X194	D649417	110	Diesel
890	AST for EU G029	Containment Solutions	LP500P	927103	500	Diesel
890	UST				25,000	Diesel
893	AST	Joor Manufacturing			20,000	Diesel
895	AST	Joor Manufacturing			20,000	Diesel
907	AST for EU G142	Containment Solutions	LDPV4AA101 MVS001	389295	1,000	Diesel
1050	AST for EU G069	Containment Solutions	LP3000	927143	3,000	Diesel
1054	AST	Containment Solutions	LP500P	600346	500	Diesel
1058	Belly Tank for EU G124	Onan		ODT-30390	79	Diesel
1114	Belly Tank for EU G102	United Alloy Inc	CPGA029X194	D-64922	110	Diesel
1300	Belly Tank for New Hospital Gen 1	United Alloy Inc	CAT 509-9457	C-96914579	162	Diesel
1300	Belly Tank for New Hospital Gen 2	Western-Global	20TCG	A61281780	528	Diesel
1301	Belly Tank for EU G032				300	Diesel
1301	Belly Tank for EU G033				300	Diesel
1301	UST			UTBD-3	15,000	Diesel
1301	UST			UTBD-2	15,000	Diesel
1590	AST	Brown-Minneapolis Tank			500	Diesel
1602	Belly Tank for EU G034	Onan	159-1463	ODT-12063	100	Diesel
1602	AST for EU G034	Containment Solutions	LDP250P	732744	250	Diesel
1606	AST for EU G035a	Containment Solutions	LP500P	927073	500	Diesel
1705	Belly Tank for EU G132	United Power Products	A029D438	D-459818	308	Diesel
1722	Belly Tank for EU G125	Onan	159-1412	ODT-15373	79	Diesel
1724	Belly Tank for EU G120	Onan	159-1412	ODT-30462	79	Diesel
1730	Belly Tank for EU G097	Caterpillar	P859782	U-211881	193	Diesel
1740	Belly Tank for EU G080	United Power Products	0159-1757	665157	308	Diesel
1998	AST for EU G036	Containment Solutions	LP250P	600203	250	Diesel
2064	AST for EU G067	Containment Solutions	LP1000	92127	1,000	Diesel
2270	Belly Tank for EU G127	Onan		B-877697	79	Diesel
2336 (Revetments)	Belly Tank w/ G163	United Alloy Inc	CAT 463-2726	B-527959981	693	Diesel
2340	Belly Tank for EU G040	Onan	159-1463	ODT-18031	100	Diesel

2340	AST for EU G040	Containment Solutions	LDP500P	732819	500	Diesel
2345	AST for EU G137	Containment Solutions	LDPV4AA101 MVS542	389300	1,000	Diesel
2345	AST for EU G068	Steel Tank Institute	Flameshield	FS016623	2000	Diesel
2353	Belly Tank for EU G128				110	Diesel
2354	Belly Tank for EU G129	Victory Industrial Products			150	Diesel
2961	AST	Steel Tank Institute	Fire Guard	43507	300	Diesel
10005	Belly Tan kfor EU G135	Onan	159-1412	ODT-29284	79	Diesel
10113	AST for EU G073	Stanwade Metal Products Inc	P887427	FS 016625	200	Diesel
10215	AST for EU G136	Freeman Enclosure Systems	13720113	S784033	350	Diesel
10215	AST	CAT	392-8555	C-54024765	247	Diesel
10307	AST for EU G041	Convault			10,000	Diesel
10460	AST for EU G149	Arrow Tank Works			100	Diesel
10512 (10511-1)	AST	Isom Brothers, Inc.	RIVS 1230 2	L-825.016	6,000	Diesel
61663	AST for EU G046	Containment Solutions	LDP1000P	732642	1,000	Diesel
61664	AST for EU G0047	Containment Solutions	LDP500P	900720	500	Diesel
61672	AST for EU G048	Containment Solutions	LP250P	600202	250	Diesel
61672	AST for EU G049	Containment Solutions	LP250P	600206	250	Diesel
61683	AST for EU G157	We-Mac Manufacturing			119	Diesel
61697	AST for EU G050	Convault	RN80003SF	N925816	8000	Diesel
61697	AST for EU G099	Generac	21075	111947	194	Diesel
61697	AST	Containment Solutions		663067	120	Diesel
62120	Belly Tank for EU G051		242-8291	58806	250	Diesel
10706-1	Belly Tank for EU G141	United Power Products	CPG-2000	16050	2000	Diesel
Aggregate Plant	AST	Containment Solutions	LDP500P	927121	500	Diesel
Concrete Plant	Belly Tank for A053	CAT		79608	660	Diesel
Mineral Processing	Belly Tank for EU A076				500	Diesel

Insignificant Fuel Loading Racks

EU	Building	Description	Make	Model	Serial Number	Capacity (gal)	Number of Racks	Fuel
J007	941/ 1050	Eight (8) Loading Racks				180,000,000	50	Jet Fuel
Former J009	893/895	Loading Rack				7,300,000	1	Diesel/ Biodiesel
Former J010	893	Loading Rack				500,000	2	Diesel

Insignificant Fuel Dispensing

EU	Building	Description	Make	Model	Serial Number	Capacity (gal)	Fuel
Former J016	235	Fuel Dispensing	Bennett	C27S-GECATPNN-USA	12E632746	416,000	Jet Fuel
Former J017	267	Fuel Dispensing				520,000	Jet Fuel
	2195	Fuel Dispensing					Jet Fuel
	807	Fuel Dispensing				1 rack	Diesel/ Biodiesel
Former J021	856	Fuel Dispensing	Gasboy	Atlas		109,200	Diesel/ Biodiesel
Former J018	890	Fuel Dispensing				712,329	Diesel/ Biodiesel
Former J019	1590	Fuel Dispensing				182,500	Diesel/ Biodiesel
Former J022	10511	Fuel Dispensing				312,000	Diesel/ Biodiesel

Insignificant Degreasers[1]

Bldg	Make	Model	Serial Number	Capacity (gal)
270	Stingray	SR3032	8591	130
831	AaLadin	2085ESS	84115	85
861	Sharpertek	SH-Series 18G	010118-0076	
858	Bio-Circle L	600C	600C 513 071	100
61664	CUDA (Aqueous Degreaser)	H20-2848	10434220100478	
61664	Chemfree/SmartWasher (Aqueous Degreaser)	SW-23	A028110	

[1]Units are insignificant as the only solvents used contain no VOC or HAP content per the Material Safety Sheet.

Insignificant Surface Coating[1]

Bldg	Make	Model	Serial Number	Capacity (gal)
Various Locations	Preval sprayer (touch-up painting)			
Various Location	Aerosol painting of vehicle parts			

[1]The emissions from these activities will be tracked using EESOH-MIS and the emissions will be reported as part of the miscellaneous chemical source category in this permit.

List of Insignificant Media Blasting Units

Building	Description	Make	Model No.	Serial No.
252	Media Blasting	Empire	4652	203587
255	Media Blasting	Pauli	RAM11	011176
252	Media Blasting	Cyclone	3624	8120
256	Media Blasting	Clemco	BNP DBL 220P 900 CDC 230 V	Z58289
423	Media Blasting	Cyclone	4826	7705
442	Media Blasting	MaxiBlast	Deluxe-1	96X48SL
474	Media Blasting	Snap-on	YA437	
807	Media Blasting	ALC Abrasive Blasting	40400	
858	Media Blasting	Trinco	40X40SL/PC	66752-8
10119	Media Blasting	Snap-on	YA-437	041HMAT2002273
10144	20’ X 30’ Media Blasting	Paul Griffen	PRAM 101020	0092
10305	Media Blasting	ECO Blast	50-2	50-725-4410