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:
Colonel Todd R. Dyer
Commander, 99th Air Base Wing
PHONE: (702) 652-9900          FAX: (702) 652-7909
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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 NOX, 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:

<table>
<thead>
<tr>
<th>Source PTE (tons per year)</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
<th>NOX</th>
<th>CO</th>
<th>SO$_2$</th>
<th>VOC</th>
<th>HAP</th>
<th>GHG$^1$</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>46.50</td>
<td>19.81</td>
<td>188.87</td>
<td>64.10</td>
<td>3.95</td>
<td>81.97</td>
<td>20.18</td>
<td>33,952.41</td>
</tr>
</tbody>
</table>

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
NOx  nitrogen oxides
NRS  Nevada Revised Statutes
NSR  New Source Review
O&M  operations and maintenance
OP  Operating Permit
PM10  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
SO2  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

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

As required

No less than 45 days, but no more than 90 days, before the anticipated test date.\(^1\)

<table>
<thead>
<tr>
<th>Required Report</th>
<th>Applicable Period</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance Testing Protocol</td>
<td>As required</td>
<td>No less than 45 days, but no more than 90 days, before the anticipated test date.(^1)</td>
</tr>
<tr>
<td>Performance Testing Report</td>
<td>As required</td>
<td>Within 60 days of end of test.(^1)</td>
</tr>
</tbody>
</table>

\(^1\)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.

### 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 I (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

<table>
<thead>
<tr>
<th>Emission Unit Number</th>
<th>Building</th>
<th>Make</th>
<th>Model</th>
<th>Serial Number</th>
<th>Capacity</th>
<th>Units</th>
<th>Fuel Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>J026-J034</td>
<td>890</td>
<td>Gilbarco</td>
<td>Atlas</td>
<td></td>
<td>9</td>
<td>dispensors</td>
<td>Gasoline</td>
</tr>
<tr>
<td>J038</td>
<td>890</td>
<td>Gilbarco</td>
<td>Gasboy</td>
<td></td>
<td>1</td>
<td>dispensors</td>
<td>E-85</td>
</tr>
<tr>
<td>J020</td>
<td>1590</td>
<td>Fill-Rite</td>
<td>310 Series</td>
<td>B85680121</td>
<td>1</td>
<td>dispensors</td>
<td>Gasoline</td>
</tr>
<tr>
<td>J023</td>
<td>10511</td>
<td>C22R-GERATPNN-R-USA</td>
<td>11F646344</td>
<td></td>
<td>1</td>
<td>dispensors</td>
<td>Gasoline</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Emission Unit Number</th>
<th>Building</th>
<th>Make</th>
<th>Model</th>
<th>Serial Number</th>
<th>Capacity</th>
<th>Units</th>
<th>Fuel Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>J008</td>
<td>891</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>racks</td>
<td>Gasoline</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Emission Unit Number</th>
<th>Type</th>
<th>Fuel</th>
<th>Annual Throughput Gallons</th>
<th>VOC</th>
<th>HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>J026-J034</td>
<td>Fuel Dispensing</td>
<td>Gasoline</td>
<td>3,000,000</td>
<td>1.42</td>
<td>0.04</td>
</tr>
<tr>
<td>J038</td>
<td>Fuel Dispensing</td>
<td>E-85</td>
<td>500,000</td>
<td>0.49</td>
<td>0.01</td>
</tr>
<tr>
<td>J020</td>
<td>Fuel Dispensing</td>
<td>Gasoline</td>
<td>30,000</td>
<td>0.08</td>
<td>0.01</td>
</tr>
<tr>
<td>J023</td>
<td>Fuel Dispensing</td>
<td>Gasoline</td>
<td>95,999</td>
<td>0.27</td>
<td>0.01</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Emission Unit Number</th>
<th>Type</th>
<th>Fuel</th>
<th>Annual Throughput Gallons</th>
<th>VOC</th>
<th>HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>J008</td>
<td>Fuel Loading Rack</td>
<td>Gasoline</td>
<td>200,000</td>
<td>0.15</td>
<td>0.01</td>
</tr>
</tbody>
</table>
Table III-B-3: Throughput Limitations and PTE for Fuel Storage Tanks (tons per year)

<table>
<thead>
<tr>
<th>Emission Unit Number</th>
<th>Type</th>
<th>Fuel</th>
<th>Annual Throughput Gallons</th>
<th>VOC</th>
<th>HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>J039</td>
<td>AST</td>
<td>E-85</td>
<td>500,000</td>
<td>0.04</td>
<td>0.01</td>
</tr>
<tr>
<td>J004</td>
<td>UST</td>
<td>Gasoline</td>
<td>3,000,000</td>
<td>5.04</td>
<td>0.15</td>
</tr>
<tr>
<td>J001</td>
<td>AST</td>
<td>Gasoline</td>
<td>3,000,000</td>
<td>6.00</td>
<td>0.17</td>
</tr>
<tr>
<td>J042</td>
<td>IFR</td>
<td>Jet Fuel</td>
<td>184,000,000</td>
<td>0.53</td>
<td>0.05</td>
</tr>
<tr>
<td>J043</td>
<td>IFR</td>
<td>Jet Fuel</td>
<td>180,000,000</td>
<td>0.48</td>
<td>0.05</td>
</tr>
<tr>
<td>J044</td>
<td>IFR</td>
<td>Jet Fuel</td>
<td>43,680,000</td>
<td>0.16</td>
<td>0.02</td>
</tr>
<tr>
<td>J045</td>
<td>IFR</td>
<td>Jet Fuel</td>
<td>43,680,000</td>
<td>0.16</td>
<td>0.02</td>
</tr>
<tr>
<td>J002</td>
<td>AST</td>
<td>Gasoline</td>
<td>30,000</td>
<td>0.25</td>
<td>0.01</td>
</tr>
<tr>
<td>J003</td>
<td>AST</td>
<td>Gasoline</td>
<td>95,999</td>
<td>0.51</td>
<td>0.01</td>
</tr>
<tr>
<td>J040</td>
<td>AST - IFR</td>
<td>Jet Fuel</td>
<td>180,000,000</td>
<td>0.48</td>
<td>0.05</td>
</tr>
<tr>
<td>J041</td>
<td>AST - IFR</td>
<td>Jet Fuel</td>
<td>43,680,000</td>
<td>0.16</td>
<td>0.02</td>
</tr>
<tr>
<td>J046</td>
<td>AST - IFR</td>
<td>Jet Fuel</td>
<td>43,680,000</td>
<td>0.16</td>
<td>0.02</td>
</tr>
</tbody>
</table>

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 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: \( Pf = \frac{2e^{-500.887/v}}{v} \)

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

<table>
<thead>
<tr>
<th>EU</th>
<th>Description</th>
<th>CARB Test Procedure</th>
<th>Standard</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>J004</td>
<td>Pressure decay/leak: vapor control system including nozzles and underground tanks</td>
<td>TP-201.3</td>
<td>Initial: 2&quot; wc</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Final: Referenced Value</td>
<td></td>
</tr>
<tr>
<td>J001 and J039</td>
<td>Pressure decay/leak: vapor control system including aboveground tanks</td>
<td>TP-201.3B</td>
<td>Initial: 2&quot; wc</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Final: Referenced Value</td>
<td></td>
</tr>
<tr>
<td>J001, J004, and J039</td>
<td>Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves</td>
<td>TP-201.1E</td>
<td>3.0 ± 0.5 inches H₂O Positive Pressure</td>
<td>Every three years</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8.0 ± 2.0 inches H₂O Negative Pressure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Leakrate at +2.0 inches H₂O ≤ 0.17 CFH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Leakrate at -4.0 inches H₂O ≤ 0.21 CFH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total Additive Leakrate from All P/V Valves ≤ 0.17 CFH at 2.0 inches H₂O</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flow Rate Test</td>
<td>CC_VRTP_1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>EU</th>
<th>Building</th>
<th>Input Rating (MMBtu/hr)</th>
<th>Make</th>
<th>Model No.</th>
<th>Serial No.</th>
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<td>2.392</td>
<td>Fulton</td>
<td>VMP-60</td>
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</table>
### 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)*

<table>
<thead>
<tr>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
<th>NO$_x$</th>
<th>CO</th>
<th>SO$_2$</th>
<th>VOC</th>
<th>HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.95</td>
<td>0.95</td>
<td>11.94</td>
<td>9.65</td>
<td>0.11</td>
<td>0.66</td>
<td>0.28</td>
</tr>
</tbody>
</table>

*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. \[AQR\ 12.5.2.3; \text{NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); \text{114 Title V OP (10/28/13), (09/18/15), (04/20/16), (01/03/17), (07/01/17), (10/19/17), (04/30/20), and (06/15/21); and Applications for Part 70 OP Revision (03/10/21), (05/27/21), and (07/14/21)}\]

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

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<th>Model No.</th>
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Part 70 Operating Permit
Nellis Air Force Base
Source: 114
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^1These units are continuous duty engines. All other non-aircraft arrestor engines are for emergency purposes.

^2These emission units are gasoline powered; all other units are diesel powered.

^3These 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)]
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<td>0.01</td>
<td>0.01</td>
</tr>
<tr>
<td>G117</td>
<td>0.01</td>
<td>0.01</td>
<td>0.08</td>
<td>0.05</td>
<td>0.01</td>
<td>0.11</td>
<td>0.01</td>
</tr>
<tr>
<td>G170</td>
<td>0.01</td>
<td>0.01</td>
<td>0.05</td>
<td>0.02</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
</tr>
<tr>
<td>G171</td>
<td>0.01</td>
<td>0.01</td>
<td>0.05</td>
<td>0.02</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>EU</th>
<th>Building</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N001</td>
<td>61633</td>
<td>Hush House</td>
</tr>
<tr>
<td>N002</td>
<td>61637</td>
<td>Hush House</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Aircraft Engines</th>
<th>Power Setting</th>
<th>TIM (hours)</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
<th>NO$_X$</th>
<th>CO</th>
<th>SO$_2$</th>
<th>THC (VOC)</th>
<th>HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>F100-PW-220</td>
<td>Idle</td>
<td>240</td>
<td>0.17</td>
<td>0.15</td>
<td>1.15</td>
<td>8.83</td>
<td>0.25</td>
<td>1.99</td>
<td>0.32</td>
</tr>
<tr>
<td></td>
<td>Military</td>
<td>120</td>
<td>0.53</td>
<td>0.48</td>
<td>17.19</td>
<td>0.50</td>
<td>0.58</td>
<td>1.21</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>AB-5</td>
<td>20</td>
<td>0.16</td>
<td>0.15</td>
<td>3.42</td>
<td>4.95</td>
<td>0.42</td>
<td>0.67</td>
<td>0.02</td>
</tr>
<tr>
<td>F100-PW-229</td>
<td>Idle</td>
<td>150</td>
<td>0.05</td>
<td>0.05</td>
<td>0.31</td>
<td>0.83</td>
<td>0.08</td>
<td>0.04</td>
<td>0.11</td>
</tr>
<tr>
<td></td>
<td>Military</td>
<td>75</td>
<td>0.39</td>
<td>0.35</td>
<td>12.62</td>
<td>0.14</td>
<td>0.43</td>
<td>0.13</td>
<td>0.01</td>
</tr>
<tr>
<td></td>
<td>AB-1</td>
<td>8</td>
<td>0.03</td>
<td>0.03</td>
<td>1.19</td>
<td>1.79</td>
<td>0.08</td>
<td>0.44</td>
<td>0.00</td>
</tr>
<tr>
<td>F119-PW-100</td>
<td>Idle</td>
<td>100</td>
<td>0.17</td>
<td>0.12</td>
<td>0.21</td>
<td>3.32</td>
<td>0.07</td>
<td>0.11</td>
<td>0.10</td>
</tr>
<tr>
<td></td>
<td>Military</td>
<td>50</td>
<td>0.52</td>
<td>0.45</td>
<td>9.22</td>
<td>0.35</td>
<td>0.47</td>
<td>0.01</td>
<td>0.01</td>
</tr>
<tr>
<td></td>
<td>AB</td>
<td>6</td>
<td>0.13</td>
<td>0.11</td>
<td>1.11</td>
<td>2.42</td>
<td>0.15</td>
<td>0.01</td>
<td>0.01</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Type of Engine</th>
<th>Time in Mode (Hours per year)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Idle</td>
</tr>
<tr>
<td>F100-PW-220</td>
<td>240</td>
</tr>
<tr>
<td>F100-PW-229</td>
<td>150</td>
</tr>
<tr>
<td>F119-PW-100</td>
<td>100</td>
</tr>
</tbody>
</table>

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

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

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

<table>
<thead>
<tr>
<th>EU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K001</td>
<td>Disturbed Areas, 70 acres</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>EU</th>
<th>Area</th>
<th>Disturbed Surface (Acres)</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>K001</td>
<td>Disturbed Areas</td>
<td>70</td>
<td>21.22</td>
<td>3.18</td>
</tr>
</tbody>
</table>

$^1$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
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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 VII.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

<table>
<thead>
<tr>
<th>EU</th>
<th>Description</th>
<th>Make</th>
<th>Model No.</th>
<th>Serial No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A040</td>
<td>Hopper 1</td>
<td>Terex</td>
<td>PAB-420TR</td>
<td></td>
</tr>
<tr>
<td>A041</td>
<td>Hopper 2</td>
<td>Terex</td>
<td>PAB-420TR</td>
<td></td>
</tr>
<tr>
<td>A042</td>
<td>Hopper 3</td>
<td>Terex</td>
<td>PAB-420TR</td>
<td></td>
</tr>
<tr>
<td>A043</td>
<td>Hopper 4</td>
<td>Terex</td>
<td>PAB-420TR</td>
<td></td>
</tr>
<tr>
<td>A044</td>
<td>Gathering Conveyor</td>
<td>Terex</td>
<td>TPC-2447</td>
<td>245</td>
</tr>
<tr>
<td>A045</td>
<td>Screen</td>
<td>Terex</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>A046</td>
<td>Charging Conveyor</td>
<td>Terex</td>
<td>TPC-2447</td>
<td></td>
</tr>
<tr>
<td>A047</td>
<td>Drum Mixer</td>
<td>Terex</td>
<td>E-225P (Baghouse: RA-218PS)</td>
<td>(Baghouse: 131)</td>
</tr>
<tr>
<td>A048</td>
<td>Conveyor - Load Out</td>
<td>Terex</td>
<td>PC-2447</td>
<td></td>
</tr>
<tr>
<td>A049</td>
<td>Hopper - Load Out</td>
<td>Terex</td>
<td>SE-195</td>
<td></td>
</tr>
<tr>
<td>A050</td>
<td>Burner</td>
<td>Terex</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A061</td>
<td>Conveyor</td>
<td>Terex</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A062</td>
<td>Conveyor</td>
<td>Terex</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A063</td>
<td>Storage Pile</td>
<td>Terex</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table VIII-A-2: Concrete Plant Emission Units

<table>
<thead>
<tr>
<th>EU</th>
<th>Description</th>
<th>Make</th>
<th>Model No.</th>
<th>Serial No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A077</td>
<td>Mobile Cement Silo</td>
<td>CemenTech Inc</td>
<td>CT-200LP</td>
<td>TBD</td>
</tr>
<tr>
<td>A017</td>
<td>Storage Piles - Gravel/Dirt, 0.10 acres</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A018</td>
<td>Storage Piles - Sand, 0.05 acres</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A054</td>
<td>Cement Silo</td>
<td>Retesa</td>
<td>HCC1EM-H4050</td>
<td>212-RTE-1T-6502</td>
</tr>
<tr>
<td>A055</td>
<td>Cement Silo</td>
<td>Retesa</td>
<td>HCC1EM-H4050</td>
<td>212-RTE-1T-6503</td>
</tr>
<tr>
<td>A056</td>
<td>Conveyor</td>
<td>Erie Strayer Company</td>
<td>MC-11C</td>
<td></td>
</tr>
<tr>
<td>A057</td>
<td>Mixer</td>
<td>Erie Strayer Company</td>
<td>MC-11C</td>
<td></td>
</tr>
<tr>
<td>A058</td>
<td>Aggregate Bin (aggregate)</td>
<td>Erie Strayer Company</td>
<td>MC-11C</td>
<td></td>
</tr>
<tr>
<td>A059</td>
<td>Aggregate Bin (sand)</td>
<td>Erie Strayer Company</td>
<td>MC-11C</td>
<td></td>
</tr>
<tr>
<td>A060</td>
<td>Batch Transfer Conveyor</td>
<td>Erie Strayer Company</td>
<td>MC-9485</td>
<td></td>
</tr>
<tr>
<td>A064</td>
<td>Conveyor</td>
<td>Erie Strayer Company</td>
<td>MC-11C</td>
<td></td>
</tr>
<tr>
<td>A065</td>
<td>Conveyor</td>
<td>Erie Strayer Company</td>
<td>MC-11C</td>
<td></td>
</tr>
<tr>
<td>A066</td>
<td>Aggregate Bin (aggregate)</td>
<td>Erie Strayer Company</td>
<td>MC-11C</td>
<td></td>
</tr>
<tr>
<td>A067</td>
<td>Hopper</td>
<td>C&amp;W Enviro Systems</td>
<td>CP-7500</td>
<td>29845</td>
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Table VIII-A-3: Aggregate Plant Emission Units

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

Table VIII-A-4: Haul Roads

<table>
<thead>
<tr>
<th>EU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A028</td>
<td>Paved Haul Road, 10,950 Vehicle Miles Travel (VMT) per consecutive 12-months</td>
</tr>
<tr>
<td>A072</td>
<td>Unpaved Haul Road, 10,950 Vehicle Miles (VMT) per consecutive 12-months</td>
</tr>
</tbody>
</table>

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 bin vents 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: PM₁₀ PTE Asphalt Plant Processing Emission Units

<table>
<thead>
<tr>
<th>EU</th>
<th>Throughput (tons/hour)</th>
<th>Throughput (tons/year)</th>
<th>PM₁₀ EF (lbs/ton)</th>
<th>PM₂₅ EF (lbs/ton)</th>
<th>Control Efficiency (lb/hr)</th>
<th>PM₁₀ (ton/yr)</th>
<th>PM₂₅ (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A040</td>
<td>130</td>
<td>18,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>90.0</td>
<td>0.14</td>
<td>0.01</td>
</tr>
<tr>
<td>A041</td>
<td>130</td>
<td>18,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>90.0</td>
<td>0.14</td>
<td>0.01</td>
</tr>
<tr>
<td>A042</td>
<td>130</td>
<td>18,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>90.0</td>
<td>0.14</td>
<td>0.01</td>
</tr>
<tr>
<td>A043</td>
<td>130</td>
<td>18,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>90.0</td>
<td>0.14</td>
<td>0.01</td>
</tr>
<tr>
<td>A044</td>
<td>130</td>
<td>18,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>90.0</td>
<td>0.14</td>
<td>0.01</td>
</tr>
<tr>
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<td>130</td>
<td>18,000</td>
<td>0.0087</td>
<td>0.000609</td>
<td>90.0</td>
<td>1.13</td>
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</tr>
<tr>
<td>A046</td>
<td>130</td>
<td>18,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>90.0</td>
<td>0.25</td>
<td>0.01</td>
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<td>130</td>
<td>18,000</td>
<td>0.023</td>
<td>0.0029</td>
<td>90.0</td>
<td>5.18</td>
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<tr>
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<td>130</td>
<td>18,000</td>
<td>0.0025</td>
<td>0.0025</td>
<td>90.0</td>
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<td>A049</td>
<td>130</td>
<td>18,000</td>
<td>0.0025</td>
<td>0.0025</td>
<td>90.0</td>
<td>0.56</td>
<td>0.02</td>
</tr>
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</table>
Table VIII-B-2: PTE Asphalt Plant (tons per year)

<table>
<thead>
<tr>
<th>EU</th>
<th>Description</th>
<th>PM_{10}</th>
<th>PM_{2.5}</th>
<th>NO\textsubscript{X}</th>
<th>CO</th>
<th>SO\textsubscript{2}</th>
<th>VOC</th>
<th>HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A040</td>
<td>Hopper 1</td>
<td>0.01</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A041</td>
<td>Hopper 2</td>
<td>0.01</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A042</td>
<td>Hopper 3</td>
<td>0.01</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A043</td>
<td>Hopper 4</td>
<td>0.01</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A044</td>
<td>Gathering Conveyor</td>
<td>0.01</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A045</td>
<td>Screen</td>
<td>0.08</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A046</td>
<td>Charging Conveyor</td>
<td>0.01</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A047</td>
<td>Drum Mixer</td>
<td>0.21</td>
<td>0.03</td>
<td>0.50</td>
<td>1.17</td>
<td>0.10</td>
<td>0.29</td>
<td>0.07</td>
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<tr>
<td>A048</td>
<td>Conveyor - Load Out</td>
<td>0.02</td>
<td>0.02</td>
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<td>0.08</td>
<td>0.00</td>
<td>0.24</td>
<td>0.00</td>
</tr>
<tr>
<td>A049</td>
<td>Hopper - Load Out</td>
<td>0.02</td>
<td>0.02</td>
<td>0.00</td>
<td>0.08</td>
<td>0.00</td>
<td>0.24</td>
<td>0.00</td>
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<tr>
<td>A050</td>
<td>Burner</td>
<td>0.02</td>
<td>0.02</td>
<td>0.17</td>
<td>0.04</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
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<tr>
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<td>Conveyor</td>
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<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A062</td>
<td>Conveyor</td>
<td>0.01</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>A063</td>
<td>Storage Pile</td>
<td>0.08</td>
<td>0.01</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

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

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

\(^1\)Controlled emission factor reflecting use of water sprays to reduce particulate in materials less than one-quarter inch in diameter.

\(^2\)99 percent control efficiency for silos based on binvent control.
### Table VIII-B-4: PTE Aggregate Plant (tons per year)

<table>
<thead>
<tr>
<th>EU</th>
<th>Throughput (tons/hour)</th>
<th>Throughput (tons/year)</th>
<th>PM$_{10}$ EF (lbs/ton)</th>
<th>PM$_{2.5}$ EF (lbs/ton)</th>
<th>Control Efficiency (%)</th>
<th>PM$_{10}$ (lbs/hr)</th>
<th>PM$_{10}$ (tons/yr)</th>
<th>PM$_{2.5}$ (lb/hr)</th>
<th>PM$_{2.5}$ (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A082a</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A082b</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A082c</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A082d</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A082e</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A082f</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A083a</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A083b</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A083c</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A083d</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A083e</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A083f</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>A084a</td>
<td>300</td>
<td>100,000</td>
<td>0.0011</td>
<td>0.000308</td>
<td>0.33</td>
<td>0.06</td>
<td>0.09</td>
<td>0.02</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>EU</th>
<th>Throughput (VMT/yr)</th>
<th>PM$_{10}$ EF (lbs/VMT)</th>
<th>PM$_{2.5}$ EF (lbs/VMT)</th>
<th>Control Efficiency (%)</th>
<th>PM$_{10}$ (lbs/hr)</th>
<th>PM$_{10}$ (tons/yr)</th>
<th>PM$_{2.5}$ (lb/hr)</th>
<th>PM$_{2.5}$ (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A028</td>
<td>10,950</td>
<td>7.57</td>
<td>1.1355</td>
<td>98.0</td>
<td>2.12</td>
<td>0.83</td>
<td>0.32</td>
<td>0.12</td>
</tr>
<tr>
<td>A072</td>
<td>10,950</td>
<td>7.57</td>
<td>0.757</td>
<td>90.0</td>
<td>10.60</td>
<td>4.14</td>
<td>1.06</td>
<td>0.41</td>
</tr>
</tbody>
</table>
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 \((EUs: \text{A040 through A049, and A061 through A063})\) to 130 tons of material per hour and 18,000 tons of material in any consecutive 12-months. \([\text{NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08) and 114 Title V OP (09/18/15) and (04/30/20)}]\)

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

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

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

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

   f. The permittee shall limit traffic to a maximum of 10,950 VMT in any consecutive 12-months \((EU: \text{A072})\) on the unpaved haul road. \([\text{114 Title V OP (07/01/17)}]\)
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/ft² 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 bin vent are completed (EUs: A054, A055, and A077).

10. The permittee shall develop and follow a preventative maintenance schedule that is consistent with the bin vent 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

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

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

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)

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

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)

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

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

<table>
<thead>
<tr>
<th>EU</th>
<th>Topcoat (lbs/gal)</th>
<th>Primer (lbs/gal)</th>
<th>Cleaning (lbs/gal)</th>
<th>Specialty Coating (lbs/gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VOC</td>
<td>HAP</td>
<td>VOC</td>
<td>HAP</td>
</tr>
<tr>
<td>D001</td>
<td>4.10</td>
<td>2.05</td>
<td>5.88</td>
<td>2.94</td>
</tr>
<tr>
<td>D018</td>
<td>4.10</td>
<td>2.05</td>
<td>5.88</td>
<td>2.94</td>
</tr>
<tr>
<td>D002</td>
<td>4.10</td>
<td>2.05</td>
<td>5.88</td>
<td>2.94</td>
</tr>
<tr>
<td>D003</td>
<td>4.10</td>
<td>2.05</td>
<td>5.88</td>
<td>2.94</td>
</tr>
<tr>
<td>D004</td>
<td>4.10</td>
<td>2.05</td>
<td>5.88</td>
<td>2.94</td>
</tr>
<tr>
<td>D028</td>
<td>5.70</td>
<td>2.85</td>
<td>6.45</td>
<td>3.23</td>
</tr>
<tr>
<td>D005</td>
<td>5.00</td>
<td>2.05</td>
<td>4.00</td>
<td>2.00</td>
</tr>
<tr>
<td>D006</td>
<td>5.70</td>
<td>2.85</td>
<td>6.45</td>
<td>3.23</td>
</tr>
<tr>
<td>D007</td>
<td>4.10</td>
<td>2.05</td>
<td>5.88</td>
<td>2.94</td>
</tr>
<tr>
<td>D009</td>
<td>5.70</td>
<td>2.85</td>
<td>6.45</td>
<td>3.23</td>
</tr>
<tr>
<td>D022</td>
<td>4.10</td>
<td>2.05</td>
<td>5.88</td>
<td>2.94</td>
</tr>
<tr>
<td>D033</td>
<td>5.7</td>
<td>2.85</td>
<td>6.45</td>
<td>3.23</td>
</tr>
<tr>
<td>D034</td>
<td>4.1</td>
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<td>2.94</td>
</tr>
<tr>
<td>D035</td>
<td>4.1</td>
<td>2.05</td>
<td>5.88</td>
<td>2.94</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>EU</th>
<th>Building</th>
<th>Make</th>
<th>Model No.</th>
<th>Serial No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C001</td>
<td>11</td>
<td>Evapco</td>
<td>USS1956</td>
<td>W037346</td>
</tr>
<tr>
<td>C024</td>
<td>119</td>
<td>Evapco</td>
<td>AT-212-69</td>
<td>15762603</td>
</tr>
<tr>
<td>C002</td>
<td>200</td>
<td>BAC</td>
<td>PT2-0709A3L1</td>
<td>U190133601-02-01</td>
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<td>200</td>
<td>BAC</td>
<td>PT2-0709A3L1</td>
<td>U190133601-01-01</td>
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<td>C021</td>
<td>340</td>
<td>BAC</td>
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<td>U136598901-01</td>
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<td>554</td>
<td>Evapco</td>
<td>USS19114</td>
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<td>C018</td>
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<td>16-799753</td>
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<td>C013a</td>
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<td>HRFG 714275</td>
<td>H46M3M1142A12431255</td>
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<td>C027</td>
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<td>201301-BAAE00029</td>
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<td>C014</td>
<td>1301</td>
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<td>Marley</td>
<td>NC8304E-1SS</td>
<td>231320-B1</td>
</tr>
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<td>C016</td>
<td>1301</td>
<td>Marley</td>
<td>NC8304E-1SS</td>
<td>231320-C1</td>
</tr>
<tr>
<td>C017</td>
<td>1301</td>
<td>Marley</td>
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<td>834273-A1</td>
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<td>C019</td>
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<td>Evapco</td>
<td>AT 29-324</td>
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<td>C028</td>
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<td>USS-14-84</td>
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<td>C020</td>
<td>61697</td>
<td>Evapco</td>
<td>ICT 4-74</td>
<td>16-799756</td>
</tr>
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</table>
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)

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

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

<table>
<thead>
<tr>
<th>EU</th>
<th>Building</th>
<th>Number of Sanders</th>
<th>Number of Other Equipment</th>
<th>Control Device</th>
<th>Control Efficiency (percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E004</td>
<td>610</td>
<td>2</td>
<td>4</td>
<td>Portable Vacuum Units</td>
<td>99 percent</td>
</tr>
<tr>
<td>E001</td>
<td>807</td>
<td>2</td>
<td>14</td>
<td>Cyclone\Fabric Filter</td>
<td>99 percent</td>
</tr>
<tr>
<td>E002</td>
<td>811</td>
<td>0</td>
<td>5</td>
<td>Cyclone\Fabric Filter</td>
<td>99 percent</td>
</tr>
<tr>
<td>E003</td>
<td>10118</td>
<td>5</td>
<td>5</td>
<td>Cyclone\Fabric Filter and Portable Vacuum Units</td>
<td>99 percent</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>EU</th>
<th>Number of Sanders</th>
<th>Number of Other Equipment</th>
<th>Control Device</th>
<th>Control Efficiency (percent)</th>
<th>PM$_{10}$ (tpy)</th>
<th>PM$_{2.5}$ (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E004</td>
<td>2</td>
<td>4</td>
<td>Portable Vacuum Units</td>
<td>99 percent</td>
<td>0.39</td>
<td>0.39</td>
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<tr>
<td>E001</td>
<td>2</td>
<td>14</td>
<td>Cyclone\Fabric Filter</td>
<td>99 percent</td>
<td>0.83</td>
<td>0.83</td>
</tr>
<tr>
<td>E002</td>
<td>0</td>
<td>5</td>
<td>Cyclone\Fabric Filter</td>
<td>99 percent</td>
<td>0.22</td>
<td>0.22</td>
</tr>
<tr>
<td>E003</td>
<td>5</td>
<td>5</td>
<td>Cyclone\Fabric Filter and Portable Vacuum Units</td>
<td>99 percent</td>
<td>0.39</td>
<td>0.39</td>
</tr>
</tbody>
</table>

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. \([\text{NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)}]\)

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. \([\text{NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08)}]\)

C. Monitoring

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

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. \([\text{AQR 12.5.2.6(d)}]\)

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. \([\text{AQR 12.5.2.6(d)}]\)

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. \([\text{AQR 12.5.2.6(d)}]\)

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

   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)]
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Nellis Air Force Base
Source: 114
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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. \[AQR 12.5.2.3; NSR ATC/OP 114, Modification 46, Revision 1 (11/17/08); 114 Title V OP (09/18/15), (04/20/16), (01/03/17), (07/01/17), (10/19/17), (04/30/20), and (06/15/21); and Application for Part 70 OP Revision (05/27/21)\]

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<thead>
<tr>
<th>EU</th>
<th>Building</th>
<th>Make</th>
<th>Model</th>
<th>Serial Number</th>
<th>Capacity (gal)</th>
<th>Type of Cleaner</th>
</tr>
</thead>
<tbody>
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<td>180</td>
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<td>PCS-25</td>
<td>001941</td>
<td>25</td>
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<tr>
<td>M068</td>
<td>199</td>
<td>Safety-Kleen</td>
<td>250</td>
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### EU Buildings

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<th>Model</th>
<th>Serial Number</th>
<th>Capacity (gal)</th>
<th>Type of Cleaner</th>
</tr>
</thead>
<tbody>
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<td>10569</td>
<td>ChemFree Corporations/SmartWasher</td>
<td>28-1</td>
<td>2101511</td>
<td>25</td>
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<tr>
<td>M069</td>
<td>61685</td>
<td>Chemfree/SmartWasher</td>
<td>SW-23</td>
<td>A029963</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>EU</th>
<th>Hours/Year</th>
<th>Area (ft²)</th>
<th>EF (lb/hour/ft²)</th>
<th>VOC (tons/year)</th>
<th>HAP (tons/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M004</td>
<td>208</td>
<td>8.1</td>
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<tr>
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<td>208</td>
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<td>0.05</td>
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<tr>
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<tr>
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<tr>
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<td>1.7</td>
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<tr>
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<td>M069</td>
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<td>8.1</td>
<td>0.08</td>
<td>0.07</td>
<td>0</td>
</tr>
</tbody>
</table>
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>
<thead>
<tr>
<th>EU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>O01</td>
<td>Source-wide Miscellaneous Chemical Usage</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>EU</th>
<th>VOC</th>
<th>HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>O01</td>
<td>19.14</td>
<td>2.82</td>
</tr>
</tbody>
</table>

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 XIIE.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

<table>
<thead>
<tr>
<th>If you own or operate</th>
<th>Then you must</th>
</tr>
</thead>
<tbody>
<tr>
<td>A gasoline cargo tank</td>
<td>Not unload gasoline into a storage tank at a GDF subject to the control requirements in this subpart unless the following conditions are met:</td>
</tr>
<tr>
<td></td>
<td>(i) All hoses in the vapor balance system are properly connected,</td>
</tr>
<tr>
<td></td>
<td>(ii) The adapters or couplers that attach to the vapor line on the storage tank have closures that seal upon disconnect,</td>
</tr>
<tr>
<td></td>
<td>(iii) All vapor return hoses, couplers, and adapters used in the gasoline delivery are vapor-tight,</td>
</tr>
<tr>
<td></td>
<td>(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</td>
</tr>
<tr>
<td></td>
<td>(v) All hatches on the tank truck are closed and securely fastened.</td>
</tr>
<tr>
<td></td>
<td>(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.</td>
</tr>
</tbody>
</table>

Attachment 2:

List of Insignificant Fuel Storage Tanks

<table>
<thead>
<tr>
<th>Building Number</th>
<th>Unit Type</th>
<th>Make</th>
<th>Model</th>
<th>Serial Number</th>
<th>Capacity (Gallons)</th>
<th>Fuel Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>AST fo EU G001</td>
<td>Containment Solutions</td>
<td>LDP250P</td>
<td>732732</td>
<td>250</td>
<td>Diesel</td>
</tr>
<tr>
<td>47</td>
<td>Belly Tank for EU G003</td>
<td>Onan</td>
<td>159-1464</td>
<td>ODT-29786</td>
<td>145</td>
<td>Diesel</td>
</tr>
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<td>119</td>
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<td>17413</td>
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</tr>
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<td></td>
<td>Description</td>
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<td>ID</td>
<td>Quantity</td>
<td>Fuel Type</td>
</tr>
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<tr>
<td>217</td>
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<td>Global Power Components</td>
<td>B21-800</td>
<td>9802-003</td>
<td>800</td>
<td>Diesel</td>
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<td>Tramonte Manufacturing LLC</td>
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<td>807</td>
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<td>843</td>
<td>AST for EU G103</td>
<td>Freeman Enclosures</td>
<td>UTBD-843</td>
<td>S-44012</td>
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<tr>
<td>843</td>
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### Insignificant Fuel Loading Racks

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<th>Model</th>
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<th>Capacity (gal)</th>
<th>Number of Racks</th>
<th>Fuel</th>
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<td>J007</td>
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<td>Eight (8) Loading Racks</td>
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### Insignificant Fuel Dispensing

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<th>Capacity (gal)</th>
<th>Fuel</th>
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<td>Bennett</td>
<td>C27S-GECATPNN-USA</td>
<td>12E632746</td>
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<td>Former J021</td>
<td>856</td>
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<td>Gasboy</td>
<td>Atlas</td>
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### Insignificant Degreasers

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<td>Chemfree/SmartWasher (Aqueous Degreaser)</td>
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1 Units are insignificant as the only solvents used contain no VOC or HAP content per the Material Safety Sheet.
### Insignificant Surface Coating

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<th>Capacity (gal)</th>
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<tbody>
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<td>Various Locations</td>
<td>Preval sprayer (touch-up painting)</td>
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<tr>
<td>Various Location</td>
<td>Aerosol painting of vehicle parts</td>
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1The 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

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<td>Empire</td>
<td>4652</td>
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<td>255</td>
<td>Media Blasting</td>
<td>Pauli</td>
<td>RAM11</td>
<td>011176</td>
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<td>252</td>
<td>Media Blasting</td>
<td>Cyclone</td>
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<td>8120</td>
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<td>Clemco</td>
<td>BNP DBL 220P 900 CDC 230 V</td>
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<td>PRAM 101020</td>
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