

CLARK COUNTY
DEPARTMENT OF AIR QUALITY
4701 West Russell Road, Suite 200, Las Vegas, Nevada 89118
Part 70 Operating Permit
Source: 473
Issued in accordance with the
Clark County Air Quality Regulations
(AQR Section 12.5)

ISSUED TO: **United States Air Force, Nellis AFB, 99th ABW**
4430 Grissom Avenue, Suite 110
Nellis AFB, NV 89191-6520

SOURCE: **Creech Air Force Base**
East Highway 95 North
Indian Springs, Nevada 89018

NATURE OF BUSINESS:
SIC 9711: National Security
NAICS Code 92811: National Security

RESPONSIBLE OFFICIAL:

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Permit Issuance: May 31, 2013 **Expiration Date:** May 30, 2018
Permit Revision Date: January 3, 2017

ISSUED BY: CLARK COUNTY DEPARTMENT OF AIR QUALITY



Richard Beckstead
Permitting Manager, Clark County Air Quality

EXECUTIVE SUMMARY

Creech Air Force Base is a federally-owned military installation located within the city limits of Indian Springs, Nevada. The base is divided into two geographic areas: the Main Base and the Nevada Test and Training Range (NTTR). The main base, located adjacent to the township of Indian Springs, Nevada, within the Indian Springs Valley Hydrographic Area, consists of the flight line and an associated industrial infrastructure that directly supports flying operations along with a wide variety of commercial and industrial uses which support of the base's mission.

The NTTR, located to the south of the main base, encompassing Hydrographic Areas 160, 161, 168, 211, and 212, consists of approximately 2.9 million acres of BLM land, a portion of which is situated in Clark County, that has been withdrawn from public domain for military use as an armament and high hazard testing area. Activities include, but are not limited to aerial gunnery training, rocketry, electronic warfare, tactical maneuvering and air support, and equipment and tactics development and testing. The NTTR is also referred to as the Southern Ranges and include the Point Bravo facilities and Range 63C (Silver Flag Alpha Ground Combat Training Area).

Both Creech AFB and the NTTR operate under the authority of the 99th Air Base Wing Commander, located at Nellis AFB. The source falls under SIC Code 9711: National Security and NAICS Code 928110: National Security.

The Indian Springs Valley Hydrographic Area is designated as an attainment area for all criteria pollutants. The major source threshold for criteria pollutants in an attainment area is 250 tons/year for each pollutant. Creech AFB is a Part 70 source for NO_x and a minor source of PM, CO, SO₂, VOC, HAP and GHG pollutants.

The current permitting action constitutes a minor revision to the Part 70 Operating Permit (OP) for the source. All terms and conditions in Sections I through VI and the Attachments in this permit are federally enforceable unless explicitly denoted otherwise.

The table below summarizes the source PTE, by category, for each regulated air pollutant for all emission units addressed by this Part 70 OP:

Source PTE (tons/year)

| Activity | PM ₁₀ | PM _{2.5} | NO _x | CO | SO ₂ | VOC | HAP | H ₂ S | Pb | CO ₂ |
|--|------------------|-------------------|-----------------|--------------|-----------------|--------------|-------------|------------------|----------|------------------|
| Storage Tanks/Loading Arms/Fuel Dispensing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.96 | 1.03 | 0 | 0 | 0.00 |
| External Combustion | 0.72 | 0.72 | 12.76 | 7.00 | 1.45 | 0.94 | 0.14 | 0 | 0 | 12,048.62 |
| Internal Combustion | 8.06 | 8.06 | 157.91 | 31.72 | 10.83 | 10.82 | 1.25 | 0 | 0 | 9,971.21 |
| Mineral Processing | 14.30 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Surface Coating | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 6.60 | 4.62 | 0 | 0 | 0 |
| Wood Working | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Fuel Cell Maintenance | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.01 | 0 | 0 | 0 |
| Total | 23.47 | 8.89 | 170.67 | 38.72 | 12.28 | 29.37 | 7.05 | 0 | 0 | 22,019.83 |

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I. ACRONYMS

Table I-1: Acronyms and Abbreviations

| Acronym | Term |
|-------------------|---|
| Air Quality | Department of Air Quality |
| AQR | Clark County Air Quality Regulations |
| AST | Aboveground Storage Tank |
| ATC | Authority to Construct |
| Avgas | Aviation Gasoline |
| BCC | Clark County Board of County Commissioners |
| CAO | Field Corrective Action Order |
| CAFB | Creech Air Force Base |
| CARB | California Air Resources Board |
| CE | Control Efficiency |
| CF | Control Factor |
| CFR | United States Code of Federal Regulations |
| CO | Carbon Monoxide |
| CPI | Urban Consumer Price Index |
| DEM | Digital Elevation Model |
| EF | Emission Factor |
| EO | Executive Order |
| EPA | United States Environmental Protection Agency |
| EU | Emission Unit |
| EVR | Enhanced Vapor Recovery |
| GDO | Gasoline Dispensing Operation |
| GHG | Green House Gas |
| HAP | Hazardous Air Pollutant |
| HP | Horse Power |
| MMBtu | Millions of British Thermal Units |
| MSP | Minor Source Permit |
| NAC | Nevada Administrative Code |
| NEI | Net Emission Increase |
| NO _x | Nitrogen Oxides |
| NOV | Notice of Violation |
| NRS | Nevada Revised Statutes |
| NSPS | New Source Performance Standards |
| NSR | New Source Review |
| NTTR | Nevada Test and Training Range |
| OP | Operating Permit |
| PM ₁₀ | Particulate Matter less than 10 microns |
| PM _{2.5} | Particulate Matter less than 2.5 microns |
| ppm | Parts per Million |
| PSD | Prevention of Significant Deterioration |
| PTE | Potential to Emit |
| RICE | Rotating Internal Combustion Engine |
| SIP | State Implementation Plan |
| SO ₂ | Sulfur dioxide |
| TSD | Technical Support Document |
| UST | Underground Storage Tank |
| VOC | Volatile Organic Compound |

II. GENERAL CONDITIONS

A. General Requirements

1. The Permittee shall comply with all conditions of the Part 70 Operating Permit. Any permit noncompliance may constitute a violation of the Clark County Air Quality Regulations, Nevada Law, and the Clean Air Act and is grounds for the following: enforcement action; permit termination, revocation and reissuance; revision; or denial of a permit 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 not be affected and shall remain valid. *[AQR 12.5.2.6(f)]*
3. The Permittee shall pay all permit fees pursuant to AQR Section 18. *[AQR 12.5.2.6(h)]*
4. The permit does not convey any property rights of any sort, or any exclusive privilege. *[AQR 12.5.2.6(g)(4)]*
5. The Permittee shall not hinder, obstruct, delay, resist, interfere with, or attempt to interfere with the Control Officer, or any individual to whom authority has been duly delegated for the performance of any duty by the AQR. *[AQR 5.1.1]*
6. The Permittee shall allow the Control Officer, upon presentation of credentials and other documents as may be required by law, to enter the premises, with or without prior notice, at any reasonable time for the purpose of establishing compliance with the AQR or this permit. Upon arrival at the facility, the Control Officer, or designated representative, shall check in at the main office if arriving between the hours of 8:00 am and 5:00 pm on weekdays. The Permittee shall make an escort available promptly in order for the inspection to begin in a timely manner. Upon presentation of credentials, the Permittee shall allow the Control Officer to: *[AQR 4.3 and AQR 12.5.2.8(b)]*
 - a. Have access to 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 devices such as cameras or video equipment.
7. Any Permittee who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such 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 it filed a complete application but prior to release of a draft permit. A responsible official shall certify the additional information consistent with the requirements of AQR Section 12.5.2.4. [AQR 12.5.2.2]

8. The Permittee who has been issued a permit under Section 12.5 shall post such permit in a location which is clearly visible and accessible to the facility's employees and representatives of the department. [AQR 12.5.2.6(m)]

B. Modification, Revision, 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 ATC Permit from the Control Officer. [AQR 12.4.1.1(a)]
2. The permit may be revised, revoked, reopened and reissued, or terminated for cause. 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 that a complete application need not be received before a Part 70 general permit is issued pursuant to Section 12.5.2.20; and
 - b. The conditions of the permit provide for compliance with all applicable requirements and the requirements of AQR Section 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, which would otherwise constitute a violation of an applicable requirement. [AQR 80.1 and 40 CFR 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 (6) months and not greater than eighteen (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/Providing Information Requirements

1. The Permittee shall submit all compliance certifications to 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 AQRs shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification 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, within a reasonable time, any information that the Control Officer may request in writing 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 required to be kept by the permit or, for information claimed to be confidential, the Permittee may furnish such records 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 such information or analyses as will disclose the nature, extent, quantity or degree of air contaminants which are or may be discharged by such source, and type or nature of control equipment in use, and the Control Officer may require such disclosures be certified by a professional engineer registered in the state. In addition to such report, the Control Officer may designate an authorized agent to make an independent study and report as to the nature, extent, quantity or degree of any air contaminants which are or may be discharged from the source. An authorized agent so designated is authorized to inspect any article, machine, equipment, or other contrivance necessary to make the inspection and report. *[AQR 4.4]*
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 Air Quality by March 31 of each calendar year; and
 - b. The report shall include the emission factors and calculations used to determine the emissions from each permitted emission unit, even when an emission unit is not operated.

C. Reporting/Notifications/Providing Information – Source Specific Requirements

6. The Permittee shall submit semi-annual monitoring reports to Air Quality based on the following requirements: *[AQR 12.5.2.6(d)]*
 - a. The report shall include a semi-annual summary of each item listed in Recordkeeping for Sections III, A through H.
 - b. The report shall cover the semi-annual reporting period from January 1 through June 30 or the semi-annual reporting period from July 1 through December 31.

The report shall be submitted to Air Quality within 30 calendar days after the semi-annual calendar period.

- c. Regardless of the date of issuance of this Operating Permit, the source shall comply with the schedule for report submissions outlined in Table IV-1:

Table IV-1: Summary of Required Submission Dates for Various Reports

| Required Report | Applicable Period | Due Date ¹ |
|--|--|---|
| Semi-annual Report for 1st Six-Month Period | January, February, March, April, May, June | July 30 each year |
| Semi-annual Report for 2 nd Six-Month Period, Any additional annual records required. | July, August, September, October, November, December | January 30 each year |
| Annual Compliance Certification Report | Calendar Year | January 30 each year |
| Annual Emission Inventory Report | Calendar Year | March 31 each year |
| Notification of Deviations with Excess Emissions | As Required | Within 24 hours of the time the Permittee first learns of the event |
| Report of Deviations with Excess Emissions | As Required | Within 72 hours of the notification of the event |
| Deviation Report | As Required | Along with semi-annual reports |
| Performance Testing | As Required | Within 60 days from the end of the test. |

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

- 7. All records and logs, or a copy thereof, shall be kept on-site for a minimum of five (5) years from the date the measurement was taken or data was entered and shall be made available to the Control Officer upon request. [AQR 12.5.2.6(d)(2)(B)]
- 8. The Control Officer reserves the right to require additional reports and reporting to verify compliance with permit emission limits, applicable permit requirements, and requirements of applicable federal regulations. [AQR 4.4]

D. Compliance Requirements

- 1. The Permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [AQR 12.5.2.6(g)(2)]
- 2. Any person who violates any provision of AQR, 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 by Air Quality is guilty of a civil offense and shall pay 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 Section 9 is entitled to review as provided in Chapter 233B of NRS. [AQR 9.12]
- 4. The Permittee shall comply with the requirements of 40 CFR 61, Subpart M, of the National Emission Standard for Asbestos for all demolition and renovation projects. [AQR 13.1(b)(8)]

5. The Permittee shall certify compliance with terms and conditions contained in the 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 Administrator at USEPA Region IX (Director, Air and Toxics Divisions, 75 Hawthorne St., San Francisco, CA 94105). A compliance certification for each calendar year will be due on January 30th 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. The methods and means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements described in 40 CFR 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 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 subsection II.D.6(b). 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 is 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 (4701 West Russell Road, Suite 200, Las Vegas, NV 89118) any upset, breakdown, malfunction, emergency or deviation which cause emissions of regulated air pollutants in excess of any limits set by regulation or by this permit. The report shall be in two parts as specified below: *[AQR 12.5.2.6(d)(4)(B) and AQR 25.6.1]*
 - a. within twenty-four (24) hours of the time the Permittee learns of the excess emissions, the report shall be communicated by phone (702) 455-5942, fax (702) 383-9994, or email: airquality@clarkcountynv.gov; and
 - b. within seventy-two (72) hours of the notification required by paragraph (a) above, the detailed written report containing the information required by AQR Section 25.6.3 shall be submitted.
8. The Permittee shall report to the Control Officer with the semi-annual monitoring report all deviations from permit conditions that do not result in excess emissions, including those attributed 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 Section 12 shall report to the Control Officer emissions that are in excess of an applicable requirement or emission limit that pose a potential imminent and substantial danger to public health, safety or the environment as soon as possible, but in no case later than twelve (12) hours after the excess emissions is discovered, with a written report submitted within two (2) 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 Air Quality regulations 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 4.5]
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 4.6]
3. The Permittee shall submit for approval a performance testing protocol which contains testing, reporting, and notification schedules, test protocols, and anticipated test dates to the Control Officer (4701 West Russell Road, Suite 200, Las Vegas, NV 89118) not less than 45 nor more than 90 days prior to the anticipated date of the performance test unless otherwise specified in Sections III.A.6, III.C.6, and III.D.6. [AQR 12.5.2.8]
4. The Permittee shall submit to EPA for approval any alternative test methods that are not already approved by EPA, to demonstrate compliance with a requirement under 40 CFR Part 60. [40 CFR 60.8(b)]
5. The Permittee shall submit a report describing the results of each performance test to the Control Officer within 60 days from the end of the performance test. [AQR 12.5.2.8]

III. EMISSION UNITS AND APPLICABLE REQUIREMENTS

A. STORAGE TANKS/LOADING ARMS/FUEL DISPENSING

1. Emission Units

- a. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Tables III-A-1 and III-A-2. [AQR 12.5.2.3 and NSR ATC (June 4, 2012), Section IV-A, Condition 1(a)]

Table III-A-1: Emission Units, Tanks

| EU | Description | Fuel | Capacity (gallons) | Location |
|------|--------------------------|--------------|--------------------|---------------|
| J001 | Aboveground Storage Tank | Gasoline | 5,000 | Building 687 |
| J002 | Aboveground Storage Tank | Gasoline | 10,000 | Building 688 |
| J007 | Aboveground Storage Tank | Jet Fuel | 75,000 | Building 663 |
| J008 | Aboveground Storage Tank | Aviation Gas | 5,000 | Building 681 |
| J009 | Aboveground Storage Tank | Aviation Gas | 5,000 | Building 660 |
| J010 | Aboveground Storage Tank | Aviation Gas | 137 | Building 1000 |

Table III-A-2: Emission Units, Loading Arms

| EU | Description | Fuel | Location |
|------|---|----------|---------------|
| J013 | Two (2) Loading Arms (one loading; one unloading) | Jet Fuel | Building 682 |
| J014 | Two (2) Loading Arms (one loading; one unloading) | Gasoline | Building 691 |
| J015 | Two (2) Loading Arms (one loading; one unloading) | Avgas | Building 692 |
| J017 | One (1) Loading Arm | Avgas | Building 1000 |

2. 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 26.1.1]*

3. Production Limits

- a. The Permittee shall limit the combined throughput of all gasoline products for the two ASTs, located at Buildings 687 and 688, to 3,640,000 gallons in any consecutive twelve month period (EUs: J001 and J002). *[NSR MSP (October 30, 2010), Section IV-B, Condition 2(a)]*
- b. The Permittee shall limit the throughput of all aviation gas products in each AST located at Buildings 660 and 681 to 150,000 gallons in any consecutive twelve month period (EUs: J008 and J009). *[NSR MSP (October 30, 2010), Section IV-B, Condition 2(c)]*
- c. The Permittee shall limit the throughput of all aviation gas products in the AST and loading arm, located at Building 1000, to 50,000 gallons in any consecutive twelve month period (EUs: J010 and J017). *[NSR ATC (June 4, 2012), Section IV-A, Condition 3(d)]*
- d. The Permittee shall limit the throughput of jet fuel in the AST located at Building 663 to 2,000,000 gallons in any consecutive twelve month period (EU: J007). *[NSR ATC (June 4, 2012), Section IV-A, Condition 3(e)]*
- e. The Permittee shall limit the throughput for each of the jet fuel loading arms at Building 682 to 2,000,000 gallons in any consecutive twelve month period (EU: J013). *[NSR MSP (October 30, 2010), Section IV-B, Condition 3(g)]*
- f. The Permittee shall limit the throughput of the two gasoline loading arms at Building 692 to 500,000 gallons in any consecutive twelve month period (EU: J014). *[NSR MSP (October 30, 2010), Section IV-B, Condition 2(h)]*

- g. The Permittee shall limit the throughput of the diesel loading arm to 500,000 gallons in any consecutive twelve month period (EU: J016). *[NSR MSP (October 30, 2010), Section IV-B, Condition 2(h)]*
- h. The Permittee shall limit the throughput of the two aviation gas loading arms at Building 692 to 150,000 gallons in any consecutive twelve month period (EU: J015). *[NSR ATC (June 4, 2012), Section IV-A, Condition 3(k)]*
- i. The Permittee shall only store/dispense the product specifically noted for each storage tank/fuel-dispensing unit in Tables III-A-1 and III-A-2. *[NSR MSP (October 30, 2010), Section IV-B, Condition 2(j)]*

4. Emission Controls

- a. The Permittee shall operate each of the AST with pressure/conservation vents. *[NSR MSP (October 30, 2010), Section IV-B, Condition 3(a)]*
- b. 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. Measures to be taken include, but are not limited to, the following (EUs: J001 and J002): *[40 CFR 63.11116(a)]*
 - i. Minimize gasoline spills;
 - ii. Clean up spills as expeditiously as practicable;
 - iii. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and
 - iv. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
- c. The Permittee shall load gasoline into storage tanks utilizing submerged fill pipes that are no more than 6 inches from the bottom of the storage tank, as defined in 40 CFR 63.11132 for gasoline storage tanks installed after November 9, 2006. (EUs: J001 and J002). *[40 CFR 63.11117(b)]*
- d. The Permittee shall install, maintain, and operate the two gasoline storage tanks with a Phase I Vapor Recovery System that meets the following requirements (EUs: J001 and J002): *[40 CFR 63.11118(b)(1)]*
 - i. 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.
 - ii. The Phase I vapor recovery system shall be a dual-point vapor balance system, as defined by 40 CFR 63.11132, in which the storage tank is equipped with an entry port for a gasoline fill pipe and a separate exit port for a vapor connection.
 - iii. All Phase I vapor recovery equipment shall be installed, maintained and operated in accordance with the manufacturer's specifications and certification requirements.

- iv. All vapor connections and lines on storage tanks shall be equipped with closures that seal upon disconnect.
 - v. The vapor line from the gasoline storage tanks to the gasoline cargo tank shall be vapor-tight, as defined in 40 CFR 63.11132.
 - vi. 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.
 - vii. 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.
 - viii. 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.
 - ix. Liquid fill connections for all systems shall be equipped with vapor-tight caps.
 - x. A pressure/vacuum (PV) vent valve on each gasoline storage tank system shall be installed, maintained and operated in accordance with the manufacturer's specifications. The pressure specifications for PV vent valves shall comply with:
 - 1. 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
 - 2. 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. [40 CFR 63.11118 or AQR 12.1.4.1(f)]
 - xi. The vapor balance system shall be capable of meeting the static pressure performance requirement in 40 CFR 63, Subpart CCCCCC, Table 1, Part 1 and comply with the equation: $P_f = 2e^{-500.887/V}$
- e. The Permittee shall implement a Phase II Vapor Recovery System on the two gasoline storage tanks that meets the following requirements (EUs: J001 and J002): This condition is not federally enforceable. [NSR MSP (October 30, 2010), Section IV-B, Condition 3(i)]
- i. The Phase II Vapor Recovery System shall be certified by an industry recognized certification body, i.e., California Air Resources Board (CARB) or equivalent to meet at least 95.0 percent control efficiency when in operation.
 - ii. All Phase II vapor recovery equipment shall be installed, maintained and operated in accordance with the manufacturer's specifications and certification requirements.
 - iii. All Phase II vapor recovery equipment shall be maintained to be leak free, vapor tight, and in good working order.
 - iv. The gasoline product and vapor return hoses shall be coaxial.
 - v. Hose breakaway(s) shall be approved by the certification body.

- vi. The maximum allowable hose length shall be in accordance to the certification requirements.
 - vii. Each Balance Phase II Vapor Recovery System dispenser shall limit each nozzle's gasoline dispensing rate to the corresponding certification values. Dispenser fuel flow restrictors shall be installed as necessary and must be approved by an industry recognized certification body, i.e., California Air Resources Board (CARB) or equivalent.
- f. The Permittee shall comply with the requirements of each management practice in Table 1 of Subpart CCCCC (EUs: J001 and J002). [40 CFR 63.11118(b)(1)]
- i. All vapor connections and lines on the storage tank shall be equipped with closures that seal upon disconnect;
 - ii. the vapor line from the gasoline storage tank to the gasoline cargo tank shall be vapor tight, as defined in 40 CFR 63.11132;
 - iii. the vapor balance system shall be designed such that the pressure in the tank does not exceed 18 inches water pressure or 5.9 inches of vacuum during product transfer;
 - iv. 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;
 - v. 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 storage tank as specified in 40 CFR 63.11117(b);
 - vi. liquid fill connections for all systems shall be equipped with vapor-tight caps;
 - vii. Pressure/vacuum (PV) vent valves shall be installed on the storage tank vent pipes. The pressure specifications for PV vent valves shall be: 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. The total leak rate of all PV vent valves at an 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.
 - viii. the vapor balance system shall be capable of meeting the static pressure performance requirement of the following equation: $P_f = 2e^{-500.887/v}$
 - where: P_f = Minimum allowable final pressure, inches of water
 - v = Total ullage affected by the test, gallons
 - e = Dimensionless constant equal to approximately 2.718
 - 2 = The initial pressure, inches water.
- g. The filling of storage tanks at the GDO shall be limited to unloading from vapor-tight gasoline cargo tanks. Documentation that the cargo tank has met the specifications of EPA Method 27 shall be carried with the cargo tank. [40 CFR 63.11125]

- h. The Permittee shall ensure that cargo tanks unloading at the gasoline dispensing facility comply with the management practices in Table 2 of Subpart CCCCCC (EUs: J001 and J002): *[40 CFR 63.11118(d)]*
 - i. all hoses in the vapor balance system shall be properly connected;
 - ii. the adapters or couplers that attach to the vapor line on the storage tank shall have closures that seal upon disconnect;
 - iii. all vapor return hoses, couplers, and adapters used in the gasoline delivery shall be vapor-tight;
 - iv. all tank truck vapor return equipment is compatible in size and forms a vapor-tight connection with the vapor balance equipment on the GDF storage tank; and
 - v. all hatches on the tank truck shall be closed and securely fastened.

5. Monitoring

- a. The Permittee shall monitor the throughput of fuel products (EUs: J001, J002, and J007 through J010) and calculate, on a monthly basis, the total fuel throughput for each consecutive twelve month period. *[AQR 12.5.2.6(d)(1)]*
- b. The Permittee shall conduct daily inspection for Phase I vapor recovery system to determine if components of the system are defective. *[AQR 12.5.2.6(d)(1)]*
- c. The Permittee shall conduct daily inspections on the Phase II Vapor Recovery system including but not limited to the following determinations: *[AQR 12.5.2.6(d)(1)]*
 - i. whether hoses are crimped;
 - ii. whether hoses are flattened;
 - iii. whether hoses are breached;
 - iv. whether the nozzle shut-off mechanism(s) is malfunctioning;
 - v. whether the interlock mechanism(s) is malfunctioning;
 - vi. whether the system is vapor and liquid tight; and
 - vii. whether the system is installed and maintained in accordance with manufacturer's specifications

6. Testing

- a. The following general vapor recovery testing requirements apply to the source (EUs: J001 and J002) to demonstrate compliance with Phase I and Phase II controls. *[AQR 12.5.2.6(d)]*
 - 1. The Permittee shall conduct initial vapor recovery testing within 30 days of commencing operation.

2. The Permittee shall conduct subsequent performance testing, for each emission unit, prior to the anniversary date of the previous vapor recovery test that the source passed.
 3. Each vapor recovery test shall be conducted in accordance with the applicable CARB Test Procedure that is required by the CARB EO.
 4. The Permittee shall schedule each vapor recovery test with the Control Officer at least 30 calendar days prior to the anticipated date of testing.
 5. Any prior approved scheduled vapor recovery test cannot be canceled and/or rescheduled except with the prior approval of the Control Officer.
 6. Each vapor recovery test shall be conducted by third party Certified Phase II Vapor Recovery Tester.
 7. If the source fails a vapor recovery test, the Permittee shall comply with the following:
 - a. Any control equipment and associated gasoline dispensing equipment that fails to meet the standards of the applicable vapor recovery test shall be tagged as "Out of Order". No person shall use or permit the use of tagged equipment until it has been repaired, replaced, or adjusted and the source has passed subsequent vapor recovery test.
 - b. The Permittee shall:
 - i. make all necessary repairs;
 - ii. Re-test the affected source; and
 - iii. Immediately notify the Control Officer,
 8. The process of Section III-A-7-A-8(b)(i) and (ii) shall continue until the affected source successfully passes all aspects of the vapor recovery test.
 9. The Control Officer may require the Permittee to conduct any vapor recovery test after a failed vapor recovery test in the presence of an Air Quality representative.
 10. Pursuant to AQR Section 4, the Control Officer may require additional testing.
- b. The Permittee shall conduct vapor recovery testing on the Phase I system, as indicated on Table III-A-4 (EUs: J001 and J002). *[40 CFR 63.11120(a)]*

Table III-A-4: Phase I Vapor Recovery Test Criterion

| Description | CARB Test Procedure | Frequency |
|---|---------------------|---|
| Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves | TP-201.1E | Initial and once every three years thereafter |
| Determination of 2-inch WC static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities | TP-201.3B | |

- c. The Permittee shall conduct vapor recovery tests on the Phase II system, as indicated in Table III-A-5 (EUs: J001 and J002). *This condition is not federally enforceable. [NSR – ATC (June 4, 2012), Section IV-A, Condition 6(c)]*

Table III-A-5: Phase II Test Criterion: Balance Vapor Recovery System

| Description | CARB Test Procedure | Frequency |
|--|---------------------|--|
| Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves | TP-201.1E | Initial and every three years thereafter |
| Pressure Decay/Leak Test | TP-201.3B | Initial and every three years thereafter |
| Dynamic Back Pressure/Liquid Blockage test | TP-201.4 | Initial and every three years thereafter |
| Flow Rate Test | CC_VRTP_1 | Initial and every three years thereafter |

7. Recordkeeping

- a. The Permittee shall maintain onsite the following records: *[AQR 12.5.2.6(d)(2)]*
 - i. maintenance on distribution and control (i.e. Phase I and Phase II) equipment, including a general description of location and parts;
 - ii. date and time distribution and/or control equipment was taken out-of-service;
 - iii. date of repair or replacement of distribution and/or control equipment;
 - iv. equipment inspections; and
 - v. vapor recovery testing results.

- b. The Permittee shall maintain onsite the following records for reporting: *[AQR 12.5.2.6(d)(4)]*
 - i. Monthly and each consecutive twelve month total of gasoline product throughput for the storage tanks and loading racks in Section III-A-3;
 - ii. a report containing the results of all volumetric efficiency tests required by 40 CFR 63.11120(b) within 180 days after the completion of the vapor recovery testing (EUs: J001 and J002); and
 - iii. a report containing the results, for vapor recovery testing not required by 40 CFR 63.11120(b), within 30 days from the end of an initial, and each 3-year vapor recovery test.

B. EXTERNAL COMBUSTION

1. Emission Units

- a. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table III-B-1. *[AQR 12.5.2.3 and NSR ATC (June 4, 2012), Section IV-B Condition 1(a)]*

Table III-B-1: Emission Units, Boilers and Booth Heaters

| EU | Description | Manufacturer | Fuel | Rating (MMBtu/hr) | Model # | Serial # | Location |
|------|--------------------|--------------|---------|-------------------|-------------------|-----------|---------------|
| W001 | Boiler | Ajax | Propane | 1.50 | WRFP-1500 | 68237 | Building 71 |
| W002 | Boiler | Ajax | Propane | 1.03 | WFP1250 | 56872 | Building 718 |
| W003 | Boiler | Bryan | Propane | 2.00 | AB200-W-FDG-LX | 92135 | Building 1000 |
| W004 | Boiler | Bryan | Propane | 2.00 | AB200-W-FDG | 96527 | Building 1003 |
| W005 | Boiler | Unilux | Propane | 1.26 | DZ 100W | 5820 | Building 1005 |
| W006 | Boiler | Unilux | Propane | 1.31 | VZ 150W | 3884 | Building 1004 |
| W007 | Boiler | Unilux | Propane | 2.28 | ZF 250W | A1417 | Building 719 |
| W008 | Boiler | Weil McClain | Propane | 2.05 | 88 | | Building 1009 |
| W009 | Boiler | Weil McClain | Propane | 1.08 | 880 | CP5451287 | Building 120 |
| W010 | Boiler | Camus | Propane | 1.50 | DFPH-1501-MGI-HVS | 121216648 | Building 1130 |
| W011 | Boiler | Camus | Propane | 1.50 | DFPH-1501-MGI-HVS | 121216647 | Building 1130 |
| C003 | Spray Booth Heater | Weather-Rite | Propane | 2.916 | TOT221VT | 53748-1 | Building 230 |
| C004 | Spray Booth Heater | Weather-Rite | Propane | 2.916 | TOT221VT | 53748-2 | Building 230 |

2. 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 26.1.1]*

3. Production Limits

- a. The Permittee shall limit fuel consumption for the two propane-fired spray booth heaters (EUs: C003 and C004) to a combined maximum of 279,171 gallons in any consecutive twelve month period. *[AQR 12.5.2.6(a) and Application for Minor Revision (07/25/2016)]*

4. Emission Controls

- a. The Permittee shall implement good combustion practices for all propane-fired boilers. These practices include operating the boilers with an optimum amount of excess air to minimize heat loss up the stack and improve combustion efficiency. *[NSR MSP (October 30, 2010), Section V-B, Condition 3(a)]*
- b. The Permittee shall combust only propane in the boilers and spray booth heaters and the boilers. *[NSR ATC (June 4, 2012), Section IV-B, Condition 4(b)]*
- c. The Permittee shall operate and maintain all boilers/booth heaters in accordance with the manufacturers' specifications. *[NSR MSP (October 30, 2010), Section V-B, Condition 3(d)]*

5. Monitoring

- a. Compliance with the fuel consumption requirements for the two Weather-Rite booth heaters (EUs: C003 and C004) shall be demonstrated by maintaining records of propane fuel delivered to the emission units. *[AQR 12.5.2.6(d)(1)]*
- b. The Permittee shall conduct a monthly visual emissions check for visible emissions from each emission unit while it is in operation. *[AQR 12.5.2.6(d)(1)]*
- c. If the Permittee, during the visible emissions check, does not see any plume that, on an instantaneous basis, appears to exceed the opacity standard, then the observer shall keep a record of the name of the observer, the date on which the observation was made, the location, and the results of the observation. *[AQR 12.5.2.6(d)(1)]*
- d. If the Permittee sees a plume that, on an instantaneous basis, appears to exceed the opacity standard, the Permittee shall: *[AQR 12.5.2.6(d)(1)]*
 - i. take immediate action to correct causes of fugitive/stack emissions that appear to exceed allowable opacity limits; or
 - ii. if practical, have a certified VE observer take an EPA Method 9 observation of the plume and record the results, and take immediate action to correct causes of fugitive emissions in excess of allowable opacity limits in accordance with 40 CFR 60 Appendix A: Reference Method 9.

6. Testing

- a. No performance testing requirements have been identified for the boilers or spray booth heaters at this time.

7. Recordkeeping

- a. The Permittee shall maintain onsite the following records: *[AQR 12.5.2.6(d)(2)]*
 - i. propane delivery receipts for the two Weather-Rite spray booth heaters (EUs: C003 and C004);
 - ii. dates and time when visible emissions checks are taken and the steps taken to make any necessary corrections to bring opacity into compliance; and
- b. The Permittee shall maintain onsite monthly and each consecutive twelve month total of combined consumption of propane fuel, in gallons, for the two Weather-Rite spray booth heaters (EUs: C003 and C004). *[AQR 12.5.2.6(d)(4)]*

C. INTERNAL COMBUSTION UNITS

1. Emission Units

- a. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Tables III-C-1. [AQR 12.5.2.3 and NSR ATC (June 4, 2012), Section IV-C, Condition 1(a)]

Table III-C-1: Internal Combustion Units Not Subject to a Fuel Cap

| EU | Description | Manufacturer | Rating | Model # | Serial # | Loc |
|------|--|--------------|--------|---------------|-------------------|--------------|
| G016 | Genset – Emergency | Onan | 350 kW | DFEG-6151105 | A080149168 | Bldg. 64 |
| | Engine – Diesel; DOM: 2007 | Cummins | 755 hp | | | |
| G003 | Genset – Emergency | Onan | 80 kW | DGDA-5627785 | G030520964 | Bldg. 83 |
| | Engine – Diesel; DOM: 2003 | Cummins | 170 hp | | | |
| G117 | Genset – Emergency | Cummins | 470 hp | DQHAB | K090067670 | Bldg. 85 |
| | Engine – Diesel; DOM: 2009 | | | | | |
| G005 | Genset – Emergency | Onan | 125 kW | DSGAB7514940 | L080224037 | Bldg. 89 |
| | Engine – Diesel; DOM: 2008 | Cummins | 250 hp | | | |
| G006 | Genset – Emergency | Onan | 60 kW | DSFAD-2710150 | A100080581 | Bldg. 91 |
| | Engine – Diesel; DOM: 11/2009 | Cummins | 145 hp | | | |
| G004 | Genset – Emergency | Onan | 150 kW | DGFA-5690291 | H040680602 | Bldg. 93 |
| | Engine – Diesel; DOM: 2004 | Cummins | 277 hp | | | |
| G148 | Genset – Emergency | Cummins | 100 kW | DSGAA-6657732 | B110192988 | Bldg. 104 |
| | Engine – Diesel; DOM: 2011 | | 250 hp | | | |
| G130 | Fire Pump | Clarke | 175 hp | JU6H-UFM8 | PE6068T733 372 | Bldg. 120 |
| | Engine – Diesel; DOM: 2008 | John Deere | | | | |
| G131 | Fire Pump | Clarke | 175 hp | JU6H-UFM8 | PE6068T733 460 | Bldg. 120 |
| | Engine – Diesel; DOM: 2008 | John Deere | | | | |
| G058 | Genset – Emergency | Generac | 25 kW | 5263390100 | 2082896 | Bldg. 222 |
| | Engine – Diesel Conforms to 2004 EPA Standards | John Deere | 36 hp | | | |
| G160 | Genset – Emergency | Cummins | 30 kW | C30D6 | TBD | Bldg. 231 |
| | Engine – Diesel; DOM: 2015 | | 69 hp | | | |
| G125 | Genset – Emergency | Onan | 7.5 kW | DNAC-5664666 | B048601622 | Bldg. 279 |
| | Engine – Diesel; DOM: 2005 | Cummins | 14 hp | | | |
| G126 | Genset – Emergency | Cummins | 7.5 kW | DNAC-5664666 | B048601621 | Bldg. 279 |
| | Engine – Diesel; DOM: 2006 | Onan | 14 hp | | | |
| G135 | Genset – Emergency | Detroit | 40 kW | 40DSEJB | 2136904 | |

| EU | Description | Manufacturer | Rating | Model # | Serial # | Loc |
|------|---|--------------|----------|-------------------|-----------------------|---------------|
| | Engine – Diesel; DOM: 2006 | John Deere | 54 hp | | | Bldg. 279 |
| G162 | Genset – Emergency | Cummins | 300 kW | 300DQHAB | K150889886 | Bldg. 703 |
| | Engine – Diesel; DOM: 2015 | | 470 hp | | | |
| G013 | Genset – Emergency | Cummins | 150 kW | DSHAA-5754455 | C060894365 | Bldg. 707 |
| | Engine – Diesel; DOM: 02/2006 | | 331 hp | | | |
| G014 | Genset – Emergency | Cummins | 300 kW | DQHAB- 5940835 | K070135033 | Bldg. 718 |
| | Engine – Diesel; DOM: 11/2007 | | 431 hp | | | |
| G015 | Genset – Emergency | Caterpillar | 400 kW | LC6 | G6B00485 | Bldg. 718 |
| | Engine – Diesel; DOM: 2005 | | 610 hp | | | |
| G017 | Genset – Emergency | Cummins | 750 kW | DQFAA-2427029 | L090075224 | Bldg. 718 |
| | Engine – Diesel; Conforms to 2010 EPA standards | | 1,490 hp | | | |
| G133 | Fire Pump | Clarke | 183 hp | JU6H-UF58 | PE6068T665 693 | Bldg. 719 |
| | Engine – Diesel; DOM: 2007 | John Deere | | | | |
| G134 | Fire Pump | Clarke | 183 hp | JU6H-UF58 | PE6068T665 699 | Bldg. 719 |
| | Engine – Diesel; DOM: 2007 | John Deere | | | | |
| G145 | Genset – Emergency | Onan | 7.5 kW | DNAC-5664495 | B048598967 | Bldg. 791 |
| | Engine – Diesel; DOM: 2007 | Cummins | 14 hp | | | |
| G146 | Genset – Emergency | Onan | 7.5 kW | DNAC-5664495 | B048598968 | Bldg. 792 |
| | Engine – Diesel; DOM: 2007 | Cummins | 14 hp | | | |
| G151 | Fire Pump | Clarke | 315 hp | 6090HFC47AB | RG6090L100 155 | Bldg. 799 |
| | Engine – Diesel; DOM: 2010 | John Deere | | | | |
| G152 | Fire Pump | Clarke | 315 hp | 6090HFC47AB | RG6090L100 152 | Bldg. 799 |
| | Engine – Diesel; DOM: 2010 | John Deere | | | | |
| G124 | Genset – Emergency | Caterpillar | 120 kW | D100-6 | CAT00C44E D4B01775 | Bldg. 820 |
| | Engine – Diesel; DOM: 2010 | | 220 hp | | | |
| G127 | Genset – Emergency | Cummins | 150 kW | DSHAA-6174070 | A080147422 | Bldg. 1000 |
| | Engine – Diesel; DOM: 2007 | | 364 hp | | | |
| G149 | Genset – Emergency | Cummins | 250 kW | DQDAA-8362897 | K110268075 | Bldg. 1000 |
| | Engine – Diesel; DOM: 2011 | | 298 hp | | | |
| G019 | Genset – Emergency | Onan | 300 kW | DFCB-5694768 | K040711736 | Bldg. 1001 |
| | Engine – Diesel; DOM: 2004 | Cummins | 465 hp | | | |
| G020 | Fire Pump | Clarke | 207 hp | JU6H-UFMO | PE6068T546 292 | Bldg. 1001 |
| | Engine – Diesel; DOM: 02/2006 | John Deere | | | | |
| G021 | Fire Pump | Clarke | 207 hp | JU6H-UFMO | | |

| EU | Description | Manufacturer | Rating | Model # | Serial # | Loc |
|------|------------------------------------|---|----------|-------------------|---------------------|------------------------|
| | Engine – Diesel; DOM: 2004 | John Deere | | | PE6068T547 193 | Bldg. 1001 |
| G022 | Fire Pump | Clarke | 207 hp | JU6H-UFMO | PE6068T547 200 | Bldg. 1001 |
| | Engine – Diesel; DOM: 02/2006 | John Deere | | | | |
| G150 | Genset – Emergency | Cummins | 80 kW | DSFAE- 1201483 | D120322250 | Bldg. 1004 |
| | Engine – Diesel; DOM: 04/2012 | | 145 hp | | | |
| G057 | Genset – Emergency | Cummins | 2,180 kW | DQKAA- 5936750 | J070113763 | Bldg. 1005 |
| | Engine – Diesel DOM: 2007 | | 2,953 hp | | | |
| G028 | Genset – Emergency | Cummins | 600 kW | DQCA5770477 | 00314880 | Bldg. 1007/ 1008 |
| | Engine – Diesel; DOM: 03/2006 | | 1,200 hp | | | |
| G118 | Genset – Emergency | Cummins | 1,500 kW | DQGAB- 4902071 | 33181757 | Bldg. 1009 |
| | Engine – Diesel; DOM: 06/2010 | | 2,220 hp | | | |
| G136 | Genset – Emergency DOM: 01/2011 | Cummins | 350 kW | DFEG-6195497 | L100178507 | Bldg. 1011 |
| | Engine – Diesel; DOM: 12/2010 | | 755 hp | | | |
| G137 | Genset – Emergency | Cummins | 125kW | DSHAE6748751 | A080152619 | Bldg. 1019 |
| | Engine – Diesel; DOM: 2008 | | 364 hp | | | |
| G138 | Genset – Emergency | Cummins | 300 kW | DQHAB7235958 | I080206592 | Bldg. 1022 |
| | Engine – Diesel; DOM: 08/2008 | | 470 hp | | | |
| G157 | Genset – Emergency | Cummins | 40 kW | DGHCC- 1322028 | B130462367 | Bldg. 1032 |
| | Engine – Diesel; DOM: 09/2012 | | 69 hp | | | |
| G140 | Genset – Emergency | Onan | 35 kW | DGBB5689864 | H040679901 | Bldg. 1050 |
| | Engine – Diesel; DOM: 2004 | Cummins | 68 hp | | | |
| G123 | Genset – Emergency | Cummins | 125 kW | DSGAB4507043 | D100116376 | Bldg. 1052 |
| | Engine – Diesel; DOM: 04/2010 | | 250 hp | | | |
| G156 | Genset – Emergency | MTU (Magnamax/ Marathon Elect) | 900 kW | 900RXC6DT2 | 357380-1-1- 0313 | Bldg. 1055 |
| | Engine – Diesel; DOM: 03/2013 | MTU-DD Detroit Diesel | 1,354 hp | | | |
| G139 | Genset – Emergency | Cummins | 35 kW | DGGD5628067 | G030523428 | Bldg. 1078 |
| | Engine – Diesel; DOM: 2003 | | 56 hp | | | |
| G159 | Genset – Emergency | Cummins | 1,250 kW | DQGAA- 1217643 | 25383751 | Bldg. 1130 |
| | Engine – Diesel; DOM: 2013 | | 2,220 hp | | | |
| G158 | Genset – Emergency | Cummins | 250 kW | DSGAE- 1336099 | 73568652 | Bldg. 1150 |
| | Engine – Diesel; DOM: 08/2013 | | 324 hp | | | |

| EU | Description | Manufacturer | Rating | Model # | Serial # | Loc |
|------|----------------------------------|--------------|---------|------------------------|-----------------------|---------------------------------|
| G142 | Genset – Emergency | Cummins | 200 kW | DSHAC5770629 | H060964339 | Bldg. 1210 |
| | Engine – Diesel; DOM: 07/2006 | | 364 hp | | | |
| G153 | Genset – Emergency | Cummins | 80 kW | DSFAE- 7563802 | 46975118 | Bldg. 2265 |
| | Engine – Diesel; DOM: 2009 | | 132 hp | | | |
| G154 | Genset – Emergency | Cummins | 80 kW | DSFAE- 7591952 | B090231997 | Bldg. 2265 |
| | Engine – Diesel; DOM: 2009 | | 132 hp | | | |
| G025 | Fire Pump | Clarke | 51 hp | 4045DFR120 | PE4045D660 770 | Bldg. 2417 |
| | Engine – Diesel; DOM: 06/2007 | John Deere | | | | |
| G026 | Fire Pump | Cummins | 130 hp | 6BTA5.9F2 | 4476910 | Bldg. 3922 |
| | Engine – Diesel; DOM: 1992 | | | | | |
| G143 | Genset – Emergency | Cummins | 35 kW | DGGD5962267 | A080142386 | Bldg. 3925 |
| | Engine – Diesel; DOM: 10/2007 | | 81 hp | | | |
| G027 | Genset – Emergency | Cummins | 125 kW | DGDK5784942 | A070007980 | Bldg. 3951 |
| | Engine – Diesel; DOM: 08/2006 | | 207 hp | | | |
| G059 | Aircraft Arrestor | Deutz | 64.5 hp | F4L2011 | 1085894 | North east Barrier Pit |
| | Engine – Diesel; DOM: 2005 | | | | | |
| G060 | Aircraft Arrestor | Wisconsin | 65 hp | V-465D1 | 6154912 | North west Barrier Pit |
| | Engine – Gasoline; DOM: 2005 | | | | | |
| G061 | Aircraft Arrestor | Deutz | 64.5 hp | F4L2011 | 01065678 | South east Barrier Pit |
| | Engine – Diesel; DOM: 2005 | | | | | |
| G062 | Aircraft Arrestor | Wisconsin | 65 hp | V-465D1 | 6138728 | South west Barrier Pit |
| | Engine – Gasoline; DOM: 2007 | | | | | |
| G141 | Genset – Emergency | Caterpillar | 13 kW | D13-4 | CAT00000C GBD00299 | South west Barrier Pit |
| | Engine – Diesel; DOM: 2010 | | 20 hp | | | |
| G066 | Genset | Onan | 15 kW | DKAC5774803 | I060971876 | 62UOC |
| | Engine – Diesel; DOM: 09/2006 | Kubota | 27 hp | | | |
| B001 | Generator – Crusher | | 335 hp | Ultra Max1200- 25CC | 22778X | Rock Crusher |
| | Engine – Diesel | | | | | |

- b. The stationary source covered by this Part 70 OP includes the internal combustion units that may be exchanged as deemed necessary for international deployment for national security reasons. These units are subject to a fuel cap as summarized in Table III-C-2. [AQR 12.5.2.3 and NSR ATC (June 4, 2012), Section IV-C, Condition 1(a)]

Table III-C-2: Internal Combustion Units that are subject to a Fuel Cap

| EU | Location | Maximum Number of Units | Maximum hp per Unit | Maximum Yearly Fuel Consumption |
|------|-----------------------------------|-------------------------|---------------------|---------------------------------|
| NTTR | Age/Creech AFB/ Southern Range | 100 | 600 | 280,000 gallons |

2. 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. *[NSR MSP (October 30, 2010), Section VI-B, Condition 1(a)]*
- b. The Permittee shall operate the fire pumps in compliance with the emission standards set forth in Table 4 of 40 CFR 60 Subpart IIII for the same model year and maximum engine power. The emission standards are provided in Table III-C-3 (EUs: G020, G025, G130, G131, G133, G134, G151 and G152). *[40 CFR 60.4205(c)]*

Table III-C-3: Emission Standards for Diesel-Powered Fire Pumps

| Engine Power | Model Year(s) | NMHC + NO _x | CO | PM |
|--------------|------------------|------------------------|-------------|--------------|
| 25≤HP<50 | 2010 and earlier | 7.1 g/hp-hr | 4.1 g/hp-hr | 0.60 g/hp-hr |
| 50≤HP<75 | 2010 and earlier | 7.8 g/hp-hr | 3.7 g/hp-hr | 0.60 g/hp-hr |
| 100≤HP<175 | 2009 and earlier | 7.8 g/hp-hr | 3.7 g/hp-hr | 0.60 g/hp-hr |
| 175≤HP<300 | 2008 and earlier | 7.8 g/hp-hr | 2.6 g/hp-hr | 0.40 g/hp-hr |
| 300≤HP<600 | 2009 and later | 3.0 g/hp-hr | 2.6 g/hp-hr | 0.15 g/hp-hr |

- c. The Permittee shall operate the diesel engines in compliance with the emission standards set forth in 40 CFR 89.112 and 40 CFR 89.113 for new nonroad CI engines for the same model year and maximum engine power. The emission standards are provided in Table III-C-4 (EUs: G005, G006, G016, G027, G028, G057, G066, G117, G118, G123, G124, G126, G136 through G138, G141, G142, G143, G145, G146, G148 through G154, and G156 through G162). *[40 CFR 60.4205(a)]*

Table III-C-4: Emission Standards for Emergency Diesel Engines

| Engine Power | Model Year(s) | NMHC + NO _x | CO | PM | HC |
|--------------|---------------|--------------------------------|-------------|--------------|-------------|
| 11≤HP<25 | pre-2007 | 7.1 g/hp-hr | 4.9 g/hp-hr | 0.60 g/hp-hr | N/A |
| 11≤HP<25 | 2007 | 5.6 g/hp-hr | 4.9 g/hp-hr | 0.60 g/hp-hr | N/A |
| 11≤HP<25 | 2008+ | 5.6 g/hp-hr | 4.9 g/hp-hr | 0.30 g/hp-hr | N/A |
| 25≤HP≤50 | Pre-2007 | 7.1 g/hp-hr | 4.1 g/hp-hr | 0.60 g/hp-hr | N/A |
| 50≤HP<100 | 2008+ | 3.5 g/hp-hr | 3.7 g/hp-hr | 0.30 g/hp-hr | N/A |
| 100≤HP<175 | pre-2007 | 6.9 g/hp-hr (NO _x) | N/A | N/A | N/A |
| 100≤HP<175 | 2007+ | 3.0 g/hp-hr | 3.7 g/hp-hr | 0.22 g/hp-hr | N/A |
| 175≤HP<300 | pre-2007 | 6.9 g/hp-hr (NO _x) | 8.5 g/hp-hr | 0.40 g/hp-hr | 1.0 g/hp-hr |
| 175≤HP<300 | 2007+ | 3.0 g/hp-hr | 2.6 g/hp-hr | 0.15 g/hp-hr | N/A |
| 300≤HP<600 | Pre-2007 | 6.9 g/hp-hr (NO _x) | 8.5 g/hp-hr | 0.40 g/hp-hr | 1.0 g/hp-hr |
| 300≤HP<600 | 2007+ | 3.0 g/hp-hr | 2.6 g/hp-hr | 0.15 g/hp-hr | N/A |
| >560 HP | 2007+ | 4.8 g/hp-hr | 2.6 g/hp-hr | 0.15 g/hp-hr | N/A |

- d. The Permittee shall operate the diesel-powered non-emergency generator in compliance with the emission standards set forth in Table 2d of 40 CFR 63 Subpart ZZZZ for the maximum engine power. The emission standards are provided in Table III-C-5 (EU: B001). [40 CFR 63.6640]

Table III-C-5: Emission Standards for non-Emergency Diesel Engines

| Engine Power | CO |
|--------------|---|
| 300≤HP<500 | Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd at 15 percent O ₂ or reduce CO emissions by 70 percent or more. |

- e. The Permittee shall adhere to the emission limitation requirements for all engines, operated under the fuel cap, that the Permittee identifies as being subject to the requirements of 40 CFR 60, Subpart IIII or 40 CFR 63, Subpart ZZZZ. [NSR ATC (June 4, 2012), Section IV-C, Condition 2(f)]

3. Production Limits

- a. The Permittee shall limit operation of engines associated with each fire pump and emergency generator, subject to the requirements of 40 CFR 60 Subpart IIII, to 100 hours per year for testing and maintenance. 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 to generate income for the facility. (EUs: G005, G006, G016, G014, G017, G025, G027, G028, G057, G117, G118, G123, G124, G126, G127, G130, G131, G133, G134, G136 through G138, G141, G142, G143, G145, G146, G148 through G154, and G156 through G162). [40 CFR 60.4211(e)]
- b. The Permittee shall limit operation of each fire pump and emergency generator, subject to the requirements of 40 CFR 63 Subpart ZZZZ, to 100 hours per year for testing and maintenance. The Permittee may operate the 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 to generate income for the facility. (EUs: G003, G004, G013, G015, G019, through G022, G026, G058, G125, G135, G139, and G140). [40 CFR 63.6640(f)]
- c. The Permittee shall limit operation of each aircraft arrestor to 500 hours per any consecutive twelve month period (EUs: G059 through G062). [NSR ATC (June 4, 2012), Section IV-C, Condition 3(g)]
- d. The Permittee shall limit the operation of the Ultra Max continuous duty diesel-powered generator to 2,080 hours per any consecutive twelve month period (EU: B001). [NSR MSP (October 30, 2010), Section VI-B, Condition 2(l)]
- e. The Permittee shall limit the operation of the Urban Operations Complex (UOC) continuous duty generator to 2,000 hours per any consecutive twelve month period (EU: G066). [AQR 12.5.2.6(a)]

- f. The Permittee shall limit the combined total diesel fuel consumption for engines operated on the NTTR to a maximum of 280,000 gallons per any consecutive twelve month period. *[NSR ATC (June 4, 2012), Section IV-C, Condition 3(f)]*
- g. The Permittee shall limit the total number of engines operated on the NTTR to one hundred units at all times. *[NSR ATC (June 4, 2012), Section IV-C, Condition 3(g)]*
- h. The Permittee shall not operate any engine on the NTTR that exceeds 600 hp. *[NSR ATC (June 4, 2012), Section IV-C, Condition 3(h)]*

4. Emission Controls

- a. The Permittee shall operate all diesel-powered generators and fire pumps greater than, or equal to, 100 hp with turbochargers and aftercoolers (EUs: G004, G005, G006, G013 through G017, G019, G020, G021, G022, G026, G027, G028, G057, G117, G118, G123, G124, G127, G130, G131, G133, G134, G136, G137, G138, G142, G148 through G154, G156, G158, G159, G162, and B001). *[NSR ATC (June 4, 2012), Section IV-C, Condition 4(a)]*
- b. The Permittee shall operate and maintain all generators in accordance with the Air Force Technical Order governing generators. All diesel-powered generators and fire pumps shall combust only low sulfur (<0.05 percent) diesel fuel or jet fuel. *[NSR MSP (October 30, 2010), Section VI-B, Condition 3(d)]*
- c. The Permittee shall combust only gasoline in the two aircraft arrestors (EUs: G060 and G062). *[NSR MSP (October 30, 2010), Section VI-B, Condition 3(e)]*
- d. The Permittee shall not discharge from any source whatsoever quantities of air contaminants or other material which cause a nuisance. *[AQR 40]*

5. Monitoring

- a. 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 generator, fire pump, and aircraft arrestor. *[AQR 12.5.2.6(d)(1)]*
- b. The Permittee shall demonstrate compliance with the provisions of 40 CFR 60 Subpart IIII contained within this document through all of the following: *[40 CFR 60.4209]*
 - 1. Operation of the diesel engines according to the manufacturer's written instructions or procedures developed by the Permittee that are more stringent than the manufacturer's instructions;

2. The keeping of records of the purchase of an engine certified according to 40 CFR 89/94 OR the keeping of records of performance test results for each pollutant for a test conducted on a similar engine OR the keeping of records of engine manufacturer data indicating compliance with the emission standards OR the keeping of records of control device vendor data indicating compliance with the emission standards OR the keeping of records of an initial performance test used to demonstrate compliance with the emission standards; and
 3. The installation of a non-resettable hour meter.
- c. The Permittee shall demonstrate compliance with the provisions of 40 CFR 63, Subpart ZZZZ for all applicable diesel engines identified within this document through all of the following:
1. Non-emergency engines between 300 - 499 horsepower (EU: B001): *[40 CFR 63.6640]*
 - i. limit concentration of CO in the exhaust to 49 ppmvd at 15 percent oxygen; or reduce CO emissions by 70 percent or more;
 - ii. install closed crankcase ventilation system that prevents crankcase emissions to the atmosphere;
 - iii. install an open crankcase or install filtration emission control system that reduces emissions by filtering to remove oil mist, particulates, and metals; and
 - iv. follow manufacturer's maintenance requirements for operating and maintaining the crankcase ventilations systems and replacing the crankcase filters.
 2. All emergency engines (EUs: G003, G004, G013, G015, G019, G020, G021, G022, G026, G058, G135, G139, and G140). *[40 CFR 63.6640]*
 - i. change oil and filter every 500 hours of operation or annually, whichever comes first. The Permittee may utilize an oil analysis program, as described in 40 CFR 63.6625(i), to extend the specified oil-change requirement. Pursuant to 40 CFR 63.6(g), the Permittee can petition the Control Officer for alternative work practices;
 - ii. inspect air cleaner every 1000 hours of operation or annually, whichever comes first;
 - iii. inspect all hoses and belts every 500 hours of operation or annually, whichever comes first;
 - iv. follow manufacturer's operation and maintenance instructions; or implement a maintenance plan which must provide, to the extent practicable, for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions; and
 - v. install a non-resettable hour meter.

- d. The Permittee shall demonstrate compliance with the emission limits for the NTTR by maintaining records of the hourly operation of each RICE unit. The reported actual emissions shall be based on appropriate emission factors and actual operation for each unit, except those units that are subject to a fuel cap. [AQR 12.5.2.6(d)(1)]
- e. The Permittee shall label all engines that meet the exemption criteria for national security. [40 CFR 1068.225]
- f. The Permittee shall demonstrate compliance with the fuel consumption limit by maintaining records of all fuel drops to each generator located on the NTTR. [AQR 12.5.2.6(d)(1)]
- g. The Permittee shall conduct a visible emissions check on the exhaust stack of each generator, while it is operating. At a minimum, visible emission observations shall be conducted at semi-annual intervals. Corrective action shall be immediately taken to correct causes of fugitive emissions in excess of allowable opacity limit. [AQR 12.5.2.6(d)(1)]
- h. If the observer, during the visible emissions check, does not see any plume that, on an instantaneous basis, appears to exceed the opacity standard, then the observer shall keep a record of the name of the observer, the date on which the observation was made, the location, and the results of the observation. [AQR 12.5.2.6(d)(1)]
- i. If the observer sees a plume that, on an instantaneous basis, appears to exceed the opacity standard, then the Permittee shall: [AQR 12.5.2.6(d)(1)]
 - i. take immediate action to correct causes of fugitive/stack emissions that appear to exceed allowable opacity limits; or
 - ii. if practical, have a certified VE observer take an EPA Method 9 observation of the plume and record the results, and take immediate action to correct causes of fugitive emissions in excess of allowable opacity limits in accordance with 40 CFR 60 Appendix A: Reference Method 9.
- j. If Method 9 readings cannot be obtained, the observer shall also indicate in the log:
 - a) the reason why a Method 9 could not be performed, b) the color of the emissions, c) whether the emissions were light or heavy, d) the cause of the abnormal emissions, and e) any corrective action taken. [AQR 12.5.2.6(d)(1)]
- k. Visible emissions observations do not require a certified VE observer, except where visible emissions appear to exceed the allowable opacity limit and exceed 30 seconds in duration. [AQR 12.5.2.6(d)(1)]
- l. All opacity observations that require observation with EPA Method 9 shall be performed by observers that hold a valid Visible Emissions (VE) certificate. [AQR 12.5.2.6(d)(1)]

6. Testing

- a. Initial performance testing on the diesel engines subject to 40 CFR 60 Subpart IIII may be required by the Control Officer to demonstrate compliance with the emission limits set forth in the regulations. [AQR 4.5]

7. Recordkeeping

- a. The Permittee shall maintain onsite the following records: *[AQR 12.5.2.6(d)(2)]*
 - i. dates and time when visible emissions checks are taken and the steps taken to make any necessary corrections to bring opacity into compliance;
 - ii. equipment inspections and maintenance;
 - iii. records of the make, model, and horsepower rating of all engines operated on the Main Base and the NTTR that are part of the fuel cap;
 - iv. records of all engines, operated under the fuel cap, that are subject to the requirements of 40 CFR 60, Subpart IIII and 40 CFR 63, Subpart ZZZZ;
 - v. Records of all engines that meet the national security exemption criteria, as specified in 40 CFR 1068, Subpart C.
 - vi. records of hourly operations of engines listed in III-C-7(a)(iii);
 - vii. sulfur content and cetane index or aromatic content of diesel fuel;
 - viii. manufacturer's engine data showing compliance with the emission standards (if this method is used to demonstrate compliance in accordance with Section III-C-2(b); and
 - ix. performance test results.
- b. The Permittee shall maintain the following onsite records for reporting in accordance with Section II of this permit. *[AQR 12.5.2.6(d)(4)]*
 - i. monthly and each consecutive twelve month total hours of operation for each emission unit that has an operational limit (EUs: G059 through G062);
 - ii. date and duration of operation of emergency generators for testing and maintenance, and separately for emergencies;
 - iii. gallons of diesel fuel consumed for generators under fuel cap;
 - iv. excess emissions and malfunctions;
 - v. audit results and corrective actions as required by 40 CFR 60 Appendix F; and

D. MINERAL PROCESSING

1. Emission Units

- a. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table III-D-1. *[AQR 12.5.2.3 and NSR – ATC (June 4, 2012), Section IV-D, Condition 1(a)]*

Table III-D-1: Aggregate Plant Emission Units

| EU | Description | Model No. | Serial No. |
|------|---|---------------------|------------|
| A001 | Material Transfer: Loader to Hopper | | |
| A003 | Portable Self-Contained Mineral Processing Unit. Includes Hopper, Crusher, Screen, and Four Conveyors | Ultra-Max 1200-25CC | 22778X |
| A015 | Storage Piles; 2.0 acres | | |
| A016 | Haul Road; Unpaved; Round Trip = 8.0 miles | | |
| A017 | Truck Unloading | | |
| B001 | Eagle Diesel-Powered Generator | Ultra-Max 1200-25CC | 22778X |

2. 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 26.1.1]*

3. Production Limits

- a. The Permittee shall limit the throughput of stone crushing operation to 520,000 tons in any consecutive twelve month period. *[NSR MSP (October 30, 2010), Section VII-B, Condition 2(b)]*
- b. The Permittee shall not exceed 2.0 acres of total stockpile area at any given time (EU: A015). *[AQR 12.5.2.6(a)]*
- c. The Permittee shall not exceed 23,112 VMT per year for activities associated with mineral processing operations on unpaved roads (EU: A016). *[AQR 12.5.2.6(a)]*

4. Emission Controls

- a. 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 facility. The Control Officer may at any time require additional water sprays or other controls at pertinent locations if an inspection indicates that opacity limits are being exceeded. *[NSR MSP (October 30, 2010), Section VII-B, Condition 3(a)]*
- b. The Permittee shall not cause or allow fugitive dust to become airborne without taking reasonable precautions. *[NSR MSP (October 30, 2010), Section VII-B, Condition 3(b)]*
- c. 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. *[NSR MSP (October 30, 2010), Section VII-B, Condition 3(c)]*

- d. 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 opacity greater than 20 percent. *[NSR MSP (October 30, 2010), Section VII-B, Condition 3(d)]*
- e. The Permittee shall treat unpaved roads accessing or located on the site with chemical or organic dust suppressant and/or watered as necessary, or pave, or gravel, or have an alternate, Control Officer approved, control measure applied, so as not to exhibit opacity greater than 20 percent. *[NSR MSP (October 30, 2010), Section VII-B, Condition 3(e)]*
- f. The Permittee shall not allow mud or dirt to be tracked out onto a paved road where such mud or dirt extends 50 feet or more in cumulative length from the point of origin and/or allow any track out to accumulate to a depth greater than 0.25 inches. Notwithstanding the preceding, all accumulations of mud or dirt on curbs, gutters, sidewalks or paved roads including track out less than 50 feet in length and/or less than 0.25 inches in depth, shall be cleaned of all observable deposits and maintained to eliminate emissions of fugitive dust. *[NSR MSP (October 30, 2010), Section VII-B, Condition 3(f)]*
- g. The Permittee shall ensure that all loaded trucks, regardless of ownership, shall be properly covered, when they leave the site (NTTR), to prevent visible emissions. *[NSR MSP (October 30, 2010), Section VII-B, Condition 3(g)]*
- h. The Permittee shall not exhibit fugitive emissions with an average opacity in excess of 12 percent, based on the average of five 6-minute averages, from crushers that commenced construction, modification or reconstruction after April 22, 2008. *[40 CFR 60.672(b)]*
- i. The Permittee shall not exhibit fugitive emissions with opacity in excess of 7 percent, based on the average of five 6-minute averages, from screens, conveyors and transfer points that commenced construction, modification or reconstruction after April 22, 2008. *[40 CFR 60.672(b)]*
- j. The Permittee shall maintain the water spray system in good operating condition, as verified by a monthly inspection, and be used at all times during the processing of the material. This shall include but not be limited to crushing, screening, transfer points, drop points and stacker points excluding washed product processing. *[40 CFR 60.674(b)]*
- k. The Permittee shall maintain fugitive dust emissions from all emission units, not elsewhere classified, to exhibit an average opacity, not to exceed 20 percent, as determined by conducting observations in accordance with EPA Method 9. *[NSR MSP (October 30, 2010), Section VII-D, Condition 3(k)]*

- i. The Permittee shall, where a stationary source or a portion thereof, is to be closed or idled for a period of 30 days or more, the Permittee shall implement long-term stabilization of disturbed areas within ten 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, denying unauthorized access or other effective control measure to prevent fugitive dust from becoming airborne. *[NSR MSP (October 30, 2010), Section VII-B, Condition 3(p)]*

5. Monitoring

- a. The Permittee shall monitor the tonnage of material processed and calculate, on a monthly basis, the throughputs as consecutive twelve month totals. *[AQR 12.5.2.6(d)(1)]*
- b. The Permittee is required to comply with the applicable compliance demonstration requirements of 40 CFR 60, Subpart OOO: *[40 CFR 60.674]*
 - i. perform monthly periodic inspections, if in operation during the month, to check that water is flowing to discharge spray nozzles; and
 - ii. initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during inspection.
- c. The Permittee shall conduct a daily visible emissions check for visible emissions from the facility while it is in operation. *[AQR 12.5.2.6(d)(1)]*
- d. If the observer, during the visible emissions check, does not see any plume that, on an instantaneous basis, appears to exceed the opacity standard, then the observer shall keep a record of the name of the observer, the date on which the observation was made, the location, and the results of the observation. *[AQR 12.5.2.6(d)(1)]*
- e. If the observer sees a plume that, on an instantaneous basis, appears to exceed the opacity standard, then the Permittee shall: *[AQR 12.5.2.6(d)(1)]*
 - i. take immediate action to correct causes of fugitive/stack emissions that appear to exceed allowable opacity limits; or
 - ii. if practical, have a certified VE observer take an EPA Method 9 observation of the plume and record the results, and take immediate action to correct causes of fugitive emissions in excess of allowable opacity limits in accordance with 40 CFR 60 Appendix A: Reference Method 9.
- f. If Method 9 readings cannot be obtained, the observer shall also indicate in the log: a) the color of the emissions, b) whether the emissions were light or heavy, c) the cause of the abnormal emissions, and d) any corrective action taken. *[AQR 12.5.2.6(d)(1)]*
- g. Visible emissions checks do not require a certified VE observer, except where visible emissions appear to exceed the allowable opacity limit and exceed 30 seconds in duration, and an EPA Method 9 observation is made to establish it does not exceed the standard. *[AQR 12.5.2.6(d)(1)]*

- h. Compliance with the opacity limitation shall be demonstrated by maintaining a log showing at least, the dates and time when observations are taken and the steps taken to make any needed corrections to bring opacity into compliance. *[AQR 12.5.2.6(d)(1)]*
- i. On-site personnel shall regularly observe operations and investigate any occurrence of visible fugitive dust. Corrective action shall be immediately taken to correct causes of fugitive dust in excess of allowable opacity limits. *[AQR 12.5.2.6(d)(1)]*
- j. All opacity observations that require compliance with EPA Method 9 shall be performed by observers that hold a valid Visible Emissions (VE) certificate. *[AQR 12.5.2.6(d)(1)]*
- k. 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: *[AQR 12.5.2.6(d)(1)]*
 - i. 40 CFR 60 Reference Method 9 (Standards for Opacity); or
 - ii. The test method set forth in AQR Subsection 94.12.4: Instantaneous Method.

6. Testing

- a. The Permittee is required to comply with the applicable performance testing requirements of 40 CFR 60, Subpart OOO. *[AQR 12.5.2.6(d)]*
- b. Initial performance tests (Method 9) shall be conducted within 60 days after achieving the maximum production rate at which the facility will be operated but no later than 180 days after initial startup. *[40 CFR 60.672(b)]*
- c. The Control Officer may require additional performance testing to demonstrate compliance with emission limitations outlined in this permit. *[AQR 4.5]*

7. Recordkeeping

- a. The Permittee shall maintain onsite the following records: *[AQR 12.5.2.6(d)(2)]*
 - i. opacity observations, with date and time of observation and any corrective action that was required;
 - ii. equipment inspections, maintenance and repair;
 - iii. dust control measures applied to unpaved roads and vacant areas;
 - iv. sulfur content of diesel fuel used in the diesel engine;
 - v. inspections of water spray system;
 - vi. length of haul roads; and
 - vii. performance test results.
- b. The Permittee shall maintain onsite the following records for reporting: *[AQR 12.5.2.6(d)(4)]*
 - i. Monthly, consecutive twelve month total of material excavated and/or passed through the rock crusher and screen;

- ii. Monthly, consecutive twelve month total of vehicle miles traveled on haul roads;
- iii. excess emissions and malfunctions, including actions taken to remedy the conditions;
- iv. monthly and each consecutive twelve month total hours of operation for each emission unit that has an operational limit (B001); and

E. SURFACE COATING

1. Emission Units

- a. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table III-E-1. [AQR 12.5.2.3 and NSR – ATC (June 4, 2012), Section IV-E, Condition 1(a)]

Table III-E-1: Emission Units, Surface Coating and Media Blasting¹

| EU | Description | Manufacturer | Model # | Serial # | Location |
|-------------------|---|----------------------------|-------------------|----------|------------|
| C001 | Spray Booth; 20.0' x 22.0' x 62.5' L | DeVilbis | | | Bldg. 230 |
| C002 | Spray Booth; 34' W x 43' L x 20' H | Global Finishing Solutions | CDW-4218PDT-24-AR | 91152B | Bldg. 1004 |
| C003 ² | Weather-Rite, Inc. Propane-Fired Spray Booth Heater; 2.916 MMBtu/hr | Weather-Rite | TOT221VT | 53748-1 | Bldg. 230 |
| C004 ² | Weather-Rite, Inc. Propane-Fired Spray Booth Heater; 2.916 MMBtu/hr | Weather-Rite | TOT221VT | 53748-2 | Bldg. 230 |

¹Media blasting and associated equipment are classified as insignificant activities for this permitting action.

²The PTE and all permitting requirements for this emission unit are described in Section III-B of this document.

2. 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 26.1.1]
- b. The Permittee shall not allow the actual yearly emissions from the surface coating operations to exceed 3.57 tons per year. [NSR MSP (October 30, 2010), Section VIII-B, Condition 1(a)]

3. Production Limits

- a. The Permittee shall limit the consumption of VOC and HAP-containing paints, basecoats, primers, reducers, thinners, solvents, etc. to 940 gallons per any consecutive twelve month period, based on a maximum VOC content of 7.49 pounds per gallon and a maximum HAP content of 5.24 pounds per gallon (EU: C001). [AQR 12.5.2.6(a)]

- b. The Permittee shall limit the consumption of VOC and HAP-containing paints, basecoats, primers, reducers, thinners, solvents, etc. to 822 gallons per any consecutive twelve month period, based on a maximum VOC content of 7.49 pounds per gallon and a HAP content of 5.24 pounds per gallon (EU: C002). [AQR 12.5.2.6(a)]

4. Emission Controls

- a. The Permittee shall operate the DeVilbiss spray booth with appropriate filter media having a particulate capture efficiency of at least 99.0 percent for exhaust air particulates. The dry filter media must cover all openings in the spray booth (EU: C001). [NSR MSP (October 30, 2010), Section VIII-B, Condition 3(a)]
- b. The Permittee shall operate the Global Finishing Solutions spray booth with appropriate filter media having a particulate capture efficiency of at least 98.0 percent for exhaust air particulates. The dry filter media must cover all openings in the spray booth (EU: C002). [NSR MSP (October 30, 2010), Section VIII-B, Condition 3(b)]
- c. The Permittee shall perform all painting in the two spray paint booths (EUs: C001 and C002) using a high-volume, low-pressure (HVLP) gun having at least 65 percent transfer efficiency. [NSR MSP (October 30, 2010), Section VIII-B, Condition 3(e)]
- d. The Permittee shall not use open containers for storage or disposal of solvent-containing cloth or paper (excluding masking tape) used for surface preparation and cleanup. [NSR MSP (October 30, 2010), Section VIII-B, Condition 3(f)]
- e. Pursuant to AQR Sections 40 and 43, 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, such as over spray or excessive odors from the spray painting operation or associated operations. [AQR 40.1]
- f. The Permittee shall employ good housekeeping practices to prevent the accumulation and/or dispersal of particulate matter from sanding and other surface preparation carried out in conjunction with surface coating operations. No more than 0.25 inches of particulate matter shall accumulate on surrounding surfaces at any time. [NSR MSP (October 30, 2010), Section VIII-B, Condition 3(h)]
- g. The Permittee shall equip the spray booths with dry filter media and shall not operate the spray booths unless all exhaust air passes through a filter media with control equivalence of two inches thick. The filters must cover all openings leading to the fan. All filters or other control equipment shall follow manufacturer's recommendations 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. [NSR MSP (October 30, 2010), Section VIII-B, Condition 3(i)]
- h. The Permittee shall clean the surface coating application equipment in an enclosed container to minimize VOC volatilization into the ambient air. [NSR MSP (October 30, 2010), Section VIII-B, Condition 3(i)]

- i. The Permittee shall insure that 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. *[NSR MSP (October 30, 2010), Section VIII-B, Condition 3(k)]*

5. Monitoring

- a. The Permittee shall monitor the pressure drop across the two spray booth filters using a manometer (or equivalent). The filters shall be replaced when the pressure drop exceeds 0.25 inches of water (6.35 millimeters of water). *[AQR 12.5.2.6(d)(1)]*
- b. The Permittee shall monitor the spray booths and all ancillary equipment 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(d)(1)]*

6. Testing

- a. No performance testing requirements have been identified for the surface coating operations at this time.

7. Recordkeeping

- a. The Permittee shall maintain onsite the following records: *[AQR 12.5.2.6(d)(2)]*
 - ii. equipment inspections, maintenance and repair; and
 - iii. MSDS or records demonstrating the VOC and HAP content of each VOC-containing compound (paints, basecoats, primers, reducers, thinners solvents);
- b. The Permittee shall maintain onsite the following records for reporting: *[AQR 12.5.2.6(d)(4)]*
 - i. records of the monthly and each consecutive twelve month total consumption (in gallons) of each VOC-containing compound (paints, basecoats, primers, reducers, thinners, solvents).

F. WOODWORKING

1. Emission Units

- a. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table III-F-1. *[AQR 12.5.2.3 and NSR ATC (June 4, 2012), Section IV-F, Condition 1(a)]*

Table III-F-1: Emission Units, Woodworking

| EU | Description | Location |
|------|--|-----------|
| H001 | Woodworking Shop: 2 Sanders; 4 Miscellaneous Pieces of Woodworking Equipment | Bldg. 231 |

2. Emission Limits

- a. The Permittee shall not allow the actual yearly emissions from the woodworking operations to exceed the calculated PTE. *[NSR MSP (October 30, 2010), Section IX-A, Condition 1(a)]*

3. Production Limits

- a. There are no enforceable production limitations for the woodworking operation. *[NSR – MSP (October 30, 2010), Section IX-B, Condition 2(a)]*

4. Emission Controls

- a. The Permittee shall maintain and operate cyclone/fabric filter baghouse used to control particulate emissions from all wood working activities in all of the woodworking shop per manufacturers’ recommendations to maintain at least 99 percent control efficiency. *[NSR MSP (October 30, 2010), Section IX-B, Condition 3(b)]*
- b. The Permittee shall employ good housekeeping practices to minimize the accumulation or dispersal of particulate matter from sanding, blasting, surface preparation, etc. carried out in conjunction with woodworking operations. *[NSR MSP (October 30, 2010), Section IX-B, Condition 3(c)]*
- c. The Permittee shall not allow visible emissions in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes from the emission unit listed in Table III-F-1. If excessive visible emissions are present, the Permittee shall cease operations producing the emissions until the problem is corrected. *[AQR 26]*
- d. The Permittee shall have on-site personnel observe operations when in use, and shall investigate any occurrence of visible fugitive dust. Corrective action shall be immediately taken to correct causes of fugitive dust in excess of allowable opacity limits. *[NSR MSP (October 30, 2010), Section IX-B, Condition 3(e)]*
- e. The Permittee shall make monthly visual inspection 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 MSP (October 30, 2010), Section IX-B, Condition 3(f)]*

- f. The Permittee shall develop and follow a preventative maintenance schedule that is consistent with the cyclone and/or fabric filter manufacturer's instructions for routine and long-term maintenance. *[NSR MSP (October 30, 2010), Section IX-B, Condition 3(g)]*
- g. 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 instructions for routine and long-term maintenance. *[NSR MSP (October 30, 2010), Section IX-B, Condition 3(h)]*

5. Monitoring

- a. The Permittee shall conduct a visible emissions check whenever a woodworking operation is performed. A visible emission check is verification that abnormal emissions are not present at the exhaust stack. Corrective action shall be immediately taken to correct causes of fugitive emissions in excess of allowable opacity limits. *[AQR 12.5.2.6(d)(1)]*
- b. If the observer, during the visible emissions check, does not see any plume that, on an instantaneous basis, appears to exceed the opacity standard, then the observer shall keep a record of the name of the observer, the date on which the observation was made, the location, and the results of the observation. *[AQR 12.5.2.6(d)(1)]*
- c. If the observer sees a plume that, on an instantaneous basis, appears to exceed the opacity standard, then the Permittee shall: *[AQR 12.5.2.6(d)(1)]*
 - i. take immediate action to correct causes of fugitive/stack emissions that appear to exceed allowable opacity limits; or
 - ii. if practical, have a certified VE observer take an EPA Method 9 observation of the plume and record the results, and take immediate action to correct causes of fugitive emissions in excess of allowable opacity limits in accordance with 40 CFR 60 Appendix A: Reference Method 9.
- d. If Method 9 readings cannot be obtained, the observer shall also indicate in the log: a) the color of the emissions, b) whether the emissions were light or heavy, c) the cause of the abnormal emissions, and d) any corrective action taken. *[AQR 12.5.2.6(d)(1)]*
- e. Visible emissions observations do not require a certified VE observer, except where visible emissions appear to exceed the allowable opacity limit and exceed 30 seconds in duration. *[AQR 12.5.2.6(d)(1)]*
- f. All opacity observations that require compliance with EPA Method 9 shall be performed by observers that hold a valid Visible Emissions (VE) certificate. *[AQR 12.5.2.6(d)(1)]*
- g. Written standards of procedure (SOP) shall be maintained and contain procedures for tracking material usage. *[AQR 12.5.2.6(d)(1)]*

6. Testing

- a. Upon request of the Control Officer, performance testing shall be conducted on the cyclones and fabric filters in accordance with 40 CFR 60 Reference Method 9 (Standards for Opacity). [AQR 4.5]

7. Recordkeeping

- a. The Permittee shall maintain onsite the following records: [AQR 12.5.2.6(d)(2)]
 - i. dates and time when visible emissions checks are taken and the steps taken to make any necessary corrections to bring opacity into compliance; and
 - ii. equipment inspections, including records of maintenance and repair.
- b. The Permittee shall maintain onsite the following records for reporting: [AQR 12.5.2.6(d)(4)]
 - i. 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;
 - ii. hours of operations of each cyclone/fabric filters used in the woodworking shops; and

G. DEGREASERS

1. Description

- a. The source operates degreasing units which are classified as insignificant units or activities. Therefore, no enforceable limits or conditions are required. [NSR ATC (June 4, 2012), Section IV-G, Condition 1(a)]

H. FUEL CELL MAINTENANCE

1. Emission Units

- a. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table III-H-1. [AQR 12.5.2.3 and NSR ATC (June 4, 2012), Section IV-H, Condition 1(a)]

Table III-H-1: Emission Units

| EU | Description | Aircraft Type | Fuel | Tank Volume per Aircraft |
|------|-----------------------|---------------|-------------------|--------------------------|
| L001 | Fuel Cell Maintenance | MQ-9 | Jet Fuel | 564 gallons |
| | | MQ-1 | Aviation Gasoline | 100 Gallons |

2. 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 26.1.1]*

3. Production Limits

- a. The Permittee shall limit the purging of fuel cells (EU: L001) to fifty (50) MQ-9 aircraft per any consecutive twelve month period. Each aircraft is equipped with four fuel cells, ranging from 31 gallons to 195 gallons (total fuel capacity, per aircraft, is 564 gallons). *[NSR MSP (October 30, 2010), Section XI-B, Condition 2(a)]*
- b. The Permittee shall limit the purging of fuel cells (EU: L001) to fifty (50) MQ-1 aircraft per any consecutive twelve month period. Each aircraft is equipped with four fuel cells, which total 100 gallons. *[AQR 12.5.2.6(a) and Application for Minor Revision (07/25/2016)]*

4. Emission Controls

- a. The Permittee shall implement good operating practices to reduce VOC emissions by proper cleanup of fuel spills and proper cleanup of rags and sponges. *[NSR MSP (October 30, 2010), Section XI-B, Condition 3(a)]*
- b. The Permittee shall have a standard operating procedures (SOP) manual for fuel cell maintenance activities. The procedures specified in the manual shall outline good operating practice with regard to the reduction of VOC emissions from this operation. *[NSR MSP (October 30, 2010), Section XI-B, Condition 3(b)]*

5. Monitoring

- a. Unless Air Quality pre-approves another emission methodology, the facility shall calculate emissions from this activity using the following equations: *[AQR 12.5.2.6(d)(1)]*

MQ-9 Aircraft

- i. lbs. of VOC = $(0.0023) \times (\text{volume of fuel cell in gallons}) \times (0.134) \times (\text{number of purges}) \times (\text{number of aircraft})$
- ii. lbs. of HAP = $(\text{lbs. of VOC}) \times (0.04247)$

MQ-1 Aircraft

- iii. lbs. of VOC = $(0.02355) \times (\text{volume of fuel cell in gallons}) \times (0.134) \times (\text{number of purges}) \times (\text{number of aircraft})$
- iv. lbs. of HAP = $(\text{lbs. of VOC}) \times (0.04247)$

6. Testing

- a. No performance testing requirements have been identified for the fuel cell maintenance operation at this time.

7. Recordkeeping

- a. The Permittee shall maintain onsite the following records: [AQR 12.5.2.6(d)(2)]
 - i. the total number of fuel cell purges, monthly and yearly, for each aircraft type;
 - ii. equipment inspections and maintenance; and
 - iii. information regarding any variables of parameters outlined in Condition III-H-5(a) for emission calculations.

I. MISCELLANEOUS CHEMICALS

1. Emission Units

- a. The stationary source covered by this Part 70 OP includes the emission units and associated appurtenances summarized in Table III-I-1. [AQR 12.5.2.3]

Table III-I-1: Emission Units

| EU | Description |
|------|--|
| M001 | Source-wide Miscellaneous Chemical Usage |

2. Emission Limits

- a. The Permittee shall not allow the actual emissions from miscellaneous chemical usage to exceed the PTE listed in Table III-I-2 in any consecutive twelve month period.

3. Production Limits

- a. The Permittee shall not allow the actual emissions from miscellaneous chemical usage to exceed the PTE listed in Table III-I-2 in any consecutive twelve month period.

Table III-I-2: PTE Cap for Miscellaneous Chemical Usage

| EU | VOC (tons/year) | HAP (tons/year) |
|------|-----------------|-----------------|
| M001 | 5.0 | 2.5 |

4. Emission Controls

- a. The Permittee shall implement the following procedures to reduce VOC emissions:
 - i. Minimize chemical usage, where possible;

- ii. Substitute low vapor pressure cleaners; where possible; and
 - iii. Substitute low VOC alternatives; where possible.
- b. The Permittee shall ensure all containers with VOC-containing products remain securely closed, except during product transfer.

5. Monitoring

- a. The Permittee shall maintain a centralized database for tracking the type of chemical used as well as the total consumption for each chemical.

6. Testing

- a. No performance testing requirements for miscellaneous chemical usage have been identified at this time.

7. Recordkeeping

- a. The Permittee shall maintain onsite the following records: *[AQR 12.5.2.6(d)(2)]*
- i. the Permittee shall maintain MSDS or records demonstrating the VOC and HAP content for each chemical consumed *[AQR 12.5.2.6(d)]*
- b. The Permittee shall maintain onsite the following records for reporting: *[AQR 12.5.2.6(d)(4)]*
- i. the amount of each VOC and HAP containing chemical consumed; and
 - ii. the Permittee shall submit a report, on a semi-annual basis, of the calculated emissions for all VOC and HAP-containing chemicals consumed in any consecutive twelve month period. *[AQR 12.5.2.6(d)]*

IV. MITIGATION

The source has no federal offset requirements associated with this permitting action. *[AQR 59.1.1]*

V. ON-SITE AMBIENT MONITORING

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

ATTACHMENT 1 : APPLICABLE REGULATIONS

1. NRS, Chapter 445B.
2. Applicable AQR Sections identified in Table 1.

Table 1: Applicable AQR Sections

| Citation | Title |
|-------------------------|--|
| AQR Section 00 | Definitions (11/16/2010) |
| AQR Section 2 | Air Pollution Control Board (8/27/1981) |
| AQR Section 4 | Control Officer (7/01/2004) |
| AQR Section 5 | Interference with Control Officer (7/01/2004) |
| AQR Section 6 | Injunctive Relief (7/01/2004) |
| AQR Section 7 | Hearing Board and Hearing officer (4/01/2001) |
| AQR Section 8 | Persons Liable for Penalties – Punishment Defense (7/01/2004) |
| AQR Section 9 | Civil Penalties (7/01/2004) |
| AQR Section 10 | Compliance Schedules (7/01/2004) |
| AQR Section 11 | Ambient Air Quality Standards (9/07/2004) |
| AQR Section 12.0 | Applicability, General Requirements and Transition Procedures (7/01/2010) |
| AQR Section 12.2 | Permit Requirements for Major Sources in Attainment Areas (Prevention of Significant Deterioration) (11/16/2010) |
| AQR Section 12.4 | Authority to Construct Application and Permit Requirements for Part 70 Sources (7/01/2010) |
| AQR Section 12.5 | Part 70 Operating Permit Requirements (7/01/2010) |
| AQR Section 12.6 | Confidentiality (7/01/2010) |
| AQR Section 12.7 | Emission Reduction Credits (7/01/2010) |
| AQR Section 12.9 | Annual Emissions Inventory Requirement (7/01/2010) |
| AQR Section 12.10 | Continuous Monitoring Requirement for Stationary Sources (7/01/2010) |
| AQR Section 12.12 | Transfer of Permit (7/01/2010) |
| AQR Section 12.13 | Posting of Permit (7/01/2010) |
| AQR Section 13 | National Emission Standards for Hazardous Air Pollutants (7/01/2010) |
| AQR Section 14 | New Source Performance Standards (7/01/2010) |
| AQR Section 18 | Permit and Technical Service Fees (4/02/2011) |
| AQR Section 25.1 & 25.2 | Requirements for the excess emissions caused by upset/breakdown and malfunctions (7/01/2010) |
| AQR Section 26 | Emissions of Visible Air Contaminants (12/30/2008) |
| AQR Section 28 | Fuel Burning Equipment (7/01/2004) |
| AQR Section 29 | Sulfur Contents of Fuel Oil (7/01/2004) |
| AQR Section 35 | Diesel Engine Powered Electrical Generating Equipment (7/01/2004) |
| AQR Section 40 | Prohibition of Nuisance Conditions (7/01/2004) |
| AQR Section 41.1 | Fugitive Dust (7/01/2004) |
| AQR Section 43 | Odors in the Ambient Air (7/01/2004) |
| AQR Section 50 | Storage of Petroleum Products (7/01/2004) |
| AQR Section 70 | Emergency Procedures (7/01/2004) |
| AQR Section 80 | Circumvention (7/01/2004) |
| AQR Section 81 | Provisions of Regulations Severable (7/01/2004) |

3. CAAA, Authority: 42 U.S.C. § 7401, et seq.
4. Applicable 40 CFR Subsections are itemized in the Table 2.

Table 2: Applicable 40 CFR Subsections

| Citation | Title |
|--------------------------|--|
| 40 CFR 52.21 | Prevention of Significant Deterioration (PSD) |
| 40 CFR 52.1470 | SIP Rules |
| 40 CFR 60, Subpart A | Standards of Performance for New Stationary Sources (NSPS) – General Provisions |
| 40 CFR 60 | Appendices A, B, and F |
| 40 CFR 60 Subpart OOO | Standards of Performance for Nonmetallic Mineral Processing Plants |
| 40 CFR 60 Subpart IIII | New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines |
| 40 CFR 63 Subpart ZZZZ | Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines |
| 40 CFR 63 Subpart CCCCCC | Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities |
| 40 CFR 70 | Federally Mandated Operating Permits |
| 40 CFR 82 | Protection of Stratospheric Ozone |

ATTACHMENT 2: INSIGNIFICANT ACTIVITIES

Table 1: Insignificant Activities (Storage Tanks)

| Description | Location | Capacity (gallons) | Fuel |
|--------------------------|-------------|--------------------|--------------------|
| Aboveground Storage Tank | Bldg. 24 | 1,500 | Diesel |
| Aboveground Storage Tank | Bldg. 64 | 500 | Diesel |
| Aboveground Storage Tank | Bldg.64 | 1,500 | Diesel |
| Aboveground Storage Tank | Bldg. 65 | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 85 | 1,700 | Diesel |
| Aboveground Storage Tank | Bldg. 89 | 308 | Diesel |
| Aboveground Storage Tank | Bldg. 91 | 145 | Diesel |
| Aboveground Storage Tank | Bldg. 92 | 127 | Diesel |
| Aboveground Storage Tank | Bldg. 93 | 25 | Diesel |
| Aboveground Storage Tank | Bldg. 93 | 750 | Diesel |
| Aboveground Storage Tank | Bldg. 95 | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 104 | 750 | Diesel |
| Aboveground Storage Tank | Bldg. 104 | 1,000 | Diesel |
| Aboveground Storage Tank | Bldg. 120 | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 120 | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 221 | 100 | Diesel |
| Aboveground Storage Tank | Bldg. 255-2 | 5,000 | Waste Fuels/ Mixed |
| Aboveground Storage Tank | Bldg. 553 | 1,000 | Jet fuel |
| Aboveground Storage Tank | Bldg. 626 | 120 | Jet fuel |
| Aboveground Storage Tank | Bldg. 663 | 250 | Jet fuel |
| Aboveground Storage Tank | Bldg. 667 | 30,000 | Jet fuel |
| Aboveground Storage Tank | Bldg. 668 | 30,000 | Jet fuel |
| Aboveground Storage Tank | Bldg. 669 | 30,000 | Jet fuel |
| Aboveground Storage Tank | Bldg. 685 | 5,000 | Diesel |
| Aboveground Storage Tank | Bldg. 686 | 5,000 | Diesel |
| Aboveground Storage Tank | Bldg. 707 | 1,000 | Diesel |
| Aboveground Storage Tank | Bldg. 707 | 1,000 | Diesel |
| Aboveground Storage Tank | Bldg. 707 | 366 | Diesel |

| Description | Location | Capacity (gallons) | Fuel |
|---|-------------------------------|--------------------|----------|
| Aboveground Storage Tank | Bldg. 707 | 20 | Diesel |
| Aboveground Storage Tank | Bldg. 718 | 1,000 | Diesel |
| Aboveground Storage Tank | Bldg. 718 | 20 | Diesel |
| Aboveground Storage Tank | Bldg. 718-1 | 2,000 | Diesel |
| Aboveground Storage Tank | Bldg. 718-A | 4,000 | Diesel |
| Aboveground Storage Tank | Bldg. 719 | 200 | Diesel |
| Aboveground Storage Tank | Bldg. 719 | 240 | Diesel |
| Aboveground Storage Tank | Bldg. 791 | 20 | Diesel |
| Aboveground Storage Tank | Bldg. 792 | 20 | Diesel |
| Aboveground Storage Tank | Bldg. 799 | 250 | Diesel |
| Aboveground Storage Tank | Bldg. 799 | 250 | Diesel |
| Aboveground Storage Tank | East Gate | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 1000 | 2,070 | Diesel |
| Aboveground Storage Tank | Between Bldgs. 1000 & 1009 | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 1003 | 2,070 | Diesel |
| Aboveground Storage Tank | Bldg. 1004 | 559 | Diesel |
| Aboveground Storage Tank | Bldg. 1005 | 8,000 | Diesel |
| Aboveground Storage Tank | Bldg. 1005 | 1,808 | Diesel |
| Aboveground Storage Tank | Bldg. 1005 | 5,000 | Diesel |
| Aboveground Storage Tank | Bldg. 1006 | 5,000 | Diesel |
| Aboveground Storage Tank | Bldg. 1009 | 1,575 | Diesel |
| Aboveground Storage Tank | Bldg. 1009 | 15,000 | Diesel |
| Aboveground Storage Tank | Bldg. 1011 | 10,000 | Jet Fuel |
| Loading Arms (2); Diesel Loading and Unloading | Bldg. 1011 | | Jet Fuel |
| Aboveground Storage Tank | Bldg. 1019 | 366 | Diesel |
| Aboveground Storage Tank | Bldg. 1020 | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 1022 | 600 | Diesel |
| Aboveground Storage Tank | Bldg. 1032 | 195 | Diesel |
| Aboveground Storage Tank | Bldg. 1050 | 145 | Diesel |
| Aboveground Storage Tank | Bldg. 1052 | 308 | Diesel |
| Aboveground Storage Tank | Bldg. 1055 | 5,000 | Diesel |
| Aboveground Storage Tank | Bldg. 1078 | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 1109 | 8,000 | Diesel |
| Aboveground Storage Tank | Bldg. 1130 | 1,280 | Diesel |
| Aboveground Storage Tank | Bldg. 1130 | 10,000 | Diesel |
| Aboveground Storage Tank | Bldg. 1150 | 1,161 | Diesel |
| Aboveground Storage Tank | Bldg. 1210 | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 2215-A | 500 | Diesel |
| Aboveground Storage Tank | Bldg. 2215-B | 300 | Diesel |
| Aboveground Storage Tank | Bldg. 2285 | 300 | Diesel |
| Aboveground Storage Tank | Bldg. 2285 | 2,000 | Diesel |
| Aboveground Storage Tank | Bldg. 3922 | 150 | Diesel |
| Aboveground Storage Tank | Bldg. 3925 | 140 | Diesel |
| Aboveground Storage Tank | Bldg. 3951 | 127 | Diesel |
| Aboveground Storage Tank | Angels Peak | 1,000 | Diesel |

| Description | Location | Capacity (gallons) | Fuel |
|---|---------------|--------------------|--------|
| Aboveground Storage Tank | Box Canyon | 500 | Diesel |
| Aboveground Storage Tank | Box Canyon | 1,000 | Diesel |
| Aboveground Storage Tank | Point Bravo | 1,000 | Diesel |
| Aboveground Storage Tank | Point Bravo | 250 | Diesel |
| Aboveground Storage Tank | Point Bravo | 500 | Diesel |
| Aboveground Storage Tank | Point Bravo | 300 | Diesel |
| Aboveground Storage Tank | Radio Tower | 308 | Diesel |
| Aboveground Storage Tank (10 identical tanks at this location) | Range | 275 | Diesel |
| Aboveground Storage Tank | Range 62 | 550 | Diesel |
| Aboveground Storage Tank | Range 62A | 250 | Diesel |
| Aboveground Storage Tank | Range 62B/U25 | 250 | Diesel |
| Aboveground Storage Tank | Range 62B | 300 | Diesel |
| Aboveground Storage Tank | Range 63A | 500 | Diesel |
| Aboveground Storage Tank | Range 63B | 500 | Diesel |
| Aboveground Storage Tank | Range 63B | 250 | Diesel |
| Aboveground Storage Tank | Range 64-C1 | 500 | Diesel |
| Aboveground Storage Tank | Range 64-C2 | 500 | Diesel |
| Aboveground Storage Tank | Silver Flag | 1,000 | Diesel |
| Aboveground Storage Tank | Tent City | 10,000 | Diesel |
| Aboveground Storage Tank | Tent City | 2,000 | Diesel |

Table 2: Insignificant Activities (Fuel Burning Equipment)

| Description | Manufacturer | Fuel | Rating (MMBtu/hr) | Model # | Serial # | Location |
|--------------|----------------|---------|----------------------|-----------------|----------------|-----------|
| Water Heater | A.O. Smith | Propane | 0.154 | BTR154111 | M04M006081 | Bldg. 4 |
| Water Heater | A.O. Smith | Propane | 0.154 | BTR154111 | M04M006082 | Bldg. 4 |
| Water Heater | A.O. Smith | Propane | 0.154 | BTR154111 | M04M006080 | Bldg. 5 |
| Water Heater | A.O. Smith | Propane | 0.154 | BTR154111 | M04M006083 | Bldg. 5 |
| Water Heater | Rheem | Propane | 0.18 | G76-180-1 | URLP1010G00493 | Bldg. 5 |
| Furnace | Trane | Diesel | 0.12 | TUX1D120A9601AB | 6392HHH7G | Bldg. 50 |
| Furnace | Trane | Diesel | 0.11 | TUX1D120A9601AB | 6394J5L7G | Bldg. 50 |
| Furnace | Trane | Propane | 0.11 | XR80 | | Bldg. 65 |
| Furnace | Trane | Propane | 0.11 | TUDIDI40A9601AA | 7343TAOIG | Bldg. 65 |
| Furnace | Trane | Propane | 0.11 | TUDIDI40A9601AA | 734257MIG | Bldg. 65 |
| Furnace | Trane | Propane | 0.11 | TUDIDI40A9601AA | 7343S9PIG | Bldg. 65 |
| Water Heater | Bradford White | Propane | 0.25 | D100L2503XA | BM9977322 | Bldg. 65 |
| Water Heater | A.O. Smith | Propane | 0.20 | BTH199101 | 0805M000962 | Bldg. 65 |
| Boiler | Trane | Diesel | 0.14 | XR80 | 7343TBS1G | Bldg. 79 |
| Boiler | Trane | Diesel | 0.11 | XR80 | | Bldg. 79 |
| Furnace | Trane | Propane | 0.11 | XR80 | | Bldg. 79 |
| Furnace | Trane | Propane | 0.11 | XR80 | | Bldg. 79 |
| Furnace | Trane | Propane | 0.14 | 7UD1D1U0A9601AA | 7343TBS1G | Bldg. 79 |
| Furnace | Trane | Propane | 0.14 | 7UD1D1U0A9601AA | 7382H701G | Bldg. 79 |
| Furnace | Flexaire | Diesel | 0.63 | SDF-50-OFJ | 893-425 | Bldg. 85 |
| Furnace | American | Propane | 0.40 | FG6150T403P | 433121450 | Bldg. 85 |
| Furnace | Trane | Propane | 0.14 | XR80 | 4034PLS1G | Bldg. 115 |
| Furnace | Trane | Propane | 0.14 | XR80 | 4023KWM1G | Bldg. 115 |
| Furnace | Trane | Propane | 0.20 | YSC120A3EMA | 317100280L | Bldg. 118 |

| Description | Manufacturer | Fuel | Rating (MMBtu/hr) | Model # | Serial # | Location |
|--------------|----------------|---------|-------------------|-----------------|----------------|------------|
| Furnace | Trane | Propane | 0.20 | YSC120A3EMA | 317100266L | Bldg. 118 |
| Water Heater | Rheem | Propane | 0.069 | 21VR75P | RHLP0203101743 | Bldg. 118 |
| Water Heater | Rheem | Propane | 0.069 | 21VR75P | RHLP0103132715 | Bldg. 118 |
| Furnace | Trane | Propane | 0.20 | YSC120A3EMA | 317100231L | Bldg. 119 |
| Furnace | Trane | Propane | 0.20 | YSC120A3EMA | 317100158L | Bldg. 119 |
| Water Heater | A.O. Smith | Propane | 0.037 | GVR50201 | 112J001278 | Bldg. 119 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 20837-003ECU | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1063297-001EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1063297-004EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1063278-005EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1063316-001EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 20837-012ECU | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1063278-004EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 21271-008EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1063297005EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 21271-003EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1067282-004EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1067282-001EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 21271-005EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1063316-002EC | Bldg. 152 |
| Furnace | PSI | Propane | 0.96 | 2001927 | 1063316-004EC | Bldg. 152 |
| Boiler | Ajax | Diesel | 0.526 | WAFP-630 | 68236 | Bldg. 225 |
| Furnace | Trane | Propane | 0.20 | XR80 | TUD140L960K4 | Bldg. 231 |
| Boiler | Ajax | Propane | 0.70 | WNP700 | 56890 | Bldg. 271 |
| Furnace | Cell-Air | Propane | 0.08 | E201038 | 22985 | Bldg. 273 |
| Furnace | CEL-AIR | Propane | 0.10 | RA20942H | 22984 | Bldg. 279 |
| Boiler | Fulton | Diesel | 0.0678 | ICW-20 | PV855II | Bldg. 707 |
| Boiler | Bradford White | Propane | 0.325 | B40325IP01CBABN | C08199604 | Bldg. 719 |
| Furnace | Re-Verber-Ray | Propane | 0.08 | DTHS40-75P-T | | Bldg. 723 |
| Furnace | Re-Verber-Ray | Propane | 0.08 | DTHS40-75P-T | | Bldg. 723 |
| Furnace | Re-Verber-Ray | Propane | 0.08 | DTHS40-75P-T | | Bldg.723 |
| Furnace | Re-Verber-Ray | Propane | 0.08 | DTHS40-75P-T | | Bldg.723 |
| Furnace | Re-Verber-Ray | Propane | 0.08 | DTHS40-75P-T | | Bldg.723 |
| Furnace | Re-Verber-Ray | Propane | 0.08 | DTHS40-75P-T | | Bldg.723 |
| Boiler | A.O. Smith | Propane | 0.15 | BTH150973 | C05M004999 | Bldg.1000 |
| Water Heater | A.O. Smith | Propane | 0.20 | BTR200119 | 0826M001415 | Bldg.1003 |
| Boiler | Bryan | Propane | 0.85 | DR850-WFDG | 96511 | Bldg.1004 |
| Boiler | A.O. Smith | Propane | 0.199 | BTR200119 | 1339M000857 | Bldg.1004 |
| Boiler | A.O. Smith | Propane | 0.154 | 134515119 | 1345M000066 | Bldg. 1005 |
| Water Heater | Bradford White | Propane | 0.25 | D100L2503XA | DE122893 | Bldg. 1005 |
| Water Heater | A.O. Smith | Propane | 0.20 | BTR200119 | 0848M000101 | Bldg. 1009 |
| Boiler | Weil McClain | Propane | 0.491 | 480 | 60872627 | Bldg. 1010 |
| Water Heater | A.O. Smith | Propane | 0.08 | BT80301 | 0834M002610 | Bldg. 1010 |
| Water Heater | A.O. Smith | Propane | 0.12 | BTR120119 | 0927M001329 | Bldg. 1011 |
| Heat/Cool | Aero | Diesel | 0.23 | ACE-302-H-CUP | 240218 | Bldg. 1011 |
| Heat/Cool | Aero | Diesel | 0.23 | ACE-302-H-CUP | 240224 | Bldg. 1011 |
| Water Heater | A.O. Smith | Propane | 0.08 | BT80301 | 0834M002609 | Bldg. 1012 |
| Furnace | Carrier | Propane | 0.066 | 58STA070-16 | 1308A31989 | Bldg. 1012 |
| Furnace | Carrier | Propane | 0.088 | 58STA070-20 | 0907A33421 | Bldg. 1012 |
| Furnace | Carrier | Propane | 0.044 | 58STA045 | 0608A16797 | Bldg. 1012 |
| Furnace | Carrier | Propane | 0.088 | 58STA070-20 | 0907A33407 | Bldg. 1012 |
| Furnace | Carrier | Propane | 0.088 | 58STA070-20 | 0907A33417 | Bldg. 1012 |

| Description | Manufacturer | Fuel | Rating (MMBtu/hr) | Model # | Serial # | Location |
|--------------------|--------------|---------|-------------------|-----------------|------------------|------------|
| Boiler | Rheem | Propane | 0.199 | GHB100-200ALP | RRLP1112G00346 | Bldg. 1055 |
| Water Heater | A.O. Smith | Propane | 0.10 | BTX100121 | 1112M002229 | Bldg. 1060 |
| Boiler | Laars | Propane | 0.50 | NTH500NXN2 | G10166178 | Bldg. 1060 |
| Water Heater | Rheem | Propane | 0.042 | 42VP50PFW | RHLP0310V04391 | Bldg. 1065 |
| Water Heater | Rheem | Propane | 0.042 | 42VP50PFW | RHLP0310V04392 | Bldg. 1065 |
| Heat/Cool | Carrier | Propane | 0.25 | 48PMDC24C-61585 | 2710G30035 | Bldg. 1065 |
| Heat/Cool | Carrier | Propane | 0.25 | 48PMDC16C60S85 | 2810G50039 | Bldg. 1065 |
| Heat/Cool | Carrier | Propane | 0.25 | 48PMDC16C60S85 | 2810G50040 | Bldg. 1065 |
| Heat/Cool | Carrier | Propane | 0.25 | 48PQC12-D60SB1 | 2510G50001 | Bldg. 1065 |
| Heat/Cool | Trane | Propane | 0.15 | YCH150E3LOBC | 104510132D | Bldg. 1111 |
| Boiler | Lochinvar | Propane | 0.075 | MCGL075075301 | 1245M001666 | Bldg. 1130 |
| Boiler | A.O. Smith | Propane | 0.20 | BTH 199101 | 1339M002727 | Bldg. 1150 |
| Evaporative Cooler | Greenheck | Propane | 0.80 | IGX-118-H32-DB | 13211140 | Bldg. 1150 |
| Furnace | Reznor | Propane | 0.03 | UDAS-30 | BMC799BL12832X | Bldg. 1150 |
| Furnace | Reznor | Propane | 0.03 | UDAS-30 | BMC799BL19402X | Bldg. 1150 |
| Furnace | Reznor | Propane | 0.03 | UDAS-30 | BMC799BL19401X | Bldg. 1150 |
| Ceiling Heater | Dayton | Propane | 0.175 | | | Bldg. 1521 |
| Ceiling Heater | Dayton | Propane | 0.175 | | | Bldg. 1521 |
| Water Heater | Rheem | Propane | 0.20 | HE119-199LP | 0310T0445P | Bldg. 1210 |
| Water Heater | Rheem | Propane | 0.20 | HE119-199LP | 0310T0446P | Bldg. 1210 |
| Heat/Cool | Carrier | Propane | 0.25 | 48PMDC24C61SB5 | 1601G30036 | Bldg. 1210 |
| Heat/Cool | Carrier | Propane | 0.25 | 48PMDC16C60SB5 | 1601G10035 | Bldg. 1210 |
| Heat/Cool | Carrier | Propane | 0.25 | 48PMDC24C61SB5 | 1601G30035 | Bldg. 1210 |
| Heat/Cool | Carrier | Propane | 0.25 | 48PMDC16C60SB5 | 1601G10036 | Bldg. 1210 |
| Water Heater | Rheem | Propane | 0.199 | HE119-199LP | 0310T0445P | Bldg. 1215 |
| Water Heater | Rheem | Propane | 0.199 | HE119-199LP | 0310T0446P | Bldg. 1215 |
| Furnace | Trane | Propane | 0.1 | TUX1D100A9601AB | 6365TGI7G | Bldg. 2275 |
| Furnace | Trane | Propane | 0.1 | TUX1D100A9601AB | 6365TGK76 | Bldg. 2275 |
| Furnace | Trane | Propane | 0.14 | XR80 | 6121NAL1G | Bldg. 2284 |
| Furnace | Trane | Propane | 0.14 | XR80 | 7343TB31G | Bldg. 2284 |
| Furnace | Trane | Propane | 0.14 | XR80 | 7343S911G | Bldg. 2284 |
| Furnace | Trane | Propane | 0.18 | TWE180B300CA | P401JWA6H | Bldg. 2285 |
| Boiler | A.O. Smith | Propane | 0.65 | BTP700A851 | LE92-0016428-851 | Bldg. 2407 |
| Ceiling Heater | Dayton | Propane | 0.175 | | | Bldg. 2561 |
| Ceiling Heater | Dayton | Propane | 0.175 | | | Bldg. 2561 |
| Ceiling Heater | Dayton | Propane | 0.175 | | | Bldg. 2561 |
| Ceiling Heater | Dayton | Propane | 0.175 | | | Bldg. 2561 |

Table 3: Insignificant Activities (Abrasive Blasting)

| Description | Manufacturer | Model # | Serial # | Location |
|--|---------------------------|--------------|-------------|------------|
| Media Blasting Booth; 10.0' x 25' x 65" | Custom-Made | | | Bldg. 227 |
| Media Blasting Booth; 5.0' x 4.0' x 4.0' | Custom-Made | | | Bldg. 227 |
| Media Blasting Booth | Econoline | | | Bldg. 230 |
| Media Blasting Booth | Custom-Made | | | Bldg. 230 |
| Media Blasting Booth; 5.0' x 4.0' x 4.0' | Econoline | | | Bldg. 719 |
| Media Blasting Booth | Econoline | | 102774 | Bldg. 1000 |
| Media Blasting Booth; 5.0' x 4.0' x 4.0' | Abrasive Blasting Systems | MIL-B-83756C | 300902-02-2 | Bldg. 2284 |

Table 4: Insignificant Activities (Degreasers)

| Description | Manufacturer | Model No. | Serial No. | Location |
|----------------------------------|------------------------|------------------|-------------------|-----------------|
| Parts Washing Unit; 85 Gallons | AaLadin | 2085E | 71533 | Bldg. 279 |
| Parts Washing Unit | Power Master-Kleen Tec | | 02145 | Bldg. 3953 |
| Parts Washing Unit; 17.5 Gallons | Clarus | PCS-15 | | Bldg. 115 |
| Parts Washing Unit; 27.5 Gallons | Clarus | PCS-25 | | Bldg. 225 |
| Parts Washing Unit; 27.5 Gallons | Clarus | PCS-25 | 001921 | Bldg. 719 |
| Parts Washing Unit; 27.5 Gallons | Clarus | PCS-25 | | Bldg. 2284 |
| Parts Washing Unit; 15 Gallons | Clarus | PCS-15 | | Bldg. 2286 |
| Parts Washing Unit; 35 Gallons | Build-All | SXL48 | 80855476 | Bldg. 52 |
| Parts Washing Unit; 30 Gallons | Snap-On | PBC4828 | | Bldg. 1011 |
| Parts Washing Unit; 5 Gallons | Herkules | G100 | 61848 | Bldg. 227 |