State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

L. Scott Baird
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

16023

Title V Operating Permit

PERMIT NUMBER: 300003004
DATE OF PERMIT: December 22, 2020
Date of Last Revision: December 22, 2020

This Operating Permit is issued to, and applies to the following:

Name of Permittee:

ATK Launch Systems LLC
9160 North Highway 83
Promontory, UT 84302-0689

Permitted Location:

ATK Launch Systems, LLC - Promontory
9160 N Hwy 83
Promontory, UT 84302-0689

UTM coordinates: 380,500 m Easting, 4,619,300 m Northing
SIC code: 3761 (Guided Missiles & Space Vehicles)

By:

Bryce C. Bird, Director

Prepared By:

Jennifer He
jhe@utah.gov

ENFORCEABLE DATES AND TIMELINES

The following dates or timeframes are referenced in Section I: General Provisions of this permit.

Annual Certification Due:	March 1 of every calendar year that this permit is in force.
Renewal application due:	6/22/2025
Permit expiration date:	12/22/2025
Definition of “prompt”:	written notification within 14 days.

ABSTRACT

The ATK Launch Systems site is located at Promontory Point in Box Elder County. Activities at this site involve the manufacture and testing of: solid rocket motor propulsion systems, explosives, flare illuminants, and composite materials. Reclamation activities are also conducted for the reuse of excessed rocket motor components and propellant. The following federal regulations are applicable requirements for this source:

"Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units" found in 40 CFR Part 60, Subpart Dc.

"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines" found in 40 CFR Part 60, subpart IIII.

"National Emission Standard for Asbestos" found in 40 CFR Part 61, Subpart M.

"National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines" found in 40 CFR Part 63, Subpart ZZZZ.

"National Emission Standards for Aerospace Manufacturing and Rework Facilities" found in 40 CFR Part 63, Subpart GG.

"National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters" found in 40 CFR Part 63, Subpart DDDDD.

ATK Launch Systems is a major source of hazardous air pollutants (HAPs), volatile organic compounds (VOC), particulate matter less than 10-microns in diameter (PM_{10}), sulfur dioxide (SO_2), oxides of nitrogen (NO_x), and carbon monoxide (CO).

OPERATING PERMIT HISTORY

Permit/Activity	Date Issued	Recorded Changes
Title V renewal application (Project #OPP0160230001)	12/22/2020	-Incorporated changes resulting from the issuance of AO DAQE-AN106230001-20 -Incorporated SIP (December 7, 2016) -Deleted the obsolete conditions under NESHAP Subpart DDDDD - Added R307-304 requirements
Title V administrative amendment by source (Project #OPP0100090028)	11/08/2016	-Modification to incorporate changes resulting from the issuance of AO's DAQE-AN100090130-16 and DAQE-AN100090132-16. -Added HCL Storage Tank Scrubber. - Removed natural gas fired boiler (Building M-010, 8.37 MM Btu/hr). -Added Cleaver Brooks boiler (12.55 MM Btu/hr, rating of 9 ppm for NOx). -Added clarification that fuel sulfur requirements for some units are more stringent than R307-203-1(1). -Added clarification that records for the M-705 Waste Water Treatment Facility shall be kept on a daily basis. -Restructured monitoring and recordkeeping for the M-705 Waste Water Treatment Facility to agree with new AO. -Added construction notification requirement for the HCL Scrubber approved for the M-705 Waste Water Treatment Facility. -Added 0.0015 fuel sulfur weight percent requirement for All Natural Gas and Diesel Fired Boilers. -Removed construction notification requirement for the Cleaver Brooks burner onto the Wickes boiler in Building M-576. -Removed GHG requirement from Reviewer Comments.
Title V significant modification (Project #OPP0100090025)	04/14/2016	-Modification to incorporate changes resulting from the issuance of AO's DAQE-AN100090126-15 and DAQE-AN100090127-15. -Add Propane-Fired Burn-Off Oven to Group 10.

		-Replaced the burner on one of the M-576 Wickes Boilers. The new burner is a Cleaver Brooks rated for 9 ppm NO_x. -Updating boiler requirements for 40 CFR Part 63, Subpart DDDDD.
Title V renewal application (Project #OPP0100090024)	06/10/2015	-Renewal. -Addition of 40 CFR Part 63, Subpart DDDDD requirements for boilers. -Addition of R307-335-4 requirements for degreasers.
Title V administrative amendment - enhanced AO (Project #OPP0100090023)	07/3/2014	- Modification to incorporate changes resulting from the issuance of AO's DAQE-AN100090124-14 and DAQE-AN100090125-14. -Remove KOSMO Test Site from the Title V permit per issuance of DAQE-AN100090124-14 -Replace dust collector M-174-DC02 with Wet Scrubber M-174 per issuance of DAQE-AN100090125-14. -Update RICE requirements. -Reorganization of permit requirements and edits requested by source to represent current operations.
Title V administrative amendment - enhanced AO (Project #OPP0100090022)	09/30/2013	- Modification to incorporate changes resulting from the issuance of AO's DAQE-AN100090123-13 and DAQE-AN100090122-13. -Relocate 3.35 MMBTU boiler from Building M-338 to Building T-021A. -Relocate 2.51 MMBTU boiler from Building T-021A to Building M-338. -Remove two 13.6 MM BTU Boilers from M-113 -Added a gas scrubber to the Wastewater Treatment Plant.
Title V administrative amendment by DAQ (Project #OPP0100090020)	02/21/2012	-This action is an administrative amendment with no increase in emissions, or relaxation in monitoring resulting. For that reason, public and EPA comments were not required. -The Groups 1-10 AO references were updated from DAQE-AN0100090119-10 to DAQE-AN100090121-12. - Condition II.B.4.a is being corrected from "206 mg/l" to "276 g/l" per the AO.

		- Condition II.B.33.a.A is being corrected from "600 hp or less" to "greater than 600 hp" per the AO. - Condition II.B.33.a.B is being corrected from "greater than 600 hp" to "600 hp or less" per the AO.
Title V administrative amendment - enhanced AO (Project #OPP0100090018)	01/17/2012	Update AO #'s per issuance of AO DAQE-AN100090120-11. Addition of one 1,474 hp Emergency Diesel Generator (A-001B). RICE Engine regulation 40 CFR Part 60, Subpart IIII applies. Revised hours of emergency generator usage. Corrected references for the M-016 emergency generator, 40 CFR Part 60, Subpart IIII applies, 40 CFR Part 63, Subpart ZZZZ does not. Made 40 CFR Part 60, Subpart IIII, revisions to M-016 emergency generator conditions. Added 40 CFR Part 63, Subpart ZZZZ requirement for existing CI engines.
Title V administrative amendment by source (Project #OPP0100090016)	07/06/2010	Removal of two dust collectors (E-517-DC01, and T-012-DC01), per issuance of AO DAQE-AN0100090119-10. (The AO removed four dust collectors. Two of those dust collectors had previously been removed from this operating permit.) Update AO #'s per issuance of AO DAQE-AN0100090118-10 and AO DAQE-AN0100090119-10.
Title V renewal application (Project #OPP0100090015)	05/03/2010	-Renew Title V Operating Permit. -Incorporate changes resulting from issuance of AO DAQE-AN0100090116-09 -Remove Group 1 Scrubber. -Add Group 1 Anodizing process header and new Sulfuric Acid Tank and operating conditions. -Delete dust collector E-517-DC05 removed as noted 10/6/2005. -Delete dust collector M-392-DC01 removed as noted 4/26/2006. -Renamed: Shuttle Motor Testing to Large Motor Testing.

		-Renamed: Shuttle Motor Test bay T-24 to Test bay T-24. -Renamed: Shuttle Motor Test bay T-97 to Test bay T-97 -Added comment regarding CAM review.
Title V administrative amendment - enhanced AO (Project #OPP0100090014)	12/14/2009	-To make changes resulting from the issuance of DAQE AN-0100090114-09 (supersedes DAQE-064-98). -To add new limitations on the usage of all generators. -To add Building M-016 Emergency Generator. -To add conditions for the M-016 generator which is subject to 40 CFR Part 63, Subpart ZZZZ with references to 40 CFR Part 60, Subpart IIII.
Title V administrative amendment - enhanced AO (Project #OPP0100090013)	10/21/2009	- To update equipment list per issuance of AO DAQE-AN010009115-09 as follows: -Removal of Group 4- Baghouse Dust Collector Located in Building M-214. - Removal of references to M-585-DC01, and M-585-DC02 from Group-10.
Title V administrative amendment by DAQ (Project #OPP0100090011)	02/17/2009	To correct a typographical error found in condition II.B.29.a. 1,046,000 standard cubic feet has been corrected to 1,046,000,000 standard cubic feet.
Title V administrative amendment - enhanced AO (Project #OPP0100090009)	01/14/2008	Removal of the Asbestos Floats room and two HEPA filters from Group 10 building 585.
Title V significant modification (Project #OPP0100090007)	10/03/2007	Incorporation of new NSPS requirements for Dc Boilers (40 CFR Part 60, Subpart Dc) monthly fuel monitoring.
Title V administrative amendment by source (Project #OPP0100090005)	09/06/2006	Modification at Group 11 (T-75 complex). Wood combustion limit is increased to 2,000 lbs on a daily basis. Fuel oil combustion limit is increased to 1,200 gallons on a daily basis. Vacloader Vacuum System is being removed from this permit as the underlying AO DAQE-483-94 has been cancelled (DAQE-GN0009108-06).

Title V administrative amendment by source (Project #OPP0100090004)	04/26/2006	-AO consolidation of Groups 1-10; Update abrasive blasting rule; Deletion of Group 2 Dust Collector, Carpenter's Shop, Building M 392; Deletion of eight Group 3 cyclones (DC01-DC08) in building M 040. Group 3 Wet Collector/Separator Vacuums were numbered as: M-125-WC, M-126-WC, T-031-WC. They have been renumbered as follows: M-125-WC, M-126-WC 1 thru 3, T-021-WC; Deletion of Group 7 Gerber knife dust collector located in building M010; Deletion of two Group 9 Portable Grit Blasters located in building M067; Addition of Group 10 Bake Off oven located in Building M-053
Title V administrative amendment by source (Project #OPP0100090003)	10/06/2005	The following changes are being made: Addition of automated paint booth M-052-PB03, located in building M-052. Addition of 10% opacity limit and monitoring for Group 7- All Paint Booths (designated as PB-ALL) Add conditions for open burning at areas M-136, M-225, and SRM testing. To revise equipment list to remove Abrasive Blast Cabinet E-517-DC04, and Buff Room Dust Collector E-517-DC05.
Title V administrative amendment by source (Project #OPP0100090002)	02/22/2005	To revise equipment list to include Abrasive Blast Cabinet E-517-DC04, and Buff Room Dust Collector E-517-DC05.
Title V initial application (Project #OPP0100090001)	04/27/2004	

Table of Contents

Issued under authority of Utah Code Ann. Section 19-2-104 and 19-2-109.1, and in accordance with Utah Administrative Code R307-415 Operating Permit Requirements.

All definitions, terms and abbreviations used in this permit conform to those used in Utah Administrative Code R307-101 and R307-415 (Rules), and 40 Code of Federal Regulations (CFR), except as otherwise defined in this permit. Unless noted otherwise, references cited in the permit conditions refer to the Rules.

Where a permit condition in Section I, General Provisions, partially recites or summarizes an applicable rule, the full text of the applicable portion of the rule shall govern interpretations of the requirements of the rule. In the case of a conflict between the Rules and the permit terms and conditions of Section II, Special Provisions, the permit terms and conditions of Section II shall govern except as noted in Provision I.M, Permit Shield.

SECTION I: GENERAL PROVISIONS

I.A **Federal Enforcement.**

All terms and conditions in this permit, including those provisions designed to limit the potential to emit, are enforceable by the EPA and citizens under the Clean Air Act of 1990 (CAA) except those terms and conditions that are specifically designated as "State Requirements". (R307-415-6b)

I.B **Permitted Activity(ies).**

Except as provided in R307-415-7b(1), the permittee may not operate except in compliance with this permit. (See also Provision I.E, Application Shield)

I.C **Duty to Comply.**

I.C.1 The permittee must comply with all conditions of the operating permit. Any permit noncompliance constitutes a violation of the Air Conservation Act and is grounds for any of the following: enforcement action; permit termination; revocation and reissuance; modification; or denial of a permit renewal application. (R307-415-6a(6)(a))

I.C.2 It shall not be a defense for a permittee 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. (R307-415-6a(6)(b))

I.C.3 The permittee shall furnish to the Director, within a reasonable time, any information that the Director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director copies of records required to be kept by this permit or, for information claimed to be confidential, the permittee may furnish such records directly to the EPA along with a claim of confidentiality. (R307-415-6a(6)(e))

I.C.4 This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance shall not stay any permit condition, except as provided under R307-415-7f(1) for minor permit modifications. (R307-415-6a(6)(c))

I.D **Permit Expiration and Renewal.**

I.D.1 This permit is issued for a fixed term of five years and expires on the date shown under "Enforceable Dates and Timelines" at the front of this permit. (R307-415-6a(2))

I.D.2 Application for renewal of this permit is due on or before the date shown under "Enforceable Dates and Timelines" at the front of this permit. An application may be submitted early for any reason. (R307-415-5a(1)(c))

I.D.3 An application for renewal submitted after the due date listed in I.D.2 above shall be accepted for processing, but shall not be considered a timely application and shall not relieve the permittee of any enforcement actions resulting from submitting a late application. (R307-415-5a(5))

I.D.4 Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application is submitted consistent with R307-415-7b (see also Provision I.E, Application Shield) and R307-415-5a(1)(c) (see also Provision I.D.2). (R307-415-7c(2))

I.E **Application Shield.**

If the permittee submits a timely and complete application for renewal, the permittee's failure to have an operating permit will not be a violation of R307-415, until the Director takes final action on the permit renewal application. In such case, the terms and conditions of this permit shall remain in force until permit renewal or denial. This protection shall cease to apply if, subsequent to the completeness determination required pursuant to R307-415-7a(3), and as required by R307-415-5a(2), the applicant fails to submit by the deadline specified in writing by the Director any additional information identified as being needed to process the application. (R307-415-7b(2))

I.F **Severability.**

In the event of a challenge to any portion of this permit, or if any portion of this permit is held invalid, the remaining permit conditions remain valid and in force. (R307-415-6a(5))

I.G **Permit Fee.**

I.G.1 The permittee shall pay an annual emission fee to the Director consistent with R307-415-9. (R307-415-6a(7))

I.G.2 The emission fee shall be due on October 1 of each calendar year or 45 days after the source receives notice of the amount of the fee, whichever is later. (R307-415-9(4)(a))

I.H **No Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privilege. (R307-415-6a(6)(d))

I.I **Revision Exception.**

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. (R307-415-6a(8))

I.J **Inspection and Entry.**

I.J.1 Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director or an authorized representative to perform any of the following:

I.J.1.a Enter upon the permittee's premises where the source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit. (R307-415-6c(2)(a))

I.J.1.b Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit. (R307-415-6c(2)(b))

I.J.1.c Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practice, or operation regulated or required under this permit. (R307-415-6c(2)(c))

I.J.1.d Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with this permit or applicable requirements. (R307-415-6c(2)(d))

I.J.2 Any claims of confidentiality made on the information obtained during an inspection shall be made pursuant to Utah Code Ann. Section 19-1-306. (R307-415-6c(2)(e))

I.K **Certification.**

Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification as to its truth, accuracy, and completeness, by a responsible official as defined in R307-415-3. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (R307-415-5d)

I.L **Compliance Certification.**

I.L.1 Permittee shall submit to the Director an annual compliance certification, certifying compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. This certification shall be submitted no later than the date shown under "Enforceable Dates and Timelines" at the front of this permit, and that date each year following until this permit expires. The certification shall include all the following (permittee may cross-reference this permit or previous reports): (R307-415-6c(5))

I.L.1.a The identification of each term or condition of this permit that is the basis of the certification;

I.L.1.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. Such methods and other means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements in this permit. If necessary, the permittee also shall 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;

I.L.1.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 method or means

designated in Provision I.L.1.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; and

I.L.1.d Such other facts as the Director may require to determine the compliance status.

I.L.2 The permittee shall also submit all compliance certifications to the EPA, Region VIII, at the following address or to such other address as may be required by the Director: (R307-415-6c(5)(d))

Environmental Protection Agency, Region VIII
Office of Enforcement, Compliance and Environmental Justice
(mail code 8ENF)
1595 Wynkoop Street
Denver, CO 80202-1129

I.M **Permit Shield.**

I.M.1 Compliance with the provisions of this permit shall be deemed compliance with any applicable requirements as of the date of this permit, provided that:

I.M.1.a Such applicable requirements are included and are specifically identified in this permit, or (R307-415-6f(1)(a))

I.M.1.b Those requirements not applicable to the source are specifically identified and listed in this permit. (R307-415-6f(1)(b))

I.M.2 Nothing in this permit shall alter or affect any of the following:

I.M.2.a The emergency provisions of Utah Code Ann. Section 19-1-202 and Section 19-2-112, and the provisions of the CAA Section 303. (R307-415-6f(3)(a))

I.M.2.b The liability of the owner or operator of the source for any violation of applicable requirements under Utah Code Ann. Section 19-2-107(2)(g) and Section 19-2-110 prior to or at the time of issuance of this permit. (R307-415-6f(3)(b)

I.M.2.c The applicable requirements of the Acid Rain Program, consistent with the CAA Section 408(a). (R307-415-6f(3)(c))

I.M.2.d The ability of the Director to obtain information from the source under Utah Code Ann. Section 19-2-120, and the ability of the EPA to obtain information from the source under the CAA Section 114. (R307-415-6f(3)(d))

I.N **Emergency Provision.**

I.N.1 An "emergency" is any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error. (R307-415-6g(1))

I.N.2 An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the affirmative defense is demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

I.N.2.a An emergency occurred and the permittee can identify the causes of the emergency. (R307-415-6g(3)(a))

I.N.2.b The permitted facility was at the time being properly operated. (R307-415-6g(3)(b))

I.N.2.c During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in this permit. (R307-415-6g(3)(c))

I.N.2.d The permittee submitted notice of the emergency to the Director within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirement of Provision I.S.2.c below. (R307-415-6g(3)(d))

I.N.3 In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. (R307-415-6g(4))

I.N.4 This emergency provision is in addition to any emergency or upset provision contained in any other section of this permit. (R307-415-6g(5))

I.O **Operational Flexibility.**

Operational flexibility is governed by R307-415-7d(1).

I.P **Off-permit Changes.**

Off-permit changes are governed by R307-415-7d(2).

I.Q **Administrative Permit Amendments.**

Administrative permit amendments are governed by R307-415-7e.

I.R **Permit Modifications.**

Permit modifications are governed by R307-415-7f.

I.S **Records and Reporting.**

I.S.1 Records.

I.S.1.a The records of all required monitoring data and support information shall be retained by the permittee for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-charts or appropriate recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. (R307-415-6a(3)(b)(ii))

I.S.1.b For all monitoring requirements described in Section II, Special Provisions, the source shall record the following information, where applicable: (R307-415-6a(3)(b)(i))

I.S.1.b.1 The date, place as defined in this permit, and time of sampling or measurement.

I.S.1.b.2 The date analyses were performed.

I.S.1.b.3 The company or entity that performed the analyses.

I.S.1.b.4 The analytical techniques or methods used.

I.S.1.b.5 The results of such analyses.

I.S.1.b.6 The operating conditions as existing at the time of sampling or measurement.

I.S.1.c Additional record keeping requirements, if any, are described in Section II, Special Provisions.

I.S.2 Reports.

I.S.2.a Monitoring reports shall be submitted to the Director every six months, or more frequently if specified in Section II. All instances of deviation from permit requirements shall be clearly identified in the reports. (R307-415-6a(3)(c)(i))

I.S.2.b All reports submitted pursuant to Provision I.S.2.a shall be certified by a responsible official in accordance with Provision I.K of this permit. (R307-415-6a(3)(c)(i)

I.S.2.c The Director shall be notified promptly of any deviations from permit requirements including those attributable to upset conditions as defined in this permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. Prompt, as used in this condition, shall be defined as written notification within the number of days shown under "Enforceable Dates and Timelines" at the front of this permit. Deviations from permit requirements due to breakdowns shall be reported in accordance with the provisions of R307-107. (R307-415-6a(3)(c)(ii))

I.S.3 Notification Addresses.

I.S.3.a All reports, notifications, or other submissions required by this permit to be submitted to the Director are to be sent to the following address or to such other address as may be required by the Director:

Utah Division of Air Quality
P.O. Box 144820
Salt Lake City, UT 84114-4820
Phone: 801-536-4000

I.S.3.b All reports, notifications or other submissions required by this permit to be submitted to the EPA should be sent to one of the following addresses or to such other address as may be required by the Director:

For annual compliance certifications:

Environmental Protection Agency, Region VIII
Office of Enforcement, Compliance and Environmental Justice
(mail code 8ENF)
1595 Wynkoop Street
Denver, CO 80202-1129

For reports, notifications, or other correspondence related to permit modifications, applications, etc.:

Environmental Protection Agency, Region VIII
Office of Partnerships and Regulatory Assistance Air and Radiation Program
(mail code 8P-AR)
1595 Wynkoop Street
Denver, CO 80202-1129
Phone: 303-312-7015

I.T **Reopening for Cause.**

I.T.1 A permit shall be reopened and revised under any of the following circumstances:

I.T.1.a New applicable requirements become applicable to the permittee and there is a remaining permit term of three or more years. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the terms and conditions of this permit have been extended pursuant to R307-415-7c (3), application shield. (R307-415-7g(1)(a))

I.T.1.b The Director or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (R307-415-7g(1)(c))

I.T.1.c EPA or the Director determines that this permit must be revised or revoked to assure compliance with applicable requirements. (R307-415-7g(1)(d))

I.T.1.d Additional applicable requirements are to become effective before the renewal date of this permit and are in conflict with existing permit conditions. (R307-415-7g(1)(e))

I.T.2 Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the Acid Rain Program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into this permit. (R307-415-7g(1)(b))

I.T.3 Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. (R307-415-7g (2))

I.U **Inventory Requirements.**

An emission inventory shall be submitted in accordance with the procedures of R307-150, Emission Inventories. (R307-150)

I.V Title IV and Other, More Stringent Requirements

Where an applicable requirement is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, Acid Deposition Control, both provisions shall be incorporated into this permit. (R307-415-6a(1)(b))

SECTION II: SPECIAL PROVISIONS

II.A **Emission Unit(s) Permitted to Discharge Air Contaminants.**
(R307-415-4(3)(a) and R307-415-4(4))

II.A.1 **Permitted Source**
Source-wide

II.A.2 **Groups 1-10**
Includes equipment in Groups 1-10 listed below (designated as GP 1-10)

II.A.3 **Group 1 Paint Booths**
Unit Description: Paint booths located in buildings E-512, E-516, -517-C, E-529, and M-508. (designated as All)

II.A.4 **Group 1 Aluminum Anodizing Process**
Aluminum anodizing process with sulfuric acid tank located in building E-517.

II.A.5 **Group 2 Dust Collector with HEPA Filter**
Baghouse dust collector with HEPA filter. Located in building M-702. (designated as M-702-DC01)

II.A.6 **Group 1&2 Dust Collectors/Cyclones**
Includes all dust collectors and cyclones in Groups 1 & 2 except for Group 2 Dust Collector M-702-DC01 (HEPA filter). All other dust collectors are identified below.

II.A.7 **Group 1 Dust Collector (designated as E-512-DC01)**
Dust collector for the shim room grit blaster located in building E-512.

II.A.8 **Group 1 Dust Collector (designated as E-512-DC02)**
VTL Dust collector located in building E-512.

II.A.9 **Group 1 Dust Collector (designated as E-512-DC03)**
Soda blast dust collector located in building E-512.

II.A.10 **Group 1 Dust Collector/Cyclone (E-517-DC02)**
Cyclone and baghouse dust collector located in building E-517.

II.A.11 **Group 1 Cyclone (designated as E-517-DC03)**
Cyclone located in Building 517.

II.A.12 **Group 1 Dust Collector (designated as M-508-DC01)**
Dust collector located in building M-508.

II.A.13 **Group 1 Dust Collector (designated as M-508-DC02)**
Dust collector located in building M-508.

II.A.14 **Group 1 Dust Collector (designated as M-508-DC03)**
Dust collector located in building M-508.

II.A.15 **Group 1 Dust Collector (designated as M-508-DC04)**
Grit blast dust collector located in building M-508.

II.A.16 **Group 1 Dust Collector (designated as M-508-DC05)**
Dust collector located in building M-508.

II.A.17 **Group 2 Dust Collector (designated as M-512-DC01)**
Aluminum powder dust collection system located in building M-512.

II.A.18 **Group 2 Dust Collector (designated as M-606-DC01)**
AP vacuum system dust collector located in building M-606.

II.A.19 **Group 2 Dust Collector (designated as M-606-DC02)**
AP feed dust collector located in building M-606.

II.A.20 **Group 2 Dust Collector (designated as M-606-DC03)**
AP feed dust collector located in building M-606.

II.A.21 **Group 2 Dust Collector (designated as M-606-DC04)**
AP feed dust collector located in building M-606.

II.A.22 **Group 3 Wet Collector/Separator Vacuums**
Miscellaneous Vacuum Pumps.

II.A.23 **Group 3 Baghouse (designated as Baghouse)**
One baghouse in building M-145 numbered DC01.

II.A.24 **Group 4 Dust Collectors and Cyclones.**
Located in Building M-218. Includes a HEPA filter at the tail end of the baghouse.

II.A.25 **Group 5 Paint Booth (designated as T-021B-PB01)**
Paint booth located in the south end of building M-079.

II.A.26 **Group 5 HEPA Filters (M-314-DC01 through DC10)**
Ten dust collectors with Sintamatic filters for aluminum (HEPA), located in Building M-314.

II.A.27 **Group 5 Dust Collectors (designated as ALL)**
Includes all dust collectors in Group 5. These dust collectors are identified below.

II.A.28 **Group 5 Dust Collector (designated M-013-DCO1)**
Dust collector equipped with a HEPA filter located in building M-013.

II.A.29 **Group 5 Dust Collector (designated M-013-DC02)**
2DH Pulverizer located in building M-013

II.A.30 **Group 5 Dust Collector (designated M-013-DC03)**
FEM ground product collector located in Building M-013.

II.A.31 **Group 5 Dust Collector (designated M-013-DC04)**
Dust collector system located in building M-013.

II.A.32 **Group 5 Dust Collector (designated M-013-DC05)**
Vacuum conveyance system with a HEPA filter located in building M-013.

II.A.33 **Group 5 Grit Blast Dust Collector (M-103-DC01)**
Grit blast dust collection system located in building M-103.

II.A.34 **Group 5 Dust Collector (designated M-174-DC01)**
AP dust collector equipped with a HEPA filter located in building M-174.

II.A.35 **Group 5 Dust Collector (designated M-174-DC02)**
Wet Scrubber/Dust collector located in west part of building M-174.

II.A.36 **Group 7 All Paint Booths (designated PB-ALL)**
Includes all paint booths in Group 7 identified below.

II.A.37 **Group 7 Paint Booth (designated as M-052-PB01)**
Low Bay Paint Booth located in building M-052.

II.A.38 **Group 7 Paint Booth (designated as M-052-PB02)**
High Bay Paint Booth located in building M-052.

II.A.39 **Group 7 Paint Booth (designated as M-052-PB03)**
Automated Paint Booth located in building M-052

II.A.40 **Group 7 Paint Booth (designated as M-068-PB01)**
Paint Booth located in building M-068.

II.A.41 **Group 7 Paint Booth (designated as M-111-PB01)**
Pit #2 Paint Booth located in building M-111.

II.A.42 **Group 7 Paint Booth (designated as M-111-PB02)**
Pit #3 Paint Booth located in building M-111.

II.A.43 **Group 7 Paint Booth (designated as M-111-PB03)**
Portable Paint Booth located in building M-111.

II.A.44 **Group 7 NON-HEPA Dust Collectors**
Includes all dust collectors in Group 7 except for M-008A-DC01 and M-008A-DC02. These dust collectors are identified below.

II.A.45 **Group 7 Dust Collector (designated as M-005-DC01)**
Tape Preparation Dust Collector located in building M-005.

II.A.46 **Group 7 Dust Collector (designated M-005-DC02)**
Tape Preparation Dust Collector located in building M-005.

II.A.47 **Group 7 Dust Collector (designated M-008-DC01)**
Grit Blast Dust Collector located in building M-008.

II.A.48 **Group 7 Dust Collector (designated M-008-DC02)**
Spencer Tubular Bag Separator located in building M-008.

II.A.49 **Group 7 Dust Collector (designated M-006-DC01)**
Carpenter Shop Dust Collector located in building M-006.

II.A.50 **Group 7 Dust Collector (designated M-052-DC01)**
Group 7- Dust Collector located in building M-052.

II.A.51 **Group 7 Dust Collector (designated M-113-DC01)**
Dust collector - Nozzle Machining (East) located in building M-113.

II.A.52 **Group 7 Dust Collector (designated M-113-DC02)**
Dust collector - Nozzle Machining (West) located in building M-113.

II.A.53 **Group 7 Dust Collector (designated M-113-DC04)**
Dust collection system located in building M-113.

II.A.54 **Group 7 Dust Collector (designated M-179-DC02)**
Dust collector (machining area) located in building M-179.

II.A.55 **Group 7 Dust Collector (designated M-179-DC01)**
Dust collector for grit blaster (south) located in building M-179.

II.A.56 **Group 7 Dust Collector (designated M-179-DC03)**
Dust collector (grit blast pit) located in building M-179.

II.A.57 **Group 7 Dust Collector (designated M-179-DC04)**
Dust collector (soda blast) located in building M-179.

II.A.58 **Group 7 HEPA Dust Collectors (designated HEPA)**
Includes HEPA dust collectors: M-008A-DC01and M-008A-DC02. These dust collectors are described below.

II.A.59 **Group 7- Asbestos Dust Collectors**
Two HEPA dust collectors DC01 & DC02 located in building M-008A.

II.A.60 **Group 8 Paint Booth, Building M86 (designated M86-PB01)**
Paint booth located in building M-86.

II.A.61 **Group 8 Fume Hood, Building M86 (designated M86-FH01)**
Fume Hood with HEPA filtering.

II.A.62 **Group 8 Baghouses and Cyclone (designated All)**
Two baghouses and a cyclone. The baghouses and cyclone are identified below.

II.A.63 **Group 8 Baghouse, Building I-005 (designated I5-DC01)**
Attached to Grit Blaster, located at Building I-005.

II.A.64 **Group 8 Baghouse, Building M86**
Controls emissions from the grind room.

II.A.65 **Group 8 Cyclone, Building M86 (designated M86-DC02)**
Cyclone separator attached to mixer exhaust system.

II.A.66 **Group 9 Dust Collectors (M-397-DC01, & M-397-DC02)**
Two dust collectors located on the east and south sides of building M-397.

II.A.67 **Group 9 Grit Blast Dust Collector (M-066B-DC01)**
Controls emissions from grit blasting. Located in building M-066B.

II.A.68 **Group 9 Silicone Room Exhaust Hood (M-397-PB01)**
Exhaust hood located in room M-397.

II.A.69 **Group 10 Paint Booth, Building M-043 (M-043-PB01)**
Paint Booth located in building M-043.

II.A.70 **Group 10 Burn Off Oven**
Propane-Fired Burn-Off Oven with afterburner.

II.A.71 **Group 10 Dust Collector, Building M-043 (M-043-DC01)**
Dust collection system equipped with HEPA Filter.

II.A.72 **Group 10 Dust Collectors (designated as ALL)**
Includes dust collectors in Group 10 except for M-043-DC01. These dust collectors are identified below.

II.A.73 **Group 10 Dust Collector, Building M-585 (M-585-DC03)**
Used for Tag End/Prep Test

II.A.74 **Group 10 Dust Collector, Building M-053 (M-053-DC01)**
Controls emissions from Building M-053.

II.A.75 **Group 10 Cyclone/Baghouse, Building M-053 (M-053-DC03)**
Located in furnace room.

II.A.76 **Group 11 Activities (designated as G11)**
Includes testing of: propellant, explosives, pyrotechnic materials (PEP), hydrocarbon fuels, rocket components, cases, tanks, and various other activities. Permitted activities cover non-PEP emissions. Buildings include: T-075, T-075A, and T-075B.

II.A.77 **PEP Testing and Burning (designated as PEP)**
Testing & burning of propellant, explosives, and pyrotechnic materials. Does not include large motor testing at T-24 or T-97. Testing & burning is conducted at Lampo Junction (28 miles w. of Brigham City).

II.A.78 **Degreasers (designated as SKD)**
Parts cleaners located throughout the site.

II.A.79 **M-705 Waste Water Treatment Facility (M-705)**
Includes the following process treatment equipment: AP, HMX, Nitroglycerin, Mixed Wastewater, and Isopropanol Distillation. Also includes an Impinjet Wet Gas Scrubber (equipped with a spray chamber and cyclone), and an HCL Storage Tank Scrubber (packed column scrubber with mist eliminator).

II.A.80 **All Natural Gas & Diesel Boilers (NGB&DB-ALL)**
All natural gas and diesel boilers located on site.

II.A.81 **Natural Gas Fired Boilers (NGB-ALL)**
All Natural gas fired boilers located on site, in buildings noted below. These boilers use fuel oil for back up. Subject to 40 CFR Part 63, Subpart DDDDD.

II.A.82 **Natural Gas Fired Boilers, Building M-010 (NGB-M-010)**
Three natural gas fired boilers with approximate ratings of 8.37 MM Btu/hr each.

II.A.83 **N.G. NSPS Boilers, Buildings M-072, M-576, and M-705.**
40 CFR Part 60, Subpart Dc, NSPS boilers. The Building M-072 Cleaver Brooks boiler has an approximate rating of 12.55 MM Btu/hr. The Building M-576 Wickes boiler (reconstructed with a Cleaver Brooks burner) has an approximate rating of 71.00 MM Btu/hr with a burner rating of 9 ppm for

NO_x. The Building M-705 Cleaver Brooks boiler has an approximate rating of 12.55 MM Btu/hr with a burner rating of 9 ppm for NO_x. These boilers use diesel as back-up.

II.A.84 **Natural Gas Fired Pre-NSPS Boilers (Non-NSPS)**
Pre-NSPS natural gas fired boilers identified below.

II.A.85 **Natural Gas Boilers, Building M-14 (NGB-M-14)**
Two natural gas fired boilers with approximate ratings of 25.11 MM Btu/hr each.

II.A.86 **Natural Gas Boilers, Building M-033 (NGB-M-033)**
Two boilers with approximate ratings of 12.55 MM Btu/hr and 16.74 MM Btu/hr.

II.A.87 **Natural Gas Boiler, Building M-576 (NGB-M-576)**
Wickes Natural gas fired boiler with approximate rating of 71.00 MM Btu/hr. Burner rating greater than 30 ppm NO_x (This boiler has the original Wicks burner).

II.A.88 **Natural Gas Fired Boilers, Building A-009 (NGB-A-009)**
Three natural gas fired boilers with approximate ratings of 8.37 MM Btu/hr each.

II.A.89 **Natural Gas Fired Boilers, Building M-033 (NGB-M-033)**
Two natural gas fired boilers with approximate ratings of 8.37 MM Btu/hr each.

II.A.90 **Natural Gas Fired Boilers, Building M-072 (NGB-M-072)**
Two natural gas fired boilers with approximate ratings of 8.37 MM Btu/hr each.

II.A.91 **Natural Gas Fired Boiler, Building M-348 (NGB-M-348)**
One natural gas fired boiler with an approximate rating of 6.28 MM Btu/hr.

II.A.92 **All Diesel Fired Boilers (designated as DB-ALL)**
All diesel fired boilers located on site, in buildings noted below. Subject to 40 CFR Part 63, Subpart DDDDD.

II.A.93 **Diesel Fired Boilers, Building M-205 (DB-M-205)**
Two diesel fired boilers with approximate ratings of 5.23 and 8.37 MM Btu/hr each.

II.A.94 **Diesel Fired Boilers, Building M-338 (DB-M-338)**
One diesel fired boiler with an approximate rating of 2.51 MM Btu/hr.

II.A.95 **Diesel Fired Boilers, Building T-001 (DB-T-001)**
One diesel fired boiler with an approximate rating of 2.09 MM Btu/hr.

II.A.96 **Diesel Fired Boilers, Building T-004A (DB-T-004A)**
One diesel fired boiler with an approximate rating of 0.84 MM Btu/hr.

II.A.97 **Diesel Fired Boilers, Building T-006A (DB-T-006A)**
One diesel fired boiler with an approximate rating of 2.09 MM Btu/hr.

II.A.98 **Diesel Fired Boilers, Building T-014E (DB-T-014E)**
One diesel fired boiler with an approximate rating of 6.15 MM Btu/hr.

II.A.99 **Diesel Fired Boilers, Building T-015A (DB-T-015A)**
One diesel fired boiler with an approximate rating of 1.67 MM Btu/hr.

II.A.100 **Diesel Fired Boilers, Building T-017A (DB-T-017A)**
One diesel fired boiler with an approximate rating of 2.09 MM Btu/hr.

II.A.101 **Diesel Fired Boilers, Building T-018A (DB-T-018A)**
One diesel fired boiler with an approximate rating of 1.67 MM Btu/hr.

II.A.102 **Diesel Fired Boilers, Building T-021A (DB-T-021A)**
One diesel fired boiler with an approximate rating of 3.35 MM Btu/hr.

II.A.103 **Diesel Fired Boilers, Building T-023 (DB-T-023)**
One diesel fired boiler with an approximate rating of 1.05 MM Btu/hr.

II.A.104 **Diesel Fired Boilers, Building T-024A (DB-T-024A)**
One diesel fired boiler with an approximate rating of 2.51 MM Btu/hr.

II.A.105 **Diesel Fired Boilers, Building T-051A (DB-T-051A)**
One diesel fired boiler with an approximate rating of 2.51 MM Btu/hr.

II.A.106 **Diesel Fired Boilers, Building T-097A (DB-T-097A)**
One diesel fired boiler with an approximate rating of 4.18 MM Btu/hr.

II.A.107 **Diesel Fired Boilers, Building T-111 (DB-T-111)**
Two diesel fired boilers with approximate ratings of 5.23 MM Btu/hr each.

II.A.108 **Diesel Fired Boilers, Portable (DB-Port)**
Two portable diesel boilers with approximate ratings of 2.09 and 4.18 MM Btu/hr each.

II.A.109 **All Stationary Emergency Generators**
All stationary generators located at ATK Launch Systems. Described below:

II.A.110 **Existing CI Emergency Generators < or = 500hp**
Units are subject to 40 CFR Part 63, Subpart ZZZZ and are described below:

II.A.111 **Generator located in building M111.**

1985 Caterpillar Cat 3208 Gen Set, 60 kW, 80 hp, Existing <500 hp.

II.A.112 **Generator located in building M705.**
1994 Generac Generator, 35 kW, 47 hp, Existing <500 hp.

II.A.113 **Generator located in building T091.**
1970 Caterpillar 3412DI, 300 kW, 402 hp, Existing <500 hp.

II.A.114 **Generator located in building T24H (Pump Station).**
1990 Cummins 6CT0097, 80 kw, 107 hp, Existing <500 hp.

II.A.115 **Generator located in building E541 (WWTP).**
1994 Caterpillar 3306 BDI, 205 kW, 335 hp, Existing <500 hp.

II.A.116 **Generator located in building T111 (Boiler House).**
Cummins 35.ODGBB, 35 kW, 47 hp Existing <500 hp.

II.A.117 **Generator located in Building M14A (Compressor Building).**
1985 Cummins, 230 kW, 308 hp Existing <500 hp.

II.A.118 **Generator in building 424 (WW lift station).**
Cummins 35.ODGBB, 35 kW, 47 hp, Existing <500 hp.

II.A.119 **Generator located in building M325**
1991 ONAN 6CT8.3-G, 35 kW, 47 hp, Existing <500 hp

II.A.120 **Generator located in building M199**
1984 Cummins VTA28GS2, 60 kW, 80 hp, Existing <500 hp

II.A.121 **Generator located in building M055**
1989 Cummins BTA 5.7, 80 kW, 107 hp, Existing <500 hp

II.A.122 **Generator located in building M576 (Boiler house)**
1997 ONAN 200DGFC, 200 kW, 268 hp, Existing <500 hp.

II.A.123 **Generator located in building M-515**
1959, 322 kW, 432 hp, Existing <500 hp

II.A.124 **Generator located in building M-516**
1959, 322 kW, 432 hp, Existing < 500 hp

II.A.125 **Generator located in building M-639**
1959, 322 kW, 432 hp, Existing < 500 hp

II.A.126 **Generator located in building M-640**
1959, 322 kW, 432 hp. Existing < 500 hp

II.A.127 **Generator located in building M-641**
1959, 322 kW, 432 hp, Existing < 500 hp

II.A.128 **Generator located in building M-642**
322 kW, 432 hp, Existing < 500 hp

II.A.129 **New CI Emergency Generators < or = 500hp**
Subject to NSPS IIII referenced through MACT ZZZZ. Units are described below:

II.A.130 **Portable Generator located in building M006**
Located in storage yard, 2008 Kohler Power System, 186hp. New <500hp

II.A.131 **Generator located in building M-340**
2015 Generac, 60 kW, 93 hp. New <500hp

II.A.132 **Generator located in building E-519 I**
2010 Generac, 35 kW, 47 hp. New <500hp

II.A.133 **Generator located in building M421 (Storage Pad)**
2006 Caterpillar Portable Generator, 20 kW, 27 hp, New <500hp

II.A.134 **Generator located in building S-546**
2017 Generac, 60 kw, 93 hp, new <500 hp

II.A.135 **Existing CI Emergency Generators >500hp**
Units are described below:

II.A.136 **Generator located in building A-001**
1997, 1,000 kW, 1340 hp, Existing >500 hp

II.A.137 **Generator located in building M-315.**
1985, 610 kW, 900 hp, Existing>500 hp

II.A.138 **Generator located in building M-422F**
1994, 664 kW, 890 hp, Existing >500 hp

II.A.139 **Generator located in building M-427**
1996, 1183 kW, 1586 hp, Existing >500 hp

II.A.140 **Generator located in building M-021**
610 kW, 900 hp, Existing >500 hp

II.A.141 **Generator located in building M-199**
610 kW, 900 hp, Existing >500 hp

II.A.142 **New CI Emergency Generators >500hp**
Subject to NSPS IIII. Units are described below:

II.A.143 **Generator located in building A-001B**
1,000 kW, 1474 hp, New > 500 hp.

II.A.144 **Generator located in building M-016**
2008, 565 kW), 757 hp, New > 500 hp.

II.A.145 **Mobile Emergency Generators.**
Listed for identification purposes only. No unit specific requirements.

II.A.146 **Generator located in building M006**
2008 Brown Big Bubba Flat Bed w/ Generac, 250 KW, 335 hp New <500hp

II.A.147 **Generator located in building M006**
2008 Brown Big Bubba Flat Bed w/ Generac, 250 KW, 335 hp New <500hp

II.A.148 **Generator located in building M085**
Mobile Generator, 100 kW, 134 hp (Non-Road engine).

II.A.149 **Existing SI Emergency Generators < or = 500hp**
Subject to MACT ZZZZ. Units are described below:

II.A.150 **Propane Emergency Generator in building M002**
Propane fired generator. Located by Cafeteria. Installed in 2015, 11 kW, 15 hp

II.A.151 **Generator located in building E522 (Fire Station).**
2004 ONAN PRO 6000E Generator, Gas (6kW), 6 hp Existing <500 hp

II.A.152 **Generator located in building M011 (Fire Station)**
2004 ONAN PRO 6000E Generator, Gas (6kW), 6 hp Existing <500 hp.

II.A.153 **Nitrogen Process Reactors**
Reactors with the following capacities: 500 gallons, 200 gallons, 50 gallons, and 20 gallons. Located in building M-590. All process exhaust is routed through a counter-current (packed tower) scrubber before being vented to the atmosphere. (designated as Building-M-590-Explosives-and-Energetics)

II.A.154 **Catalyst Ozone Destructors**
Catalyst ozone destructors which are control equipment for the wastewater treatment process. These units destroy excess ozone from the ozone contact tanks. The ozone destructors are located in buildings E-541 and M-422. No unit-specific applicable requirements. (designated as WW1 &WW2)

II.A.155 **Large Motor Testing**
Testing bays for large motors. (designated as T-24 & T-97 Test Bays)

II.A.156 **Test bay T-24**
Testing bay for motors up to 1.1 x 10^6 lb motors. (designated as T-24)

II.A.157 **Test bay T-97**
Testing bay for motors up to 1.4 x 10^6 lb motors. (designated as T-97)

II.A.158 **Open Burning Activities**
Includes: open burning, open detonation (OBOD) activities.

II.B **Requirements and Limitations.**

The following emission limitations, standards, and operational limitations apply to the permitted facility as indicated:

II.B.1 **Conditions on permitted source.**

II.B.1.a **Condition:**

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected emission unit, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [R307-401-8(2) and 40 CFR 60.11(d)]. [40 CFR 60 Subpart A, R307-401-8(2)]

II.B.1.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.a.2 **Recordkeeping:**

Permittee shall document activities performed to assure proper operation and maintenance. Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.b **Condition:**

Visible emissions from abrasive blasting operations shall not exceed 40% opacity, except for an aggregate period of three minutes in any one hour. [R307-206]. [R307-206]

II.B.1.b.1 **Monitoring:**

Visible emission evaluation of abrasive blasting operations shall be conducted at least quarterly in accordance Provision I.S.1 of this permit and the following provisions:

(A)Visible emissions shall be measured using EPA Method 9. Visible emissions from intermittent sources shall use procedures similar to Method 9, but the requirement for observations to be made at 15 second intervals over a six-minute period shall not apply.

(B) Visible emissions from unconfined blasting shall be measured at the densest point of the emission after a major portion of the spent abrasive has fallen out, at a point not less than five feet nor more than twenty-five feet from the impact surface from any single abrasive blasting nozzle.

(C) An unconfined blasting operation that uses multiple nozzles shall be considered a single source unless it can be demonstrated by the owner or operator that each nozzle, measured separately, meets the emission and performance standards provided in R307-206-2 through 4.

(D) Visible emissions from confined blasting shall be measured at the densest point after the air contaminant leaves the enclosure.

II.B.1.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.c **Condition:**

Sulfur content of any fuel oil burned shall be no greater than 0.85 lb/MMBtu heat input, with the exception of more stringent fuel sulfur limits specified elsewhere in this permit. [R307-203-1(1)]. [R307-203-1]

II.B.1.c.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.c.2 **Recordkeeping:**

The permittee shall maintain records of each delivery of fuel oil. Records shall include the name of the supplier, and a statement from the supplier that the oil complies with the specifications under the definition of distillate oil*. Records shall be maintained in accordance with Provision I.S.1 of this permit.

*Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 9, or 98, "Standard Specifications for Fuel Oils.".

II.B.1.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.d **Condition:**

Solvents containing volatile organic compounds (VOC) or hazardous air pollutants (HAPs) shall be kept in covered containers when not in use. [DAQE-AN160230001-20]]. [R307-401-8]

II.B.1.d.1 **Monitoring:**

All employees who use VOC or HAP containing solvents shall receive training at least once per calendar year regarding storage requirements. All new employees shall be trained upon hiring. Initial and annual refresher training shall include identification of: VOC or HAP containing solvents, the difference between containers in use and containers not in use, and appropriate storage of VOC or HAP containing solvents when not in use.

II.B.1.d.2 **Recordkeeping:**

Records shall be maintained to demonstrate that employees have been trained. The records shall include a list of all current personnel requiring training, and a record of the date that each employee is trained.

II.B.1.d.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.e **Condition:**

A Risk Management Plan (RMP) developed in accordance with 40 CFR Part 68 shall be submitted to the United States Environmental Protection Agency not later than the applicable date in 40 CFR 68. [40 CFR Part 68]. [40 CFR 68]

II.B.1.e.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.e.2 **Recordkeeping:**

A copy of the Risk Management Plan shall be available to the Director upon request along with a copy of the transmittal letter to EPA.

II.B.1.e.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.f **Condition:**

The permittee shall comply with the applicable requirements for servicing of motor vehicle air conditioners pursuant to 40 CFR 82, Subpart B - Servicing of Motor Vehicle Air Conditioners. [40 CFR 82.30(b)]. [40 CFR 82]

II.B.1.f.1 **Monitoring:**

The permittee shall certify, in the annual compliance statement required in Section I of this permit, its compliance status with the requirements of 40 CFR 82, Subpart B.

II.B.1.f.2 **Recordkeeping:**

All records required in 40 CFR 82, Subpart B shall be maintained consistent with the requirements of Provision S.1 in Section I of this permit.

II.B.1.f.3 **Reporting:**

All reports required in 40 CFR 82, Subpart B shall be submitted as required. There are no additional reporting requirements except as outlined in Section I of this permit.

II.B.1.g **Condition:**

The permittee shall comply with the applicable requirements for recycling and emission reduction for class I and class II refrigerants pursuant to 40 CFR 82, Subpart F - Recycling and Emissions Reduction. [40 CFR 82.150(b)]. [40 CFR 82]

II.B.1.g.1 **Monitoring:**

The permittee shall certify, in the annual compliance statement required in Section I of this permit, its compliance status with the requirements of 40 CFR 82, Subpart F.

II.B.1.g.2 **Recordkeeping:**

All records required in 40 CFR 82, Subpart F shall be maintained consistent with the requirements of Provision S.1 in Section I of this permit.

II.B.1.g.3 **Reporting:**

All reports required in 40 CFR 82, Subpart F shall be submitted as required. There are no additional reporting requirements except as outlined in Section I of this permit.

II.B.1.h **Condition:**

The permittee shall comply with all applicable standards of 40 CFR Part 63, Subparts GG (NESHAPS for Aerospace Manufacturing and Rework Facilities) and A (General Provisions). [40 CFR Part 63, Subparts GG and A]. [40 CFR 63 Subpart A, 40 CFR 63 Subpart GG]

II.B.1.h.1 **Monitoring:**

The permittee shall comply with all applicable performance-testing and monitoring requirements of 40 CFR Part 63, Subparts GG and A.

II.B.1.h.2 **Recordkeeping:**

The permittee shall comply with the recordkeeping requirements in Section I.S.1 of this permit and any additional recordkeeping requirements in 40 CFR Part 63, Subparts GG and A as applicable.

II.B.1.h.3 **Reporting:**

The permittee shall comply with the reporting requirements in Section I of this permit and any additional reporting and notification requirements in 40 CFR Part 63, Subparts GG and A as applicable.

II.B.1.i **Condition:**

The permittee shall comply with the applicable requirements for labeling of products using ozone depleting substance pursuant to 40 CFR 82, Subpart E - Labeling of Products Using Ozone-Depleting Substances. [40 CFR 82.102]. [40 CFR 82]

II.B.1.i.1 **Monitoring:**

The permittee shall certify, in the annual compliance statement required in Section I of this permit, its compliance status with the requirements of 40 CFR 82, Subpart E.

II.B.1.i.2 **Recordkeeping:**

All records required in 40 CFR 82, Subpart E shall be maintained consistent with the requirements of Provision S.1 in Section I of this permit.

II.B.1.i.3 **Reporting:**

All reports required in 40 CFR 82, Subpart E shall be submitted as required. There are no additional reporting requirements except as outlined in Section I of this permit.

II.B.1.j **Condition:**

(1) For all solvent cleaning operations, the permittee shall not use solvent products with a VOC content greater than the amounts specified in Table 1.

Table 1 Solvent Cleaning VOC Limits
(excluding water and solvents exempt from the definition of volatile organic compounds found in R307-101-2)

Solvent Cleaning Category	VOC Limit (lb/gal)	(g/L)
Coatings, adhesives and ink manufacturing	4.2	500
Electronic parts and components	4.2	500
Medical devices and pharmaceutical		
Tools, equipment and machinery	6.7	800
General surface cleaning	5.0	600
Screening printing operations	4.2	500
Semiconductor tools, maintenance and equipment cleaning	6.7	800
Advanced composites manufacturing	6.7	800

(2) As an alternative to the limits in Table 1 and for all general miscellaneous cleaning operations, the permittee may use a cleaning material with a VOC composite vapor pressure no greater than 8 mm Hg at 20 degrees Celsius.

(3) The permittee shall store used applicators and shop towels in closed fireproof containers.

These requirements do not apply to the exemptions listed in R307-304-3, including operations that are exclusively covered by Department of Defense military technical data and performed by a Department of Defense contractor and/or on site at installations owned and/or operated by the United States Armed Forces; janitorial cleaning; graffiti removal; solvent cleaning in laboratory tests and analysis and research and development projects; cleaning with aerosol products; cleaning solvents that are defined as a consumer product in R307-357; and cleaning of solar cells, laser hardware, scientific instruments, and high-precision optics. [R307-304]. [R307-304]

II.B.1.j.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.j.2 **Recordkeeping:**

The permittee shall maintain records demonstrating compliance with this condition. Records shall include the VOC content or composite vapor pressure of the solvent product applied. Records shall be maintained in accordance with Provision I.S.1 of this permit and shall be available to the director upon request.

II.B.1.j.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.2 **Conditions on Groups 1-10 (GP (1-10))**

II.B.2.a **Condition:**

The emissions of volatile organic compounds (VOC) and hazardous air pollutants (HAPs) from all operations located in Groups 1-10 shall not exceed:

75.0 tons VOC per rolling 12-month period
0.05 tons of 2,4-Toluene Diisocyanate per rolling 12-month period
0.5 tons of 4,4-Methylenebiphenyl per rolling 12-month period
2.0 tons of Chloroform per rolling 12-month period
0.01 tons of Chromium (VI) per rolling 12-month period
0.03 tons of Chromium Compounds per rolling 12-month period
2.00 tons of Ethyl Benzene per rolling 12-month period
2.00 tons of Formaldehyde per rolling 12-month period
0.6 tons of Hexamethylene Diisocyanate per rolling 12-month period
3.0 tons of Methanol per rolling 12-month period
10.0 tons of Methyl Chloroform (TCA) per rolling 12-month period
1.5 tons of Methyl Isobutyl Ketone per rolling 12-month period
19.0 tons of Methylene Chloride (MeCl) per rolling 12-month period
15.0 tons of Phenol per rolling 12-month period
3.0 tons of Toluene per rolling 12-month period
1.0 tons of Trichloroethylene per rolling 12-month period
8.0 tons of Xylenes per rolling 12-month period

[DAQE-AN160230001-20]. [R307-401-8]

II.B.2.a.1 **Monitoring:**

Compliance with the limitation shall be demonstrated through a rolling 12-month total. The permittee shall calculate a new 12-month total by the 20th day of each month using data from the previous 12 months.

II.B.2.a.2 **Recordkeeping:**

VOC and HAPs emissions shall be determined by maintaining a record of VOC, HAP, and etc emitting materials used each month. The records shall include the following data for each material used:

(A) Name of the VOC and HAPs emitting material, such as; paint, adhesive, solvent, thinner, reducers, chemical compounds, toxics, isocyanates, etc.

(B) Density of each material used (pounds per gallon).

(C) Percent by weight of VOC and HAPs in each material used.

(D) Gallons of each VOC or HAPs emitting material used each month.

(E) The amount of VOC and HAPs emitted monthly by each material used, calculated by the following procedure:

VOC = (% VOC by Weight/100) x (Density lb/gal) x (Gal Consumed) x (1 ton/2000 lb)

HAPs= (% HAP by Weight/100) x (Density lb/gal) x (Gal Consumed) x (1 ton/2000 lb)

(F) The total amount of VOC and HAPs emitted monthly from all materials used.

(G) The amount of VOC and HAPs reclaimed for the month shall be similarly quantified and subtracted from the quantities calculated above, to provide the monthly total VOC and HAP emissions.

II.B.2.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.3 **Conditions on Group 1 Paint Boot**

II.B.3.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]]. [R307-401-8]

II.B.3.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the spray booth particulate capture system shall be inspected before each use to verify that it is functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in the particulate filters.

(B) Inspection of the particulate filters to determine proper installation within the support rack.

(C) Inspection of the exhaust fan to ensure that it is operating.

II.B.3.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.3.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.4 **Conditions on Group 1 Aluminum Anodizing Process.**

II.B.4.a **Condition:**

When the Anodizing Process is in operation, the operating temperature of the sulfuric acid tank shall not be more than 75 degrees F for more than five minutes and the sulfuric acid concentration shall not be more than 276 g/l. [DAQE-AN160230001-20]. [R307-401-8]

II.B.4.a.1 **Monitoring:**

The temperature monitoring device must be certified by the manufacturer to be accurate within plus or minus 5 degrees F and must be calibrated on an annual basis in accordance with the manufacturer's instructions.

Recordkeeping for this condition shall also serve as monitoring.

II.B.4.a.2 **Recordkeeping:**

When the anodizing process is being operated, the temperature of the sulfuric acid tank shall be recorded at a minimum of once per calendar day and the sulfuric acid tank shall be sampled at a minimum of once each week for sulfuric acid concentration following the approved procedures in Standard Lab Procedure 538 (SLP-538) dated September 27, 1982 and submitted to DAQ on August 31, 2009.

Records of temperature and acid concentration shall be kept on site. ATK Launch Systems shall also record any calculations used to compute concentrations. Records of manufacturer's instructions, certification of accuracy, and calibration results shall be kept on-site. Records shall include:

(A) Date of monitoring and calibration
(B) Date analyses were performed.
(C) Company or entity that performed the analyses.
(D) Analytical techniques or methods used.
(E) Results of such analyses.

II.B.4.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.5 **Conditions on Group 2 Dust Collector with HEPA Filter (M-702-DC01).**

II.B.5.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.5.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the HEPA filters shall be inspected every six months to verify that they are functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in HEPA filters.

(B) Inspection of HEPA filters to determine proper installation.

II.B.5.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.5.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.6 **Conditions on Group 1 & 2 Dust Collectors/Cyclones (except for Group 2 Dust Collector M-702-DC01 (HEPA filter))**

II.B.6.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.6.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey of each baghouse/dust collector shall be performed at the frequency specified in (D) below, by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the baghouse/dust collector is in operation.

(B) If visible emissions other than steam are observed from the baghouse, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the baghouse/dust collector is in operation.

(C)The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

(D)

Unit ID	Monitoring Frequency
E-512-DC01	three-months
E-512-DC02	three-months
E-512-DC03	three-months
E-517-DC02	weekly
M-508-DC01	weekly
M-508-DC02	weekly
M-508-DC03	daily, four times per week if operating

M-508-DC04	daily, four times per week if operating
M-508-DC05	three-months
M-512-DC01	three-months
M-606-DC01	three-months
M-606-DC02	three-months
M-606-DC03	three-months
M-606-DC04	three-months.

II.B.6.a.2 **Recordkeeping:**

For visual opacity surveys, a log of monitoring results shall be maintained including: dates and times of surveys; identification of each dust collector being surveyed; and whether or not visible emissions were observed.

For each opacity determination, all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded.

II.B.6.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.7 **Conditions on Group 3 Baghouse (Baghouse).**

II.B.7.a **Condition:**

Visible emissions shall be no greater than 20 percent opacity for the cyclones and 10 percent opacity for the baghouse [DAQE-AN160230001-20]. [R307-401-8]

II.B.7.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed every three-months by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the baghouse/dust collector is in operation.

(B) If visible emissions other than steam are observed from the baghouse, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the baghouse/dust collector is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.7.a.2 **Recordkeeping:**

For visual opacity surveys, a log of monitoring results shall be maintained including: dates and times of surveys; identification of each emissions unit being surveyed; and whether or not visible emissions were observed.

For each opacity determination, all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded.

II.B.7.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.8 **Conditions on Group 4 Dust Collectors**

II.B.8.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.8.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed every three-months by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the baghouse/dust collector is in operation.

(B) If visible emissions other than steam are observed from the baghouse, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the baghouse/dust collector is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.8.a.2 **Recordkeeping:**

For visual opacity surveys, a log of monitoring results shall be maintained including: dates and times of surveys; identification of each dust collector being surveyed; and whether or not visible emissions were observed.

For each opacity determination, all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded.

II.B.8.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.9 **Conditions on Group 5 Paint Booth (designated as T-021B-PB01)**

II.B.9.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.9.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the spray booth particulate capture system shall be inspected before each use to verify that it is functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in the particulate filters.

(B) Inspection of the particulate filters to determine proper installation within the support rack.

(C) Inspection of the exhaust fan to ensure that it is operating.

II.B.9.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.9.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.10 **Conditions on Group 5- HEPA Filters (M-314-DC01 through DC10)**

II.B.10.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.10.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the HEPA filters shall be inspected every six months to verify that they are functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in HEPA filters.

(B) Inspection of HEPA filters to determine proper installation.

II.B.10.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.10.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.11 **Conditions on Group 5 Dust Collectors (ALL)**

II.B.11.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.11.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey of each baghouse/dust collector shall be performed at the frequency specified in (D) below, by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the baghouse/dust collector is in operation.

(B) If visible emissions other than steam are observed from the baghouse, an opacity

determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the baghouse/dust collector is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

(D) Unit ID	Monitoring Frequency
M-013-DC01	three-months
M-013-DC02	three-months
M-013-DC03	three-months
M-013-DC04	weekly
M-013-DC05	three-months
M-103-DC01	weekly
M-174-DC02	three-months.

II.B.11.a.2 **Recordkeeping:**

For visual opacity surveys, a log of monitoring results shall be maintained including: dates and times of surveys; identification of each dust collector being surveyed; and whether or not visible emissions were observed.
For each opacity determination, all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded.

II.B.11.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.12 **Conditions on Group 7- All Paint Booths (PB-ALL)**

II.B.12.a **Condition:**

Visible emissions shall be no greater than 10 % opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.12.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the spray booth particulate capture system shall be inspected before each use to verify that it is functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in the particulate filters.

(B) Inspection of the particulate filters to determine proper installation within the support rack.

(C) Inspection of the exhaust fan to ensure that it is operating.

II.B.12.a.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.12.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.13 **Conditions on Group 7 NON-HEPA Dust Collectors (NON-HEPA)**

II.B.13.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.13.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed on each emissions unit annually, unless specified more frequently (see D. below), by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the emissions unit is in operation.

(B) If visible emissions other than steam are observed from an emissions unit, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the emissions unit is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

(D) Dust collector M-113-DC04 shall be monitored every three-months.

II.B.13.a.2 **Recordkeeping:**

For visual opacity surveys, a log of monitoring results shall be maintained including: dates and times of surveys; identification of each emissions unit being surveyed; and whether or not visible emissions were observed.

For each opacity determination, all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded.

II.B.13.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.14 **Conditions on Group 7 HEPA Dust Collectors (HEPA)**

II.B.14.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.14.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the HEPA filters shall be inspected every six months to verify that they are functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in HEPA filters.

(B) Inspection of HEPA filters to determine proper installation.

II.B.14.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.14.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.15 **Conditions on Group 7- Asbestos Dust Collectors (M-008A- DC01 & DC02)**

II.B.15.a **Condition:**

Filters and dust removed from the HEPA filter system shall be handled in accordance with R307-801 (Asbestos). [R307-801]. [R307-801]

II.B.15.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.15.a.2 **Recordkeeping:**

Records of dust removal shall be maintained in accordance with Section I of this permit and R307-801 as applicable.

II.B.15.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.15.b **Condition:**

The affected emissions unit(s) shall comply with all applicable standards of 40 CFR Part 61- Subpart M (NESHAP for Asbestos), and 40 CFR Part 61-Subpart A (General Provisions). [Authority granted under 40 CFR Part 61, Subpart M; condition originated in 40 CFR Part 61, Subpart M]. [40 CFR 61 Subpart M]

II.B.15.b.1 **Monitoring:**

The affected emissions unit(s) shall comply with all applicable performance-testing and monitoring requirements of 40 CFR Part 61, Subparts M and A.

II.B.15.b.2 **Recordkeeping:**

The permittee shall comply with the recordkeeping requirements in Section I.S.1 of this permit and any additional recordkeeping requirements in 40 CFR Part 61, Subparts M and A as applicable.

II.B.15.b.3 **Reporting:**

The permittee shall comply with the reporting requirements in Section I of this permit and any additional reporting and notification requirements in 40 CFR Part 61, Subparts M and A as applicable.

II.B.16 **Conditions on Group 8 Paint Booth, Building M86 (M86-PB01)**

II.B.16.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.16.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the spray booth particulate capture system shall be inspected before each use to verify that it is functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in the particulate filters.

(B) Inspection of the particulate filters to determine proper installation within the support rack.

(C) Inspection of the exhaust fan to ensure that it is operating.

II.B.16.a.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.16.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.17 **Conditions on Group 8 Fume Hood, Building M86 (M86-FH01)**

II.B.17.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.17.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the HEPA filters shall be inspected every six months to verify that they are functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in HEPA filters.

(B) Inspection of HEPA filters to determine proper installation.

II.B.17.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.17.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.18 **Conditions on Group 8 Baghouses and Cyclone (All)**

II.B.18.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.18.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed on each baghouse/dust collector every three-months by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the baghouses/dust collectors are in operation.

(B) If visible emissions other than steam are observed, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the baghouse/dust collector is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.18.a.2 **Recordkeeping:**

Results of observations and all data required by 40 CFR, Part 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.18.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.19 **Conditions on Group 9 Dust Collectors (M-397-DC01 and M-397-DC02)**

II.B.19.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.19.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed every three-months by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the baghouse/dust collector is in operation.

(B) If visible emissions other than steam are observed from the baghouse, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the baghouse/dust collector is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.19.a.2 **Recordkeeping:**

For visual opacity surveys, a log of monitoring results shall be maintained including: dates and times of surveys; identification of each dust collector being surveyed; whether or not the dust

collector has been in operation since the previous monitoring event; and whether or not visible emissions were observed for each opacity determination, all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded.

II.B.19.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.20 **Conditions on Group 9 Grit Blast Dust Collector (M-066B-DC01)**

II.B.20.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.20.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed daily, four times a week (if operating) by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the baghouse/dust collector is in operation.
(B) If visible emissions other than steam are observed from the baghouse, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the baghouse/dust collector is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.20.a.2 **Recordkeeping:**

For visual opacity surveys, a log of monitoring results shall be maintained including: dates and times of surveys; identification of each dust collector being surveyed; whether or not the dust collector has been in operation since the previous monitoring event; and whether or not visible emissions were observed
For each opacity determination, all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded.

II.B.20.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.21 **Conditions on Group 9 Silicone Room Exhaust Hood (M-397-PB01)**

II.B.21.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.21.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the spray booth particulate capture system shall be inspected before each use to verify that it is functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in the particulate filters.

(B) Inspection of the particulate filters to determine proper installation within the support rack.

(C)Inspection of the exhaust fan to ensure that it is operating.

II.B.21.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.21.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.22 **Conditions on Group 10 Paint Booth, Building M-043 (M-043-PB01)**

II.B.22.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.22.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the spray booth particulate capture system shall be inspected before each use to verify that it is functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in the particulate filters.

(B) Inspection of the particulate filters to determine proper installation within the support rack.

(C) Inspection of the exhaust fan to ensure that it is operating.

II.B.22.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.22.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.23 **Conditions on Group 10 Burn-off oven (designated S-503-OV01)**

II.B.23.a **Condition:**

Visible emissions from the combustion stack shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.23.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed every three-months by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the emissions unit is in operation.

(B) If visible emissions other than steam are observed, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the emissions unit is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.23.a.2 **Recordkeeping:**

Results of observations and all data required by 40 CFR, Part 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.23.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.24 **Conditions on Group 10 Dust Collector, Building M-043 (M-043-DC01)**

II.B.24.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.24.a.1 **Monitoring:**

In lieu of monitoring via visible emissions observations, the HEPA filters shall be inspected every six months to verify that they are functioning properly. Inspections shall consist of the following observations:

(A) Inspection for holes in HEPA filters.

(B) Inspection of HEPA filters to determine proper installation.

II.B.24.a.2 **Recordkeeping:**

Records of inspections shall be maintained as described in I.S.1 of this permit.

II.B.24.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.25 **Conditions on Group 10 Dust Collectors (ALL)**

II.B.25.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [DAQE-AN160230001-20]. [R307-401-8]

II.B.25.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed on each baghouse/dust collector every three-months by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the baghouses/dust collectors are in operation.

(B) If visible emissions other than steam are observed, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the baghouse/dust collector is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.25.a.2 **Recordkeeping:**

Results of observations and all data required by 40 CFR, Part 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.25.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.26 **Conditions on Group 11 Activities (G11)**

II.B.26.a **Condition:**

Fuel consumption shall not exceed the following limits:

1. 52,000 lbs of wood per rolling 12-month period,
2. 31,200 gallons of fuel oils (No. 6 and lower) per rolling 12-month period,
3. 52,000 gallons of LP gas per rolling 12-month period,
4. 5,431,000 standard cubic feet of natural gas per rolling 12-month period, and
5. 26,000 lbs of other combustibles per rolling 12-month period.

Each material used for each test shall not exceed the following amounts on a daily basis:

1. Wood: 2,000 lb.
2. Fuel oil: 1,200 gallons.
3. LP gas: 500 gallons.
4. Natural gas: 52,000 scf
5. Other combustibles: 100 lb.

[DAQE-AN100090124-14]. [R307-401-8]

II.B.26.a.1 **Monitoring:**

Compliance with the 12-month limitations shall be demonstrated by calculating 12-month rolling totals of fuel consumed. A new 12-month total shall be calculated based on the first day of each month, using data from the previous twelve months. Monthly calculations shall be made no later than 20 days after the end of each calendar month.

Fuel weights and types used for each test shall be recorded in the logbook for T-075.

II.B.26.a.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.26.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.27 **Conditions on PEP Testing and Burning (PEP)**

II.B.27.a **Condition:**

The sulfur content of any fuel oil or diesel burned shall not exceed 0.0015 percent by weight. [DAQE-AN100090124-14]. [R307-401-8]

II.B.27.a.1 **Monitoring:**

Sulfur content shall be demonstrated with a fuel specification certification/content guarantee from the supplier, or verified through testing completed by ATK or the fuel supplier using ASTM Method D-4294-10 or approved equivalent.

II.B.27.a.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.27.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.27.b **Condition:**

The amount of propellant, explosives & pyrotechnics (PEP) burned during testing shall not exceed 1.5 million lbs per rolling 12-month period. PEP materials fired and/or tested from devices containing 1.0 lb or less PEP are not included in the above limitation. [DAQE-AN100090124-14]. [R307-401-8]

II.B.27.b.1 **Monitoring:**

Compliance with the limitation shall be demonstrated by calculating a 12-month rolling total of PEP burned. A new 12-month total shall be calculated based on the first day of each month, using data from the previous twelve months. Monthly calculations shall be made no later than 20 days after the end of each calendar month.

II.B.27.b.2 **Recordkeeping:**

Records shall be kept on a daily basis when testing is performed. Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.27.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.28 **Conditions on Degreasers (SKD)**

II.B.28.a **Condition:**

Degreasers shall be kept covered at all times except when necessary for access.

[DAQE-389-96]. [R307-401-8]

II.B.28.a.1 **Monitoring:**

All employees who use degreasers shall receive instruction at least once per calendar year regarding covering requirements. All new employees who use degreasers shall receive these instructions upon hiring.

II.B.28.a.2 **Recordkeeping:**

Records shall be maintained to demonstrate that employees have been trained. The records shall include a list of all current personnel requiring training, and a record of the date that each employee is trained.

II.B.28.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.28.b **Condition:**

The emissions of VOC, and HAPs shall not exceed:

5.0 tons VOC per rolling 12-month period
5.0 tons HAPs per rolling 12-month period.

[DAQE-389-96]. [R307-401-8]

II.B.28.b.1 **Monitoring:**

Compliance with the limitation shall be demonstrated through a rolling 12-month total. Based on the first day of each month, the permittee shall calculate a new 12-month total. Calculations shall be made by the 20th day of each month using data from the previous 12 months.

II.B.28.b.2 **Recordkeeping:**

The plant-wide emissions of VOCs and HAPs emitted to the atmosphere shall be determined by maintaining a record of solvent usage. The record shall be kept on a daily basis. The record shall include the following data for each item used:

(A) Name of the VOC and HAPs emitting solvent

(B) The weight of the VOC potential and HAP potential of the solvent(s) listed in (A) in pounds per gallon

(C) Percent of VOC and each HAP by weight as determined from Material Safety Data Sheets (MSDS)

(D) Copy of delivery invoice and date of delivery

(E) Copy of Uniform Hazardous Waste Manifest for spent solvent shipped off-site

(F) For each different solvent used, the amount of that solvent emitted shall be determined as the difference between solvent deliveries, obtained from delivery invoices, and the solvent disposed, obtained from the Uniform Hazardous Waste Manifest. Records of consumption of VOCs and HAPs shall be kept for all periods when the plant is in operation. Plant-wide VOC and HAP emissions for each different solvent shall be determined in the following manner:

Weight of Solvent consumed = A - B

Where:

A = Solvent deliveries during the month as determined from delivery invoices.

B =Spent solvent shipped off-site during the month as determined from the Uniform Hazardous Waste Manifest.

VOC = Weight of solvent consumed * % VOC / 100

HAP = Weight of solvent consumed * % HAP / 100

The VOC and HAP content in pounds for each individual solvent used shall be calculated and then the total of all items shall be summed.

II.B.28.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.28.c **Condition:**

The permittee shall ensure that the following conditions are met:

(1) Each solvent degreaser is equipped with a cover which shall remain closed except during actual loading, unloading or handling of parts in cleaner. The cover shall be designed so that it can be easily operated with one hand if:
(a) the volatility of the solvent is greater than 2 kPa (15 mm Hg or 0.3 psi) measured at 38 degrees C (100 degrees F),
(b) the solvent is agitated, or
(c) the solvent is heated.

(2) An internal draining rack for cleaned parts shall be installed on which parts shall be drained until all dripping ceases. If the volatility of the solvent is greater than 4.3 kPa (32 mm Hg at 38 degrees C (100 degrees F)), the drainage facility must be internal, so that parts are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Waste or used solvent shall be stored in covered containers.

(4) Tanks, containers and all associated equipment shall be maintained in good operating condition and leaks shall be repaired immediately or the degreaser shall be shutdown.

(5) Written procedures for the operation and maintenance of the degreasing or solvent cleaning equipment shall be permanently posted in an accessible and conspicuous location near the equipment.

(6) If the solvent volatility is greater than 4.3 kPa (33 mm Hg or 0.6 psi) measured at 38 degrees C (100 degrees F), or if solvent is heated above 50 degrees C (120 degrees F), then one of the following control devices shall be used:
(a) freeboard that gives a freeboard ratio greater than 0.7;
(b) water cover if the solvent is insoluble in and heavier than water;
(c) other systems of equivalent control, such as a refrigerated chiller or carbon absorption.

(7) If used, the solvent spray shall be a solid fluid stream at a pressure which does not cause excessive splashing and may not be a fine, atomized or shower type spray.
[R307-335-4]. [R307-335-4]

II.B.28.c.1 **Monitoring:**

A visual observation shall be conducted monthly for all equipment and applicable work practices.

II.B.28.c.2 **Recordkeeping:**

Results of monthly inspections and the volatility of the solvent(s) being used shall be recorded and maintained as described in Provision I.S.1 of this permit.

II.B.28.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.29 **Conditions on M-705 Waste Water Treatment Facility (M-705)**

II.B.29.a **Condition:**

Gallons of wastewater treated per rolling 12-month period shall not exceed the following limits for each identified process:

(1) AP Process: 1,051,200 gallons of water.

(2) HMX Process: 2,433,300 gallons of water.

(3) Mixed Waste Process: 10,512,000 gallons of water.

(4) Isopropanol Distillation Process: 525,600 gallons of water.

[DAQE-AN100090130-16]. [R307-401-8]

II.B.29.a.1 **Monitoring:**

Compliance with the limitations above shall be demonstrated by calculating 12-month rolling totals of waste water produced from each process. A new 12-month total shall be calculated based on the first day of each month, using data from the previous twelve months. Monthly calculations shall be made no later than 20 days after the end of each calendar month. The records shall be kept on a daily basis.

II.B.29.a.2 **Recordkeeping:**

Records of monitoring shall be kept on a daily basis during operations. Results of monitoring shall be maintained as described in Provision I.S.1 of this permit.

II.B.29.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.29.b **Condition:**

VOC emissions from the Isopropanol Distillation Process (IPA) and associated operations shall not exceed 5.4 tons per rolling 12-month period.

[DAQE-AN100090130-16]. [R307-401-8]

II.B.29.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.29.b.2 **Recordkeeping:**

Compliance with the limitation shall be determined on a rolling 12-month total. Based on the 1st day of each month a new 12-month total shall be calculated using data from the previous 12 months. Monthly calculations shall be made no later than 20 days after the end of each calendar month.

The emissions of VOCs emitted to the atmosphere shall be determined by maintaining a record of VOC potential contained in materials used each month. The record shall include the following data for each item used:

(A) Name of the VOC emitting material.

(B)The weight and use location of the volatile organic compound potential of the material in pounds per gallon

(C) Percent by weight of all volatile organic compound potential for each individual material from (A) above. ATK can obtain MSDS data from the manufacturers of the materials and retain the information on-site.

(D) Amount and location of materials containing VOCs processed on a monthly basis and summed for every location and for the entire plant each month

(E) To calculate the above potentials contained in the material listed above use the following procedure:

VOC emissions = (tons HMX or RDX delivered) * %IPA/100 - tons IPA recovered - tons IPA disposed as waste

(F) Isopropanol (IPA) emissions shall be determined by a mass balance method as follows:

M-705 IPA VOC emissions = (tons HMX or RDX delivered * %IPA in HMX or RDX/100) + (tons IPA/water solution received from off-site for reclaim* %IPA in solution received from off-

site/100) - (tons IPA solution recovered * %IPA solution recovered/100) - (tons IPA disposed as waste * %IPA in solution disposed as waste).

(G)The amount of volatile organic content potential (potential air emissions) in pounds contained in materials disposed as solid or hazardous waste for the month shall be quantified and subtracted from the quantities calculated above. This is done to allow quantification by the source of the total VOCs emissions.

(H) Records of material processed that contain VOCs shall be kept for all periods when the plant is in operation.

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit. it.

II.B.29.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.30 **Conditions on All Natural Gas And Diesel Fired Boilers (NG&DB-ALL)**

II.B.30.a **Condition:**

Fuel Consumption shall not exceed the following limits:

(1) 1,046,000,000 standard cubic feet of natural gas per 12-month period.

(2) 1,298,400 gallons of fuel oil (No. 1 or No. 2) per 12-month period.

[DAQE-AN100090132-16]. [R307-401-8]

II.B.30.a.1 **Monitoring:**

Compliance with the limitation shall be demonstrated through a rolling 12-month total. Based on the first day of each month, the permittee shall calculate a new 12-month total using billing and delivery records from the previous 12 months. Calculations shall be made by the 20th day of each month.

II.B.30.a.2 **Recordkeeping:**

Natural gas consumption shall be determined by examination of gas billing records. Fuel oil consumption shall be determined by examination of delivery records. Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.30.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.30.b **Condition:**

The sulfur content of any fuel oil or diesel burned shall not exceed 0.0015 percent by weight. [DAQE-AN100090132-16]. [R307-401-8]

II.B.30.b.1 **Monitoring:**

Sulfur content shall be demonstrated with a fuel specification certification/content guarantee from the supplier, or verified through testing completed by ATK or the fuel supplier using ASTM Method D-4294-10 or approved equivalent.

II.B.30.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.30.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.31 **Conditions on Natural Gas Fired Boilers (NGB-ALL)**

II.B.31.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity when operated on natural gas, and 20 percent opacity when operated on back-up fuel oil.

[DAQE-AN100090132-16]. [R307-401-8]

II.B.31.a.1 **Monitoring:**

During periods of natural gas combustion: In lieu of monitoring via visible emission observations, fuel usage shall be monitored to demonstrate that only natural gas is used as fuel.

During periods of fuel oil combustion: A visual opacity survey of each affected emission unit shall be performed at least once every 24 hours during each period of fuel oil usage longer than 24 hours. Visual opacity surveys shall be made by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. The individual is not required to be a certified visible emissions observer (VEO). If any visible emissions are observed, an opacity determination of that emission unit shall be performed by a certified VEO in accordance with 40 CFR 60, Appendix A, Method 9 within 24 hours of the initial observation.

II.B.31.a.2 **Recordkeeping:**

Records of fuel usage shall be maintained to document periods during which natural gas has been burned.

Results of observations and all data required by 40 CFR, Part 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.31.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.31.b **Condition:**

(1) For each Natural gas fired boiler that commenced construction before January 13, 2003, the permittee shall comply with work practice standards (a)-(c) below no later than January 31, 2016 [40 CFR

63.7495(b), 40 CFR 63.7500(a), & 40 CFR 63.7500(a)(1) of Subpart DDDDD]. For each natural gas fired boiler that commenced construction/reconstruction on or after January 13, 2003 the permittee shall demonstrate initial compliance with the work practice standards (1)-(3) below within the applicable annual, biennial, or 5-year schedule as specified in 40 CFR 63.7515(d), following April 1, 2013, or upon startup, whichever is later. Thereafter, the permittee is required to complete the applicable annual, biennial, or 5-year tune-up as specified in 40 CFR 63.7515(d). [40 CFR 63.7495(a), 40 CFR 63.7500(a), 40 CFR 63.7500(a)(1) and 40 CFR 63.7510(g) of Subpart DDDDD]:

(a) Boilers with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in 40 CFR 63.7540(a)(12) [40 CFR 63.7500(e) & Table 3 of 40 CFR Part 63, Subpart DDDDD]. Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up [40 CFR Part 63.7515(d)].

(b) Boilers with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a biennial tune-up as specified in 40 CFR 63.7540(a)(11) [40 CFR 63.7500(e) & Table 3 of 40 CFR Part 63, Subpart DDDDD]. Each tune-up must be conducted no more than 25 months after the previous tune-up [40 CFR Part 63.7515(d)].

(c) Boilers with a heat input capacity greater than 10 million Btu per hour must conduct a tune-up annually as specified in 40 CFR 63.7540(a)(10). This tune-up shall be conducted as a work practice for all regulated emissions regulated under 40 CFR Part 63, Subpart DDDDD [40 CFR 63.7540(10) & Table 3 of 40 CFR Part 63, Subpart DDDDD]. Each tune-up specified in 40 CFR 63.7540(a)(10) must be conducted no more than 13 months after the previous tune-up [40 CFR Part 63.7515(d)].

These work practice standards apply at all times [40 CFR Part 63.7500(a) &(f)] except during periods of startup and shutdown [40 CFR Part 63.7500(f)]. Work practice standards shall be met in accordance with 40 CFR Part 63.7500(a)(1)-(3). As provided in 40 CR 63.6(g), EPA may approve use of an alternative to these work practice standards [40 CFR Part 63.7500(b)].

(2) At all times, the permittee must operate and maintain these boilers, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR Part 63.7500(a)(3)]

(3) The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 10 of 40 CFR Part 63 Subpart DDDDD. [40 CFR 63.7565]. [40 CFR 63 Subpart ZZZZ]

II.B.31.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.31.b.2 **Recordkeeping:**

In addition to the recordkeeping requirements of Section I of this permit, the Permittee shall maintain the following:

(A) Copies of each notification and report submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv). [40 CFR Part 63.7555(a)(1)]

(B) Records of use of an alternative fuel other than natural gas, refinery gas, gaseous fuel subject

to another subpart under 40 CFR Part 63, other gas 1 fuel, or gaseous fuel subject to another subpart of 40 CFR Part 63 or part 60, 61, or 65, you must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies. [40 CFR Part 63.7555(h)].

II.B.31.b.3 **Reporting:**

In addition to the reporting requirements of Section I of this permit, the permittee shall submit the following reports:

(A) Notifications: The permittee must meet the following notification requirements in 40 CFR 63.7545 according to the schedule in 40 CFR 63.7545 and in 40 CFR Part 63 subpart A [40 CFR 63.7495(d)]:

(1) Submit to the Director the notifications in 40 CFR Part 63.9(b) and (h) that apply, by the dates specified. [40 CFR Part 63.7545(a)].

(2) Submit a Notification of Compliance Status for each boiler according to 40 CFR Part 63.9(h)(2)(ii). Notification of Compliance Status report must contain all the information specified in 40 CFR Part 63.7545(e)(1) through (8), as applicable. [40 CFR Part 63.7545(e)]

(3) Notification of Compliance Status reports must include a signed statement verifying the tune-up of each boiler. [40 CFR Part 63.7530(d)]

(4) The Notification of Compliance Status report must include a signed certification that the required energy assessments were completed according to 40 CFR Part 63, Subpart DDDDD-Table 3, and is an accurate depiction of the boilers at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended. [40 CFR Part 63.7530(e)].

(5) If the permittee intends to use a fuel other than natural gas to fire the boilers during a period of natural gas curtailment or supply interruption, as defined in 40 CFR Part 63.7575, the permittee must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption. The notification must include the information specified in 40 CFR Part 63.7545(f)(1) through (5) of this section. [40 CFR Part 63.7545(f)]

(B) Compliance Reports: The permittee shall comply with the reporting requirements of 40 CFR 63.7550 and Table 9, sections 1.a through 1.c, as applicable. [40 CFR Part 63.7550]

(C) Deviation Reports: The permittee shall report each instance in which applicable requirements of Table 3 of 40 CFR Part 63, Subpart DDDDD (biennial tune up and energy assessment) have not been met. They must be reported according to the requirements in 40 CFR Part 63.7550.

II.B.32 **<u>Conditions on N.G. NSPS Boilers, Buildings M-072, M-576, and M-705</u>**

II.B.32.a **Condition:**

Fuel oil combusted by these emissions units shall not contain greater than 0.5 weight percent sulfur. [40 CFR Part 60.42c(d)]. [40 CFR 60 Subpart III]

II.B.32.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.32.a.2 **Recordkeeping:**

Records of fuel supplier certifications shall be maintained for all periods when fuel-oil is combusted. Fuel supplier certifications shall include the following information required by 40 CFR Part 60.48.c(f)(1):

(A) The name of the oil supplier;

(B) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c; and

(C) The sulfur content of the oil.

II.B.32.a.3 **Reporting:**

Reporting requirements for this provision include those specified in Section I of this permit, and the report described below:

The reports shall cover six-month periods and shall include:

(A) Records of fuel supplier certifications.

(B) A certified statement signed by the responsible official that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(C) Reports of fuel usage shall postmarked by the 30th day following the end of the reporting period.

II.B.32.b **Condition:**

The permittee shall maintain records of the total amount of each steam generating fuel delivered each calendar month. [40 CFR 60.48c(g)(3)]. [40 CFR 60 Subpart Dc]

II.B.32.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.32.b.2 **Recordkeeping:**

Records of fuel deliveries shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.32.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.32.c **Condition:**

The permittee shall comply with all applicable requirements of 40 CFR 60 Subpart A.

[DAQE-AN100090132-16]. [40 CFR 60 Subpart A]

II.B.32.c.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.32.c.2 **Recordkeeping:**

In accordance with 40 CFR 60.7(b), the permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of affected emission unit; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. These records and all other applicable records and notifications required by 40 CFR 60 Subpart A shall be maintained in accordance with provision I.S.1 of this permit.

II.B.32.c.3 **Reporting:**

The permittee shall comply with the reporting requirements in Section I of this permit and any additional reporting and notification requirements of 40 CFR 60 Subpart A.

II.B.33 **Conditions on Natural Gas Fired Pre-NSPS Boilers (Non-NSPS)**

II.B.33.a **Condition:**

Fuel consumption for the Building M-576 Wickes Boiler (with Wickes burner) shall not exceed 100 million standard cubic feet of natural gas per 12-month period. [DAQE-AN100090132-16]. [R307-401-8]

II.B.33.a.1 **Monitoring:**

Natural gas consumption shall be determined by a natural gas meter.

II.B.33.a.2 **Recordkeeping:**

Records of consumption shall be kept for all periods when the boiler is in operation and in accordance with provision I.S.1 of this permit. Compliance with the limitation shall be determined on a rolling 12-month total. No later than 20 days after the end of each month, a new 12-month total shall be calculated using data collected from the previous 12 months.

II.B.33.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.34 **Conditions on All Diesel Fired Boilers (DB-ALL)**

II.B.34.a **Condition:**

Visible emissions shall be no greater than 20 percent opacity. [DAQE-AN100090132-16]. [R307-401-8]

II.B.34.a.1 **Monitoring:**

If operated, opacity determinations of emissions shall be conducted annually in accordance with 40 CFR Part 60, Appendix A, Method 9.

II.B.34.a.2 **Recordkeeping:**

Results of observations and all data required by 40 CFR, Part 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.34.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.34.b **Condition:**

(1) For each diesel fired boiler that commenced construction before January 13, 2003, the permittee shall comply with work practice standards (a)-(c) below no later than January 31, 2016 [40 CFR 63.7495(b), 40 CFR 63.7500(a), & 40 CFR 63.7500(a)(1) of Subpart DDDDD]. For each diesel fired boiler that commenced construction/reconstruction on or after January 13, 2003, the permittee shall demonstrate initial compliance with the work practice standards (1)-(3) below within the applicable annual, biennial, or 5-year schedule as specified in 40 CFR 63.7515(d), following April 1, 2013, or upon startup, whichever is later. Thereafter, the permittee is required to complete the applicable annual, biennial, or 5-year tune-up as specified in 40 CFR 63.7515(d). [40 CFR 63.7495(a), 40 CFR 63.7500(a), 40 CFR 63.7500(a)(1) and 40 CFR 63.7510(g) of Subpart DDDDD].

(a) Boilers with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in 40 CFR 63.7540(a)(12) [40 CFR 63.7500(e) & Table 3 of 40 CFR Part 63, Subpart DDDDD]. Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up [40 CFR Part 63.7515(d)].

(b) Boilers with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a biennial tune-up as specified in 40 CFR 63.7540(a)(11) [40 CFR 63.7500(e) & Table 3 of 40 CFR Part 63, Subpart DDDDD]. Each tune-up must be conducted no more than 25 months after the previous tune-up [40 CFR Part 63.7515(d)].

(c) Boilers with a heat input capacity greater than 10 million Btu per hour must conduct a tune-up annually as specified in 40 CFR 63.7540(a)(10). This tune-up shall be conducted as a work practice for all regulated emissions regulated under 40 CFR Part 63, Subpart DDDDD [40 CFR 63.7540(10) & Table 3 of 40 CFR Part 63, Subpart DDDDD]. Each tune-up specified in 40 CFR 63.7540(a)(10) must be conducted no more than 13 months after the previous tune-up [40 CFR Part 63.7515(d)].

The above work practice standards apply at all times [40 CFR Part 63.7500(a) &(f)] except during periods of startup and shutdown [40 CFR Part 63.7500(f)]. Work practice standards shall be met in accordance with 40 CFR Part 63.7500(a)(1)-(3). As provided in 40 CR 63.6(g), EPA may approve use of an alternative to these work practice standards [40 CFR Part 63.7500(b) & 40 CFR Part 63.7505(a)].

(2) At all times, the permittee must operate and maintain these boilers, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Director that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR Part 63.7500(a)(3)]

(3) The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 10 of 40 CFR Part 63 Subpart DDDDD. [40 CFR 63.7565]. [40 CFR 63 Subpart ZZZZ]

II.B.34.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.34.b.2 **Recordkeeping:**

In addition to the recordkeeping requirements of Section I of this permit, the permittee shall maintain the following:

Copies of each notification and report submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv). [40 CFR Part 63.7555(a)(1)].

II.B.34.b.3 **Reporting:**

In addition to the reporting requirements of Section I of this permit, the permittee shall submit the following reports:

(A) Notifications: The permittee must meet the following notification requirements in accordance with 40 CFR 63.7545 and in 40 CFR Part 63 subpart A [40 CFR 63.7495(d)]:

(1) Submit to the Director the notifications in 40 CFR Part 63.9(b) and (h) that apply, by the dates specified. [40 CFR Part 63.7545(a)].

(2) Submit a Notification of Compliance Status for each boiler according to 40 CFR Part 63.9(h)(2)(ii). Notification of Compliance Status report must contain all the information specified in 40 CFR Part 63.7545(e)(1) through (8), as applicable. [40 CFR Part 63.7545(e)]

(3) Notification of Compliance Status reports must include a signed statement verifying the tune-up of each boiler. [40 CFR Part 63.7530(d)]

(4) The Notification of Compliance Status report must include a signed certification that the required energy assessments were completed according to 40 CFR Part 63, Subpart DDDDD-Table 3, and is an accurate depiction of the boilers at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended. [40 CFR Part 63.7530(e)]

(B) Compliance Reports: The permittee shall comply with the reporting requirements of 40 CFR 63.7550 and Table 9, sections 1.a through 1.c, as applicable. [40 CFR Part 63.7550]

(C) Deviation Reports: The permittee shall report each instance in which applicable requirements of Table 3 of 40 CFR Part 63, Subpart DDDDD (biennial tune up and energy assessment) have not been met. They must be reported according to the requirements in 40 CFR Part 63.7550.

II.B.35 **Conditions on All Stationary Emergency Generators**

II.B.35.a **Condition:**

The operation of the generators shall not exceed the following limits:

(1) 1,474,000 horsepower-hours (hp-hrs) of operation per rolling 12-month period on the generators greater than 600 hp.

(2) 2,144,000 hp-hrs of operation per rolling 12-month period on the generators 600 hp or less.

(3) 100 hours of operation per generator for maintenance per rolling 12-month period. Operation includes periods when the generator is operated for testing and maintenance.

[DAQE-AN0100090133-16]. [R307-401-8]

II.B.35.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.
.

II.B.35.a.2 **Recordkeeping:**

Compliance shall be demonstrated with records of operation kept on a monthly basis for each generator. ATK Launch Systems shall calculate a new 12-month total by the twentieth day of each month using the data collected during the previous 12 months.

Each generator shall be equipped with an individual metering device, which cannot be reset, to measure the number of hours operated.

Malfunctioning meters shall be replaced upon discovery. Corrections to the hours of operations for malfunctioning meters shall be made by determining the average use-rate for the unit based upon available historical data, not to exceed five years, and prorating the use-rate over the hours since the meter was last known to be operating properly. In the absence of historical data, the hours of operation shall be demonstrated based upon eight hours per day, five days per week operation since the date the meter was last known to be operating properly.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.35.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.35.b **Condition:**

Generators shall be used only during periods when electric power from the public utilities is interrupted, or for maintenance purposes.

[DAQE-AN0100090133-16]. [R307-401-8]

II.B.35.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.35.b.2 **Recordkeeping:**

Records documenting generator usage shall be kept in a log and they shall show the date the generator was used, the duration in hours of the generator usage, and the reason for each generator usage.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.35.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.35.c **Condition:**

Visible emissions from generators installed before January 1, 1973 shall be no greater than 40 percent opacity not exceeding 3-minutes in any hour.

Visible emissions from generators installed after January 1, 1973 shall be no greater than 20 percent opacity not exceeding 3-minutes in any hour.
[DAQE-AN100090133-16, R307-201-3(6), and R307-201-3(5)]. [R307-201-3, R307-401-8]

II.B.35.c.1 **Monitoring:**

For each emissions unit operated during a semiannual period (i.e., January through June, July through December), a visual opacity survey shall be performed during the semi-annual period of operation. The opacity survey can be conducted anytime during the semi-annual period while the unit is operating. The opacity survey shall be conducted by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. If visible emissions other than condensed water vapor are observed from the emission unit, an opacity determination of that emission unit shall be performed by a certified observer within 24 hours of the initial visual emission observation. The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.35.c.2 **Recordkeeping:**

Results of observations and all data required by 40 CFR, Part 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.35.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.36 **Conditions on Existing CI Emergency Generators < or = 500hp**

II.B.36.a **Condition:**

The permittee shall comply with the following operating limitations at all times for each affected emission unit:

(1) The permittee shall operate the affected emission unit according to the requirements in paragraphs 1.a through 1.c. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for more than 50 hours per year, as described in 1.a through 1.c, is prohibited. If the engine is not operated in accordance with paragraphs 1.a through 1.c, it will not be considered an emergency engine and shall meet all requirements for non-emergency engines.

(a) There is no time limit on the use of emergency stationary RICE in emergency situations.

(b) Operation for the purpose of maintenance checks and readiness testing is limited to 100 hours per year, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. A petition for approval of additional

hours to be used for maintenance checks and readiness testing is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(c) The permittee may operate the affected emission unit up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing and shall meet the requirements in 40 CFR 63.6640(f)(1)(iii).

(2) The permittee shall meet the following requirements at all times, except during periods of startup:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first;

(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;

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

(3) During periods of startup, the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

(4) The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ.

[40 CFR 63.6595(a)(1), 40 CFR 63.6602, 40 CFR 63.6605(a), 40 CFR 63.6625(h), 40 CFR 63.6640(f), 40 CFR 63.6665, 40 CFR 63 Subpart ZZZZ Table 2c, 40 CFR 63 Subpart ZZZZ Table 8]. [40 CFR 63 Subpart ZZZZ]

II.B.36.a.1 **Monitoring:**

The permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the required schedule, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. [40 CFR 63 Subpart ZZZZ Table 2c Footnote 1]

The permittee shall demonstrate continuous compliance by operating and maintaining the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written operation and maintenance instructions or develop and follow their own 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. [40 CFR 63.6625(e), 40 CFR 63.6640(a), 40 CFR 63 Subpart ZZZZ Table 6]

The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in accordance with 40 CFR 63.6625(i).

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6665].

II.B.36.a.2 **Recordkeeping:**

The permittee shall keep the records described in 40 CFR 63.6655(a)(1)-(5) as applicable. [40 CFR 63.6655(a)]

For each affected emission unit that does not meet the standards applicable to non-emergency engines, the permittee shall keep records of the hours of operation of the engine that are recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)]

If additional hours are to be used for maintenance checks and readiness testing, the permittee shall maintain records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. [40 CFR 63.6640(f)(1)(ii)]

The permittee shall keep records that demonstrate continuous compliance with each applicable operating limitation [including, but not limited to, the manufacturer's emission-related operation and maintenance instructions or the permittee-developed maintenance plan]. [40 CFR 63.6655(d), 40 CFR 63 Subpart ZZZZ Table 6]

Records of the maintenance conducted shall be kept in order to demonstrate that the permittee operated and maintained the affected emission unit and after-treatment control device (if any) according to their own maintenance plan. [40 CFR 63.6655(e)]

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6665]

Records shall be maintained in accordance with 40 CFR 63.6660 and Provision I.S.1 of this permit.

II.B.36.a.3 **Reporting:**

The permittee shall report any failure to perform the work practice on the schedule required and the Federal, State or local law under which the risk was deemed inacceptable. [40 CFR 63 Subpart ZZZZ Table 2c Footnote 1]

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in 40 CFR 63 Subpart ZZZZ Table 8. [40 CFR 63.6665]

The permittee shall also report each instance in which it did not meet the applicable requirements in Table 8. [40 CFR 63.6640(e)]

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.36.b **Condition:**

The permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be

based on information available to the Director which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.6595(a)(1) and 40 CFR 63.6605(b)]. [40 CFR 63 Subpart ZZZZ]

II.B.36.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.36.b.2 **Recordkeeping:**

The permittee shall keep the records described in 40 CFR 63.6655(a)(1)-(5) as applicable. [40 CFR 63.6655(a)]

The permittee shall document activities performed to assure proper operation and maintenance. Records shall be maintained in accordance with 40 CFR 63.6660 and Provision I.S.1 of this permit.

II.B.36.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.37 **New CI Emergency Generators < or = 500hp**

II.B.37.a **Condition:**

The permittee shall operate and maintain affected emission units that achieve the emission standards as required in 40 CFR 60.4204 and 40 CFR 60.4205 over the entire life of the engine. The permittee shall do all of the following, except as permitted in monitoring section (b), below:

(1) Operate and maintain the stationary CI ICE and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable.

[40 CFR 60.4206 and 40 CFR 60.4211(a)]. [40 CFR 63 Subpart ZZZZ]

II.B.37.a.1 **Monitoring:**

(A) The permittee shall document activities performed to assure proper operation and maintenance.

(B) If the permittee does not install, configure, operate, and maintain affected emission units and control devices according to the manufacturer's emission-related written instructions, or changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance as follows:

(1) For affected emission units with maximum engine power less than 100 HP:

(a) Keep a maintenance plan and records of conducted maintenance to demonstrate compliance; and

(b) To the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions; and

(c) If the permittee does not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or changes the emission-related settings in a way that is not permitted by the manufacturer, the permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action.

(2) For affected emission units greater than or equal to 100 HP and less than or equal to 500 HP:

(a) Keep a maintenance plan and records of conducted maintenance; and

(b) To the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions; and

(c) Conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after changing emission related settings in a way that is not permitted by the manufacturer.

(3) For affected emission units greater than 500 HP:

(a) Keep a maintenance plan and records of conducted maintenance; and

(b) To the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions; and

(c) Conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after changing emission-related settings in a way that is not permitted by the manufacturer. The permittee shall conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards. (Origin: 40 CFR 60.4211(g)).

II.B.37.a.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.37.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.37.b **Condition:**

The permittee of affected emission units with a displacement of less than 30 liters per cylinder shall purchase diesel fuel that meets the following per gallon standards of 40 CFR 80.510(b) for nonroad diesel fuel:

(1) Sulfur content no greater than 15 ppm (0.0015 percent) by weight and

(2) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(b)]. [40 CFR 63 Subpart ZZZZ]

II.B.37.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.37.b.2 **Recordkeeping:**

For each fuel load received, the permittee shall maintain either fuel receipt records or other documentation showing fuel meets the specifications of ASTM D975 for the cetane index and sulfur content for Grades No. 1-D S15 or 2-D S15 diesel. The permittee shall maintain documentation demonstrating compliance with the condition. These records shall be maintained in accordance with Provision I.S.1. of this permit.

II.B.37.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.37.c **Condition:**

Each emergency affected emission unit shall not exceed 100 hours of maintenance checks and readiness testing per year unless the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of affected emission units beyond 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Emergency engines may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 60.4211(f), is prohibited. [40 CFR 60.4211(f)]. [40 CFR 63 Subpart ZZZZ]

II.B.37.c.1 **Monitoring:**

If an emergency affected emission unit does not meet the standards applicable to non-emergency engines, the permittee shall install a non-resettable hour meter prior to startup of the engine. [origin: 40 CFR 60.4209(a)]

Records required for this permit condition will serve as monitoring.

II.B.37.c.2 **Recordkeeping:**

Records of each affected emission unit shall be kept on a monthly basis in an operation and maintenance log. Records shall distinguish between maintenance-related hours and emergency use-related hours. If maintenance and testing beyond 100 hours per year are required by Federal, State, or local standards, records of these standards shall also be kept. Starting with the model years in Table 5 of 40 CFR 60 Subpart IIII, if an affected emission unit does not meet the standards applicable to non-emergency engines in the applicable model year, the permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee must record the time of operation

of the engine and the reason the engine was in operation during that time.
(Origin: 40 CFR 60.4214(b))

Records shall be maintained as described in Provision I.S.1 of this permit.

II.B.37.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.38 **Conditions on New CI Emergency Generators >500hp**

II.B.38.a **Condition:**

Generators and control devices (if any) shall be operated and maintained according to the manufacturer's emissions-related written instructions, over the entire life of the associated engine. The permittee may only change those settings that are permitted by the manufacturer. The permittee shall also meet the requirements of 40 CFR part 89, as they apply.

[40 CFR 60.4206, 40 CFR 60.4211(a)(1)-(3)]. [40 CFR 60 Subpart III]

II.B.38.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.38.a.2 **Recordkeeping:**

Records demonstrating proper operation and maintenance shall be maintained.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.38.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.38.b **Condition:**

Emergency generators shall use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

[40 CFR 60.4207(b)]. [40 CFR 60 Subpart III]

II.B.38.b.1 **Monitoring:**

The permittee shall either:

(A) Determine the fuel sulfur content expressed as wt% in accordance with the methods of the American Society for Testing Materials (ASTM);

(B) Inspect the fuel sulfur content expressed as wt% determined by the vendor using methods of the ASTM; or

(C) Inspect documentation provided by the vendor that directly or indirectly demonstrates compliance with this provision.

II.B.38.b.2 **Recordkeeping:**

Fuel receipt records and documentation demonstrating compliance with this provision shall be maintained. [40 CFR 60 Subpart IIII].

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.38.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.38.c **Condition:**

Emergency generators may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing is limited to 100 hours per year (per each generator). There is no time limit on use for emergency situations. The permittee may petition the Director for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if records are maintained indicating that Federal, State, or local standards require maintenance and testing beyond 100 hours per year.

Emergency generators may operate up to 50 hours per year (per each generator) in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year is prohibited.

[40 CFR 60.4211(f)]. [40 CFR 60 Subpart III]

II.B.38.c.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.38.c.2 **Recordkeeping:**

Records of monitoring shall be kept on a monthly basis in an operation and maintenance log. Records shall distinguish between maintenance-related hours and emergency use-related hours. If maintenance and testing of a generator beyond 100 hours per year are required by Federal, State, or local standards, records of these standards shall also be kept. The permittee shall record the time of operation of each engine and the reason the engine was in operation during that time. [40 CFR 60.4211(e), and 40 CFR 60.4214(b)].

II.B.38.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.38.d **Condition:**

Emergency generators shall comply with the emission standards for new non-road CI engines as follows:

(1) 2007 model year and later shall comply with 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power.

(2) pre-2007 model year shall comply with the emission standards in Table 1 to 40 CFR part 60, Subpart IIII.

[40 CFR 60.4205(a)-(b)]. [40 CFR 60 Subpart III]

II.B.38.d.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.38.d.2 **Recordkeeping:**

Records of engine certifications shall be maintained indicating compliance with the above referenced standards. Records may include labels attached to engines indicating conformance with U.S. EPA regulations for the appropriate year.

Records shall be maintained demonstrating compliance with the manufacturer's specifications for engine installation and configuration.

Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.38.d.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.39 **Existing Spark Ignition Emergency Generators < or = 500hp**

II.B.39.a **Condition:**

The permittee shall comply with the following operating limitations at all times for each emergency affected emission unit:

(1) The permittee shall operate the affected emission unit according to the requirements in paragraphs 1.a through 1.c. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in 1.a through 1.c, is prohibited. If the engine is not operated in accordance with paragraphs 1.a through 1.c, it will not be considered an emergency engine and shall meet all requirements for non-emergency engines.

(a) There is no time limit on the use of emergency stationary RICE in emergency situations.

(b) Operation for the purpose of maintenance checks and readiness testing is limited to 100 hours per year, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. A petition for approval of additional hours to be used for maintenance checks and readiness testing is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(c) The permittee may operate the affected emission unit up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing and shall meet the requirements in 40 CFR 63.6640(f)(1)(iii).

(2) The permittee shall meet the following requirements at all times, except during periods of startup:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first;

(b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first;

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

During periods of startup, the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

(3) The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ.

[40 CFR 63.6595(a)(1), 40 CFR 63.6602, 40 CFR 63.6605(a), 40 CFR 63.6625(h), 40 CFR 63.6640(f), 40 CFR 63.6665, 40 CFR 63 Subpart ZZZZ Table 2c, 40 CFR 63 Subpart ZZZZ Table 8]. [40 CFR 63 Subpart ZZZZ]

II.B.39.a.1 **Monitoring:**

The permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)] If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the required schedule, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. [40 CFR 63 Subpart ZZZZ Table 2c Footnote 1]

The permittee shall demonstrate continuous compliance by operating and maintaining the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written operation and maintenance instructions or develop and follow their own 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. [40 CFR 63.6625(e), 40 CFR 63.6640(a), 40 CFR 63 Subpart ZZZZ Table 6]

The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in accordance with 40 CFR 63.6625(j).

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6665].

II.B.39.a.2 **Recordkeeping:**

The permittee shall keep the records described in 40 CFR 63.6655(a)(1)-(5) as applicable. [40 CFR 63.6655(a)] For each affected emission unit that does not meet the standards applicable to non-emergency engines, the permittee shall keep records of the hours of operation of the engine

that are recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)]

If additional hours are to be used for maintenance checks and readiness testing, the permittee shall maintain records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. [40 CFR 63.6640(f)(1)(ii)]

The permittee shall keep records that demonstrate continuous compliance with each applicable operating limitation [including, but not limited to, the manufacturer's emission-related operation and maintenance instructions or the permittee-developed maintenance plan]. [40 CFR 63.6655(d), 40 CFR 63 Subpart ZZZZ Table 6]

Records of the maintenance conducted shall be kept in order to demonstrate that the permittee operated and maintained the affected emission unit and after-treatment control device (if any) according to their own maintenance plan. [40 CFR 63.6655(e)]

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6665]

Records shall be maintained in accordance with 40 CFR 63.6660 and Provision I.S.1 of this permit.

II.B.39.a.3 **Reporting:**

The permittee shall report any failure to perform the work practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR 63 Subpart ZZZZ Table 2c Footnote 1]

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in 40 CFR 63 Subpart ZZZZ Table 8. [40 CFR 63.6665]

The permittee shall also report each instance in which it did not meet the applicable requirements in Table 8. [40 CFR 63.6640(e)]

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.39.b **Condition:**

At all times the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.6595(a)(1), 40 CFR 63.6605(b)]. [40 CFR 63 Subpart ZZZZ]

II.B.39.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.39.b.2 **Recordkeeping:**

The permittee shall keep the records described in 40 CFR 63.6655(a)(1)-(5) as applicable. [40 CFR 63.6655(a)] The permittee shall document activities performed to assure proper operation and maintenance. Records shall be maintained in accordance with 40 CFR 63.6660 and Provision I.S.1 of this permit.

II.B.39.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.39.c **Condition:**

The permittee shall comply with the following operating limitations at all times for each limited use affected emission unit < 100 Hp that is not 2SLB:

(1) The permittee shall meet the following requirements at all times, except during periods of startup:

a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first;

b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first;

c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

(2) During periods of startup, the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

(3) The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ.

[40 CFR 63.6595(a)(1), 40 CFR 63.6602, 40 CFR 63.6605(a), 40 CFR 63.6625(h), 40 CFR 63.6665, 40 CFR 63 Subpart ZZZZ Table 2c, 40 CFR 63 Subpart ZZZZ Table 8]. [40 CFR 63 Subpart ZZZZ]

II.B.39.c.1 **Monitoring:**

The permittee shall demonstrate continuous compliance by operating and maintaining the stationary RICE and after-treatment control device (if any) according to the manufacturer’s emission-related written operation and maintenance instructions or develop and follow their own 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. [40 CFR 63.6625(e), 40 CFR 63.6640(a), 40 CFR 63 Subpart ZZZZ Table 6]

The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in accordance with 40 CFR 63.6625(j). The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6665].

II.B.39.c.2 **Recordkeeping:**

The permittee shall keep the records described in 40 CFR 63.6655(a)(1)-(5) as applicable. [40 CFR 63.6655(a)]

The permittee shall keep records that demonstrate continuous compliance with each applicable operating limitation [including, but not limited to, the manufacturer's emission-related operation and maintenance instructions or the permittee-developed maintenance plan]. [40 CFR 63.6655(d), 40 CFR 63 Subpart ZZZZ Table 6]

Records of the maintenance conducted shall be kept in order to demonstrate that the permittee operated and maintained the affected emission unit and after-treatment control device (if any) according to their own maintenance plan. [40 CFR 63.6655(e)]

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in Table 8 of 40 CFR 63 Subpart ZZZZ. [40 CFR 63.6665]

Records shall be maintained in accordance with 40 CFR 63.6660 and Provision I.S.1 of this permit.

II.B.39.c.3 **Reporting:**

The permittee shall comply with the applicable general provisions in 40 CFR 63.1-15 as identified in 40 CFR 63 Subpart ZZZZ Table 8. [40 CFR 63.6665] The permittee shall also report each instance in which it did not meet the applicable requirements in Table 8. [40 CFR 63.6640(e)]

There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.40 **Conditions on Nitrogen Process Reactors (Building-M-590-Explosives-and-Energetics).**

II.B.40.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity, measured at the packed-tower scrubber exhaust. [DAQE-012-00]. [R307-401-8]

II.B.40.a.1 **Monitoring:**

Visible emissions shall be monitored as follows:

(A) A visual opacity survey shall be performed on each emissions unit annually by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. Surveys shall be conducted while the emissions unit is in operation.

(B) If visible emissions other than steam are observed from an emissions unit, an opacity determination shall be performed by a certified observer within 24 hours of the initial survey. Opacity determinations shall be conducted while the emissions unit is in operation.

(C) The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.40.a.2 **Recordkeeping:**

For visual opacity surveys, a log of monitoring results shall be maintained including: dates and times of surveys; identification of each emissions unit being surveyed; and whether or not visible emissions were observed.

For each opacity determination, all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded.

II.B.40.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.40.b **Condition:**

The emissions of VOC and HAPs shall not exceed:

30.0 tons VOC per rolling 12-month period
13.0 tons diethanolamine per rolling 12-month period
20.0 tons of total HAPs (including diethanolamine) per rolling 12-month period.

[DAQE-012-00]. [R307-401-8]

II.B.40.b.1 **Monitoring:**

Compliance with the limitation shall be demonstrated through a rolling 12-month total. Based on the first day of each month, the permittee shall calculate a new 12-month total. Calculations shall be made by the 20th day of each month using data from the previous 12 months.

II.B.40.b.2 **Recordkeeping:**

The emissions of VOCs and HAPs emitted to the atmosphere from the building M-590 shall be determined by mass balance using the following expression and appropriate units:

Emissions = a - b - c

Where:
a = amount of VOC or HAP material delivered or used
b= change in the amount of VOC or HAP material in inventory
c= amount of VOC or HAP material reclaimed, disposed as waste or discharge to a waste water treatment facility

Or, VOC and HAP emissions shall be determined by maintaining a record of VOC and HAP emitting materials used each month. The records shall include the following data for each material used:

(A) Name of the VOC, or HAP emitting material.

(B) Density of each material used (pounds per gallon).

(C) Percent by weight of VOC, and HAP in each material used.

(D) Gallons of each VOC, or HAP emitting material used each month.

(E) The amount of VOC, and HAP emitted monthly by each material used, calculated by the following procedure:

VOC = (% VOC by Weight/100) x (Density lb/gal) x (Gal Consumed) x (1 ton/2000 lb)

HAP = (% HAP by Weight/100) x (Density lb/gal) x (Gal Consumed) x (1 ton/2000 lb)

(F) The total amount of VOC, and HAP emitted monthly from all materials used.

(G) The amount of VOC, and HAP reclaimed for the month shall be similarly quantified and subtracted from the quantities calculated above, to provide the monthly total VOC, and HAP emissions.

(H) It is assumed that formaldehyde, hexamethylene-1,6-diisocyanate, methyl isocyanate, and 2,4-toluene diisocyanate shall be totally consumed in the reactions. Therefore, the annual emissions of formaldehyde, hexamethylene-1,6 diisocyanate, methyl isocyanate, and 2,4-toluene diisocyanate shall be assumed to be zero per rolling 12-month period.

II.B.40.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.41 **Conditions on Large Motor Testing (T-24 & T-97 Test Bays).**

II.B.41.a **Condition:**

Fuel consumption shall not exceed the following limits:

(1) 2,100 tons of Type-1.3 propellant per rolling 12-month period in test bays T-24 and T-97.

(2) 700 tons of Type-1.3 propellant per calendar day in test bays T-24 and T-97.

[DAQE-AN0009105-05]. [R307-401-8]

II.B.41.a.1 **Monitoring:**

Compliance with the rolling 12-month limitation shall be demonstrated through a rolling 12-month total calculated using records of propellant burned during each day of test firing. The permittee shall calculate a new 12-month total by the 20th day of each month using data from the previous 12 months.

II.B.41.a.2 **Recordkeeping:**

The amount of propellant burned during each day of test firing shall be recorded. Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.41.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.41.b **Condition:**

Prior to the test firing of the SRM, the permittee shall make a reasonable determination as to whether or not the minimum meteorological conditions required for a static testing at the T-24 or T-97 test bays, exist. The determination shall be based on the following criteria:

The permittee shall forecast the atmospheric stability for the time of the test firing based on morning stability data collected at the on-site M-245 10 meters meteorological monitoring tower. Variation in wind direction (sigma-theta) data shall be used to determine atmospheric stability according to the methodology described in the "Guidelines to Air Quality Models" (Revised) Tables 9-2 and 9-3.

The permittee shall release a rawinsonde from a distance of not more than two kilometers from the T-24 or T-97 test bays no more than three hours prior to the SRM static test firing at test bays T-24 or T-97. The rawinsonde shall measure the wind speed between 6,000 feet and 14,000 feet MSL, to determine the average wind speed at 10,000 feet MSL. The rawinsonde release and data collection shall be conducted by an independent professional meteorological company with rawinsonde experience. The meteorological company chosen by Thiokol to perform the rawinsonde release is subject to the review and approval of the Director.

The SRM static test firing at test bays T-24 and T-97 shall be conducted under the following forecasted stability classes, if the minimum average wind speed at 10,000 feet MSL is determined to be less than or equal to the wind speed specified below:

Stability Class A - Wind speed is less than or equal to 20 m/s
Stability Class B - Wind speed is less than or equal to 20 m/s
Stability Class C - Wind speed is less than or equal to 20 m/s
Stability Class D - Wind speed is less than or equal to 20 m/s
Stability Class E - No static test firing shall be conducted
Stability Class F - No static test firing shall be conducted

The actual stability class at the time of the static test firing shall be measured. [DAQE-AN0009105-05]. [R307-401-8]

II.B.41.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.41.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.41.b.3 **Reporting:**

In addition to the reporting requirements specified in Section I of this permit, the actual stability class at the time of the static test firing shall be reported.

II.B.42 **Conditions on Open Burning Activities (OBOD)**

II.B.42.a **Condition:**

Open burning activities shall be conducted as follows:

(1) The permittee may open burn explosive material which cannot be safely stored long enough to await favorable meteorological conditions as defined in the clearing index system.

(2) The open burning of any waste containing beryllium is prohibited.

(3) The open burning of waste containing highly toxic materials is prohibited except when meteorological conditions are such that the resulting products of combustion will traverse over unoccupied areas only.

(4) A description and evaluation of the quantities of highly toxic material to be emitted to the atmosphere must be submitted to the Director prior to each burning.

[DAQE-AN0009105-05]. [R307-401-8]

II.B.42.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.42.a.2 **Recordkeeping:**

A log shall be maintained of the date, time, place and quantity of each burn, and the type of material burned.

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.42.a.3 **Reporting:**

The following reporting requirements apply in addition to those specified in Section I of this permit:

(A) Emissions generated from open burning shall be reported as required under R307-150.

(B) A report of investigative efforts to eliminate open burning of hazardous materials shall be submitted to the Director by January 15th of each year.

II.B.42.b **Condition:**

Estimated emissions of hydrogen chloride (HCl) from open burning shall not exceed 22,600 pounds per day. This limit does not include the HCl emissions from the static test firing of the RSRM, testing of propellant, pyrotechnic, and explosive materials. [DAQE-AN0009105-05]. [R307-401-8]

II.B.42.b.1 **Monitoring:**

HCl emissions shall be calculated using the following formula:

HCl (lbs) = propellant burned (lbs) * 0.2122

Calculations shall be made on a daily basis when open burning is conducted.

II.B.42.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.42.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.42.c **Condition:**

The Box Elder County Sheriff's Office shall be notified prior to and on the day of conducting an open burn. [DAQE-AN0009105-05]. [R307-401-8]

II.B.42.c.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.42.c.2 **Recordkeeping:**

The above referenced notification shall be documented and maintained in the daily burn log in accordance with Provision I.S.1 of this permit.

II.B.42.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.42.d **Condition:**

(1) During the period November 1 to February 28/29 on days when the 24-hour average $PM_{2.5}$ levels exceed 35 ug/m^3 at the nearest real-time monitoring station, the open burning of reactive wastes with properties identified in 40 CFR 261.23 (a) (6) (7) (8) will be limited to 50 percent of the treatment facility's Department of Solid and Hazardous Waste permitted daily limit.

(2) During the period November 1 to February 28/29, on days when the 24-hour average $PM_{2.5}$ levels exceed 35 ug/m^3 at the nearest real-time monitoring station, the following shall not be tested:

(A) Propellant, energetics, pyrotechnics, flares and other reactive compounds greater than 2,400 lbs. per day; or

(B) Rocket motors less than 1,000,000 lbs. of propellant per motor subject to the following exception:

A single test of rocket motors less than 1,000,000 lbs. of propellant per motor is allowed on a day when the 24-hour average $PM_{2.5}$ level exceeds 35 ug/m^3 at the nearest real-time monitoring station provided notice is given to the Director of the Utah Air Quality Division. No additional tests of rocket motors less than 1,000,000 lbs. of propellant may be conducted during the inversion period until the 24-hour average $PM_{2.5}$ level has returned to a concentration below 35 ug/m^3 at the nearest real-time monitoring station.

[SIP IX.H.2.a.i and ii]. [R307-110-17]

II.B.42.d.1 **Monitoring:**

Records required in this condition will serve as monitoring.

II.B.42.d.2 **Recordkeeping:**

(A) During the period November 1 to February 28/29 on days when the 24-hour average $PM_{2.5}$ levels exceed 35 ug/m^3 at the nearest real-time monitoring station and on days when open burning occurs, records shall be maintained identifying the quantity burned and the $PM_{2.5}$ level at the nearest real-time monitoring station.

(B) During the period November 1 to February 28/29, on days when the 24-hour average $PM_{2.5}$ levels exceed 35 ug/m^3 at the nearest real-time monitoring station, records shall be maintained identifying the size of the rocket motors tested and the 24-hour average $PM_{2.5}$ level at the nearest real-time monitoring station on days when motor testing occur.

II.B.42.d.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.C **Emissions Trading**
(R307-415-6a(10))

Not applicable to this source.

II.D **Alternative Operating Scenarios**.
(R307-415-6a(9))

Not applicable to this source.

II.E **Source-specific Definitions.**

Not applicable to this source.

SECTION III: PERMIT SHIELD

The following requirements have been determined to be not applicable to this source in accordance with Provision I.M, Permit Shield.

III.A. R307-342 (Adhesives and Sealants)

This regulation is not applicable to the Permitted Source for the following reason(s): The requirements of R307-342 (Adhesives and Sealants) do not apply to the use of adhesives, sealants, adhesive primers, sealant primers, surface preparation and cleanup solvents in the production, rework, repair, or maintenance of aerospace vehicles and components.

III.B. R307-350 (Miscellaneous Metal Parts and Products Coatings)

This regulation is not applicable to the Permitted Source for the following reason(s): The requirements of R307-350 (Miscellaneous Metal Parts and Products Coatings) do not apply to surface coating of aerospace vehicles and components.

III.C. R307-201-3 (Visible Emission Standards)

This regulation is not applicable to the Open Burning Activities for the following reason(s): This regulation is not applicable to the Open Burning Activities (OBOD) because Open Burning Activities are regulated by R307-202 (Emission Standards for General Burning).

III.D. R307-309 (Fugitive Emissions and Fugitive Dust)

This regulation is not applicable to the Open Burning Activities for the following reason(s): This regulation is not applicable to the Open Burning Activities (OBOD) because Open Burning Activities are regulated by R307-202 (Emission Standards for General Burning).

III.E. R307-305-3 (Visible Emission Standards)

This regulation is not applicable to the Open Burning Activities for the following reason(s): This regulation is not applicable to the Open Burning Activities (OBOD) because Open Burning Activities are regulated by R307-202 (Emission Standards for General Burning).

SECTION IV: ACID RAIN PROVISIONS

IV.A **This source is not subject to Title IV. This section is not applicable.**

REVIEWER COMMENTS

This operating permit incorporates all applicable requirements contained in the following documents:

Incorporates	DAQE AN100090124-14 dated March 14, 2014
Incorporates	DAQE-AN100090133-16 dated December 19, 2016
Incorporates	DAQE-012-00 dated January 5, 2000
Incorporates	DAQE-389-96 dated April 12, 1996
Incorporates	DAQE-AN100090130-16 dated October 5, 2016
Incorporates	DAQE-802-94 dated September 22, 1994
Incorporates	DAQE-AN0009105-05 dated August 1, 2005
Incorporates	DAQE AN100090132-16 dated October 5, 2016
Incorporates	DAQE-AN160230001-20 dated August 24, 2020
Incorporates	SIP Part H.2.a dated December 7, 2016

(1). Comment on an item originating in DAQE-AN0009105-05 regarding Test bay T-97
Historical comment on AO Condition 10: requires test firing of RSRM's to be limited to test bays T-24 and T-97. This condition is not being carried forth into the Title V permit since T-24 and T-97 are the only test bays capable of handling these large motors.

(2) Comment on an item originating in regarding Permitted Source
Buildings included in Group 7: : M-002, M-003, M-005, M-006, M-008, M-008A, M-010, M-052, M-055, M-068, M-111, M-113, M-113A, M-137, M-137A, M-137B, M-179, M-189, A-001, A-002, A-002A, A-002B, A-002C, A-002D, A-002E, A-002F, A-003, A-004, A-009, A-010, M-001A, M-002A, M-003A, M-003B, M-003C, M-003D, M-003E, M-003F, M-004, M-005A, M-005B, M-006A, M-009, M-009A, M-011, M-011A, M-035, M-054, M-055A, M-088, M-090, M-090A, M-090B, M-102, M-111A, M-111B, M-111C, M-111D, M-150, M-151, M-153, M-162, M-166, M-172, M-175, M-175A, M-176A, M-187, M-194, M-305, M-311, M-318, M-333, M-337, M-337B, M-378, M-393, M-408, M-411, M-421, and M-426.

(3). Comment on an item originating in AO DAQE-042-96 regarding M-705 Waste Water Treatment Facility (M-705)
Historical comment on AO Condition 6: The two 5.6 MM Btu/hr boilers have been removed.

(4). Comment on an item originating in DAQE-AN0009105-05 regarding Test bay T-24

Historical comment on AO Condition 10: requires test firing of RSRM's to be limited to test bays T-24 and T-97. This condition is not being carried forth into the Title V permit since T-24 and T-97 are the only test bays capable of handling these large motors.

(5). Comment on an item originating in regarding Natural Gas Fired Boilers (NGB-ALL)
Boilers subject to 40 CFR Part 63, Subpart DDDDD.: Historical comment: Some boilers located at ATK may have become subject to 40 CFR Part 63, Subpart DDDDD. New requirements will be reviewed and incorporated as appropriate into this permit as a separate reopening for cause by DAQ under R307-415-7g. Update: New requirements for 40 CFR Part 63, Subpart DDDDD have been incorporated. Update: New requirements for 40 CFR Part 63, Subpart DDDDD have been incorporated.

(6) Comment on an item originating in this permit regarding Permitted Source

Comment on 40 CFR Part 63 Subpart GG.: Historical Comment: This regulation applies to ATK. However, ATK is not currently engaging in activities falling under this MACT standard. For that reason, it is not necessary to list specific Subpart GG requirements for undetermined activities. Subpart GG requirements are referenced.

(7) Comment on an item originating in regarding Permitted Source
Buildings included in Groups 1 & 2: Group #1 designated buildings are the following:

E-501, E-517, E-520, E-532, E-543, E-506, E-517C, E-520A, E-533, M-508, E-510, E-519, E-520B, E-535, M-575, E-512, E-519C, E-521, E-536, M-711, E-515, E-519D, E-522, E-537, M-719, E-515A, E-519E, E-523, E-538, E-516, E-519H, E-529, and E-539.

Group 2 designated buildings are the following:

M-191A, M-191B, M-192, M-193A, M-193B M-326, M-327, M-336, M-336A, M-338, M-340A, M-345, M-348, M-366, M-381, M-381A, M-382, M-570, M-570A, M-574, M-580, M-581, M-583, M-586, M-590A, M-590B, M-591A, M-591B, M-591C, M-597B, M-600A, M-628B, M-643, M-643B, M-689A, M-696, M-697, M-698, M-701, S-503, S-546, S-547, S-549, S-551, S-554, S-555, S-556, S-560, S-561, S-562, S-563, S-564, S-565, S-566, S-567, S-568, S-569, S-570, S-571, S-572, S-573, S-574, S-575, S-576, S-577, S-578, S-579, S-580, S-581, S-604, S-605, S-606, S-607, S-608, S-611, S-612, S-613, S-614, S-615, S-616, S-617, S-628, S-631, S-632, S-633, S-635, E-543, M-136-Area, M-186-Area, M-191, M-193, M-199, M-321, M-321A, M-340, M-392, M-504, M-512, M-514, M-515, M-516, M-519, M-521, M-523, M-524, M-526, M-528, M-571, M-572, M-573, M-589, M-591, M-593, M-594, M-595, M-596, M-597, M-598, M-599, M-600, M-601, M-602, M-603, M-604, M-605, M-606, M-621, M-622, M-623, M-627, M-628, M-629, M-636, M-638, M-639, M-640, M-641, M-642, M-689, M-693, M-694,M-700, M-702, S-501, S-502, and S-550. [Last updated August 11, 2020]

(8) Comment on an item originating in DAQE-AN0009105-05 regarding Test bay T-24

Historical comment on AO Condition 12: requires the removal of a gravel road behind test bay T-24. There is no longer a gravel road there. For that reason, AO condition 12 is not being carried forward into the Title V permit. [Last updated August 11, 2020]

(9). Comment on an item originating in regarding Permitted Source
Buildings included in Group 8: I4 &I5, I10 & I10A-10H, I10L-10N, I18-022 & I22A, M56-M59 & M57A, M81, M81A, M81B, M81D, M81E, M86, M86A, M87, M101, M124, M128, M129, M143, M157, M173, M188, M196, M319, M346, M347, T75, T75B [Last updated August 11, 2020]

(10) Comment on an item originating in regarding Permitted Source
Comment on an item regarding 40 CFR 64: Compliance Assurance Monitoring Applicability: CAM applicability has been evaluated. There are no CAM requirements in this permit. [Last updated August 11, 2020]

(11) Comment on an item originating in regarding Permitted Source
Buildings included in Group 5: M-014, M-014A, M-016A, M-017, M-017A, M-021, M-026, M-032, M-033, M-34A, M-039A, M-046L, M-046K, M-047, M-047A, M-048A, M-048B, M-079A, M-079B, M-079E, M-079W, M-080, M-082, M-107, M-108, M-115A, M-120A, M-120B, M-120C, M-120D, M-120E, M-123, M-142, M-154, M-158, M-159, M-160, M-161, M-163, M-171, M-177, M-300A, M-300B, M-300C, M-301A, M-301B, M-301C, M-308, M-315, M-320A, M-325A, M-364, M-372, M-406, M-28, M-29, M-30 , M-31, M-37, M-49, M-50, M-51, M-62A, M-63A, M-158, M-159, M-36, M-46, M-38, M-

012, M-063, M-012, M-013, M-016, M-020, M-022, M-023, M-024, M-025, M-027, M-034, M-039, M-048, M-076, M-079, M-103, M-115, M-120, M-174, M-184, M-300, M-301, M-309, M-314, M-320, M-325, M-419 [Last updated August 11, 2020]

(12) Comment on an item originating in AO DAQE-802-94 regarding Catalyst Ozone Destructors
comment on AO Condition 10: is a disclaimer statement regarding UPDES requirements, hence, the condition is not carried forth into the Title V permit.

(13) Comment on an item originating in DAQE-AN010009115-09 regarding Groups 1-10
Historical Comment: This approval order requires the installation, inspection, and maintenance of particulate filters on paint booths. That requirement is incorporated as part of the visible emissions monitoring for those units.

(14) Comment on an item originating in regarding Permitted Source
Buildings included in Group 3: T-021D, T-067, T-072, M-145, T-030, T-068, T-073, M-042, T-021, T-032, T-069, T-092, M-044, T-021B, T-033, T-070, T-112B, M-125, T-112, T-054, T-071, M-126.

(15) Comment on an item originating in regarding Permitted Source
Buildings included in Group 6: T-001, T-001A, T-002,T-002A, T-003, T-004,T-005, T-006, T-006A, MT-006, T-007, T-010, T-011, T-012, T-014, T-014A, T-015, T-016, T-017, T-017A, T-018, T-018A, T-022, T-023, T-023A, T-024, T-024A, T-024B, T-024C, T-024F, T-024G, T-029, T-029B, T-035, T-035A, T-036, T-051, T-053, T-074, T-076, T-091, T-093, T-094, T-095, T-096, T-097, T-097A, T-097B, T-097C, T-002B, T-002C, T-004A, T-004B, T-004C, T-004D, T-014B, T-014C, T-014D, T-014E, T-015A, T-016A, T-018B, T-020, T-022A, T-022B, T-023B,T-024E, T-024H, T-027, T-028, T-029A, T-051A, T-053A, T-055, T-059, T-060, T-064, T-065, T-066, T-077, T-078, T-079, T-080, T-081, T-082, T-089, T-090, T-093A, T-094A, T-095, T-097D, T-097F, T-098, T-099, T-100, T-101, T-102, T-103, T-104, T-105, T-106, T-107, and T-111

(16) Comment on an item originating in regarding Permitted Source
Buildings included in Group 4: M-201, M-201A, M-202, M-203, M-205, M-205A, M-206, M-207A, M-207B, M-213, M-217, M-218A, M-220A, M-222A, M-223A-B, M-225, M-225A, M-227, M-236A, M-237, M-238, M-239, M-242, M-243, M-245, M-201C, M-207, M-208, M-208A, M-209, M-210, M-212, M-214, M-215, M-216, M-218, M-220, M-221, M-222, M-224, M-224A, M-236, M-241, M-242A, M-243, and M-244.

(17) Comment on an item originating in Various Approval Orders regarding Permitted Source
Visible Emissions Observations VS. Inspections: Various approval orders call for units at ATK Launch Systems to verify compliance with visible emissions limitations using method 9. For some of those units, ATK Launch Systems has agreed to more stringent monitoring than method 9 observations (i.e. paint booths, dust collectors, and baghouses). The more stringent monitoring involves routine inspections of pollution control devices. It is reasonable to believe that visible emissions limitations will not be exceeded if the pollution control devices are properly maintained. Monitoring via routine inspections is more frequent, and hence more stringent than method 9 observations.

(18) Comment on an item originating in DAQE-AN010009115-09 regarding Group 2 Dust Collector (designated as M-606-DC02)
Historical Comment: This approval order requires the inspection, and maintenance of HEPA filters. That requirement is incorporated as part of the visible emissions monitoring for those units.

(19) Comment on an item originating in regarding Permitted Source

Buildings included in Group 10: M-009, M-009B, M-015, M-019A, M-035A, M-043, M-043A, M-043B, M-053, M-053A, M-083, M-190, M-323, M-337A, M-585, M-585A, M-588, M-687, and S-548.

(20) Comment on an item originating in regarding All Stationary Emergency Generators
RICE engines subject to 40 CFR Part 63, Subpart ZZZZ.: Historical comment: Additional RICE engines at ATK have become subject to regulation under 40 CFR Part 63, Subpart ZZZZ. New requirements will be reviewed and incorporated in this permit in a subsequent reopening for cause by DAQ under R307-415-7g.

(21) Comment on an item originating in AO DAQE-802-94 regarding Catalyst Ozone Destructors
comment on AO Condition 8: is a visible emissions limitation of 0%. The Catalyst Ozone Destructor is not a combustion unit and will therefore never exceed the 0% opacity limit.

(22) Comment on an item originating in regarding Permitted Source
Buildings included in Group 9: M-114, M-147, M-148, M-149, M-178, M-306, M-398, M-418, M-066, M-066A, M-066B, M-067, M-071, M-085, M-104, M-119, M-197, M-197A, M-303, M-304, M-322, M-369, M-397, M-412, M-415, M-416.

(23) Comment on an item originating in regarding Permitted Source
Renewal Permit (2020):
-Incorporated changes resulting from the issuance of AO DAQE-AN106230001-20
-Incorporated SIP (December 7, 2016)
-Deleted the obsolete conditions under NESHAP Subpart DDDDD
-Added R307-304 requirements