



State of Utah

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Governor

GREG BELL
Lieutenant Governor

Department of
Environmental Quality

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Executive Director

DIVISION OF AIR QUALITY
Cheryl Heying
Director

11594

Title V Operating Permit

PERMIT NUMBER: 4500006002

DATE OF PERMIT: September 28, 2009

Date of Last Revision: September 28, 2009

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

Name of Permittee:

Tooele Army Depot
Environmental Office
SJMTE - CS - EO
Tooele UT 840745-000

Permitted Location:

Tooele Army Depot
Environmental Office
SJMTE - CS - EO
Tooele UT 84074-5000

UTM coordinates: 385340 m Easting, 4488200 m Northing
SIC code: 9711 (National Security)

UTAH AIR QUALITY BOARD

By:

Prepared By:

M. Cheryl Heying, Executive Secretary

Robert Grandy

ENFORCEABLE DATES AND TIMELINES

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

Annual Certification Due:	January 28, and on that date of every calendar year that this permit is in force.
Renewal application due:	April 28, 2014
Permit expiration date:	September 28, 2014
Definition of "prompt":	written notification within 14 days.

ABSTRACT

The Tooele Army Depot (TEAD) is a United States Army installation and is an area source for hazardous air pollutants (HAPS) and criteria pollutants. Various emission units are on the site, including: boilers, generators, paint booths, three incinerators, and a ground water treatment plant. The rotary kiln incinerator located in building 1320 is subject to 40 CFR 63 Subpart EEE; it is used to destroy ammunition ranging from small arms through 20 mm and includes an afterburner, cyclone, and high temperature ceramic baghouse. This permit contains applicable requirements exclusively for the building 1320 rotary kiln incinerator. Pursuant to R307-415-4(3)(b), applicable requirements for other emission units located at the stationary source have not been included in this permit.

OPERATING PERMIT HISTORY

Permit/Activity	Date Issued	Recorded Changes
Title V renewal application (Project #OPP0115940010)	9/28/2009	This permit was renewed and expanded citations of 40 CFR Part 63 Subpart EEE were added.
Title V administrative amendment - enhanced AO (Project #OPP0115940009)	10/15/2008	Additions: 10/15/08 To remove 0.5% fuel sulfur requirement that was dropped from AO DAQE-AN0115940036-08
Title V administrative amendment - enhanced AO (Project #OPP0115940008)	9/2/2008	Changes: - Clarify 40 CFR Part 63 Subpart EEE requirements. -Replace 1200 degree afterburner requirement with more stringent reference to operating temperatures under 40 CFR Part 63, Subpart EEE. -Condition for monitoring fugitive emissions from incinerator has been removed per AO change. -PM ₁₀ limitation for incinerator has been removed per AO change.
Title V administrative amendment - enhanced AO (Project #OPP0115940007)	11/7/2007	Changes: To add a Sodium Bicarbonate Injection System to the equipment list per issuance of new Approval Order DAQE-AN0115940035-07.
Title V significant modification (Project #OPP0115940004)	1/15/2004	Changes: to include a compliance plan and compliance date extension for 40 CFR Part 63, Subpart EEE
Title V administrative amendment by source (Project #OPP0115940003)	3/12/2002	Changes: Change allowable pressure drop range for rotary kiln incinerator, ceramic baghouse from 1 to 10 inch of water to greater than 1 inch of water.
Title V initial application (Project #OPP0115940002)	1/29/2002	

Table of Contents

ENFORCEABLE DATES AND TIMELINES	2
ABSTRACT	2
OPERATING PERMIT HISTORY.....	3
SECTION I: GENERAL PROVISIONS.....	5
Federal Enforcement.....	5
Permitted Activity(ies).....	5
Duty to Comply.....	5
Permit Expiration and Renewal.....	6
Application Shield.....	6
Severability.....	6
Permit Fee.....	6
No Property Rights.....	6
Revision Exception.....	6
Inspection and Entry.....	7
Certification.....	7
Compliance Certification.....	7
Permit Shield.....	8
Emergency Provision.....	8
Operational Flexibility.....	9
Off-permit Changes.....	9
Administrative Permit Amendments.....	9
Permit Modifications.....	9
Records and Reporting.....	9
Reopening for Cause.....	11
Inventory Requirements.....	11
Title IV and Other, More Stringent Requirements.....	11
SECTION II: SPECIAL PROVISIONS.....	12
Emission Unit(s) Permitted to Discharge Air Contaminants.....	12
Requirements and Limitations	12
APE 1236M1 Deactivation Furnace (APE 1236).....	12
Emissions Trading.....	18
Alternative Operating Scenarios	18
SECTION III: PERMIT SHIELD	18
SECTION IV: ACID RAIN PROVISIONS	18
This source is not subject to Title IV. This section is not applicable.....	18
REVIEWER COMMENTS.....	19

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 Executive Secretary, within a reasonable time, any information that the Executive Secretary 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 Executive Secretary 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 Executive Secretary 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 Executive Secretary 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 Executive Secretary 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 Executive Secretary 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 Executive Secretary 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 Executive Secretary 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 Executive Secretary: (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 Executive Secretary 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 Executive Secretary 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 Executive Secretary 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 Executive Secretary 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 unavoidable 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 Executive Secretary are to be sent to the following address or to such other address as may be required by the Executive Secretary:

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 Executive Secretary:

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 & Regulatory Assistance Air & Radiation Program (mail code 8P-AR)
1595 Wynkoop Street
Denver, CO 80202-1129
Phone: 303-312-6440

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 Executive Secretary 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 Executive Secretary 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 APE 1236: APE 1236M1 Deactivation Furnace
The APE 1236M1 deactivation furnace is a rotary furnace used to destroy ammunition ranging from small arms through 20 mm. The furnace is equipped with a cyclone, diesel oil-fired afterburner, Sodium Bicarbonate Injection System, high temperature baghouse, fan, and a stack.

II.B Requirements and Limitations

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

II.B.1 APE 1236M1 Deactivation Furnace (APE 1236).

II.B.1.a Condition:

The permittee shall comply with all applicable requirements of 40 CFR 63 Subpart EEE including but not limited to (a)-(f) below:

(a) Emissions limits- (40 CFR §63.1219(a)). The permittee shall not discharge or cause combustion gases to be emitted into the atmosphere that contain:

(1) Dioxin and furans:

(A) For incinerators equipped with either a waste heat boiler or dry air pollution control system, either:

(i) Emissions of dioxins and furans shall not exceed 0.20 ng TEQ/dscm, corrected to 7 percent oxygen; or

(ii) Emissions of dioxins and furans shall not exceed 0.40 ng TEQ/dscm, corrected to 7 percent oxygen, provided that the combustion gas temperature at the inlet to the initial particulate matter control device is 400 °F or lower based on the average of the test run average temperatures. (For purposes of compliance, operation of a wet particulate matter control device is presumed to meet the 400 °F or lower requirement);

(B) Emissions of dioxins and furans shall not exceed 0.40 ng TEQ/dscm, corrected to 7 percent oxygen, for incinerators not equipped with either a waste heat boiler or dry air pollution control system;

(C) A source equipped with a wet air pollution control system followed by a dry air pollution control system is not considered to be a dry air pollution control system, and a

source equipped with a dry air pollution control system followed by a wet air pollution control system is considered to be a dry air pollution control system for purposes of this standard;

- (2) Mercury in excess of 130 micrograms/dscm, corrected to 7 percent oxygen;
- (3) Cadmium and lead in excess of 230 micrograms/dscm, combined emissions, corrected to 7 percent oxygen;
- (4) Arsenic, beryllium, and chromium in excess of 92 micrograms/dscm, combined emissions, corrected to 7 percent oxygen;
- (5) For carbon monoxide and hydrocarbons, either:
 - (i) Carbon monoxide in excess of 100 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis and corrected to 7 percent oxygen. If you elect to comply with this carbon monoxide standard rather than the hydrocarbon standard under paragraph (a)(5)(ii), you must also document that, during the destruction and removal efficiency (DRE) test runs or their equivalent as provided by §63.1206(b)(7), hydrocarbons do not exceed 10 parts per million by volume during those runs, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane; or
 - (ii) Hydrocarbons in excess of 10 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane;
- (6) Hydrogen chloride and chlorine gas (total chlorine) in excess of 32 parts per million by volume, combined emissions, expressed as a chloride (Cl(-)) equivalent, dry basis and corrected to 7 percent oxygen; and
- (7) Particulate matter in excess of 0.013 gr/dscf corrected to 7 percent oxygen.

(b) Destruction and removal efficiency standard (DRE)- (40 CFR §63.1219(c)).

(1) Except as provided in paragraph (b)(2), the permittee shall achieve a destruction and removal efficiency (DRE) of 99.99% for each principle organic hazardous constituent (POHC) designated under paragraph (b)(3). The permittee shall calculate DRE for each POHC from the following equation:

$$DRE = [1 - (W_{out} / W_{in})] \times 100\%$$

Where:

W_{in} = mass feedrate of one POHC in a waste feedstream; and

W_{out} = mass emission rate of the same POHC present in exhaust emissions prior to release to the atmosphere.

(2) 99.9999% DRE. If you burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027 (see 40 CFR §261.31), you must achieve a DRE of 99.9999% for each POHC that you designate under paragraph (b)(3). You must demonstrate this DRE performance on POHCs

that are more difficult to incinerate than tetra-, penta-, and hexachlorodibenzo-p-dioxins and dibenzofurans. You must use the equation in paragraph (b)(1) to calculate DRE for each POHC. In addition, you must notify the Administrator of your intent to incinerate hazardous wastes F020, F021, F022, F023, F026, or F027.

(3) Principal organic hazardous constituent (POHC).

(i) You must treat each POHC in the waste feed that you specify under paragraph (b)(3)(ii) to the extent required by paragraphs (b)(1) and (b)(2).

(ii) You must specify one or more POHCs that are representative of the most difficult to destroy organic compounds in your hazardous waste feedstream. You must base this specification on the degree of difficulty of incineration of the organic constituents in the hazardous waste and on their concentration or mass in the hazardous waste feed, considering the results of hazardous waste analyses or other data and information.

(c) Significant figures- (40 CFR 63.1219 (d)).

(d) Compliance with Standards- (40 CFR 63.1206(b)).

(e) Operating requirements- (40 CFR 63.1206 (c)).

(f) General Provisions- The permittee shall comply with all applicable requirements of 40 CFR 63 Subpart A as given in Table 1 of 40 CFR 63 Subpart EEE.

[Authority granted under 40 CFR 63 Subpart EEE; condition originated in 40 CFR 63 Subpart EEE]

II.B.1.a.1

Monitoring:

The permittee shall comply with all applicable performance testing and monitoring requirements of 40 CFR 63 Subpart EEE including but not limited to those given in 40 CFR 63.1207, 1208, 1209, and 1215.

The permittee shall comply with all applicable requirements of 40 CFR 63 Subpart A as given in Table 1 of 40 CFR 63 Subpart EEE.

II.B.1.a.2

Recordkeeping:

The permittee shall comply with the recordkeeping requirements in Section I of this permit and any additional recordkeeping requirements of:

(a) 40 CFR 63 Subpart EEE including but not limited to those given in 40 CFR 63.1211.

(b) 40 CFR 63 Subpart A as given in Table 1 of 40 CFR 63 Subpart EEE.

II.B.1.a.3

Reporting:

The permittee shall comply with the reporting requirements in Section I of this permit and any additional reporting and notification requirements of:

(a) 40 CFR 63 Subpart EEE, as applicable, including but not limited to those given in 40 CFR 63.1207, 1210, 1211, 1212 and 1215.

(b) 40 CFR 63 Subpart A as given in Table 1 of 40 CFR 63 Subpart EEE.

II.B.1.b

Condition:

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any permitted plant equipment, 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 Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [Authority granted under R307-401-8(2); condition originated in DAQE-AN0115940036-08].

II.B.1.b.1

Monitoring:

Records required for this permit condition will serve as monitoring.

II.B.1.b.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.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:

Hours of operation shall be no greater than 20 hours per day and 6,000 hours per rolling 12-month period while feeding hazardous waste (HW). [Authority granted under R307-401-(8)(1)(a) [BACT]; condition originated in DAQE-AN0115940036-08].

II.B.1.c.1

Monitoring:

By the 15th day of each month, the permittee shall calculate the total hours of HW operations in the previous 12 months for the affected emission unit. The hours of HW operations for the affected emission unit shall be determined by an hour meter and/or a log.

II.B.1.c.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.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:

The permittee shall use only #1 or #2 fuel oil as a primary fuel and propane as a pilot fuel. [Authority granted under R307-401-(8)(1)(a)[BACT] and R307-203-1; condition originated in DAQE-AN0115940036-08].

II.B.1.d.1

Monitoring:

Records required for this permit condition will serve as monitoring.

II.B.1.d.2

Recordkeeping:

The permittee shall keep one or more of the following sets of records for the affected emission unit:

- (1) Documentation that the burners can only use the fuels listed in this condition;
- (2) Documentation that fuels other than those listed in this condition cannot be supplied to the burners without modification of the fuel supply system; or
- (3) Fuel bills or fuel meter readings that demonstrate only the fuels listed in this condition are combusted in the burners.

If fuel bills or fuel meter readings will be used, the permittee shall review fuel bills or fuel meter readings at least once per quarter to determine compliance with this condition. The records required by this condition shall be maintained in accordance with Provision I.S.1 of this permit.

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:

Gas residence time shall be no less than 2 seconds in the afterburner during the HW incineration period. [Authority granted under R307-401-(8)(1)(a) (BACT); condition originated in DAQE-AN0115940036-08].

II.B.1.e.1

Monitoring:

In lieu of monitoring gas residence time, the permittee shall monitor stack gas velocity as follows:

(a) Frequency. The stack gas velocity shall be measured at least once every 30 seconds during each HW incineration period, as defined in this permit. The stack gas velocity data recorder shall be located such that an inspector/operator can safely read the output.

(b) Calibration. The velocity readings shall be accurate to plus or minus 5 feet per second. The velocity measurement device shall be calibrated against a primary standard at least once every 12 months. The primary standard shall be established by the permittee and shall be submitted to the Executive Secretary for approval.

The permittee shall be considered to be in compliance with gas residence time requirement of this condition when the stack gas velocity is less than or equal to 70 feet per second.

II.B.1.e.2

Recordkeeping:

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

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:

Baghouse pressure drop shall be no less than 1.0 inches of water column. [Authority granted under R307-401-(8)(1)(a) (BACT); condition originated in DAQE-AN0115940036-08].

II.B.1.f.1

Monitoring:

The permittee shall monitor the pressure drop across the baghouse as follows:

(a) Frequency. The pressure drop shall be measured at least once every 30 seconds during each HW incineration period, as defined in this permit. The pressure drop data recorder shall be located such that an inspector/operator can safely read the output.

(b) Calibration. The pressure drop readings shall be accurate to plus or minus 0.5 inches of water column. The pressure drop measurement device shall be calibrated against a primary standard at least once every 12 months. The primary standard shall be established by the permittee and shall be submitted to the Executive Secretary for approval.

II.B.1.f.2

Recordkeeping:

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

II.B.1.f.3

Reporting:

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

II.B.1.g Condition:

Visible emissions shall be no greater than 10 percent opacity from the high temperature ceramic bag stack. [Authority granted under R307-401-(8)(1)(a) (BACT); condition originated in DAQE-AN0115940036-08].

II.B.1.g.1 Monitoring:

An opacity determination shall be conducted once in each quarter that the affected emission unit is operated. The opacity determination shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.1.g.2 Recordkeeping:

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

II.B.1.g.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.

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. (Permit Shield)

This regulation is not applicable to the Permitted Source for the following reason(s): A shield has not been requested [Last updated May 14, 2009]

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-AN0115940036-08 dated June 27, 2008
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1. Historical comment on an item originating in DAQE-AN0115940035-07: regarding APE 1236M1 Deactivation Furnace (Unit APE 1236): Portions of Condition 12 regarding initial testing are Obsolete: Portions of Condition 11 regarding initial testing are obsolete and have not been included in this permit. Initial testing was conducted between April 20 and May 4 of 2000. This testing demonstrated compliance with the PM₁₀ emission limit in condition 11. [Last updated May 14, 2009]
2. Historical comment on an item originating in R307-203 regarding APE 1236M1 Deactivation Furnace (Unit APE 1236): The R307-203-1 fuel-sulfur requirement of 0.85 lb/MMBtu has been subsumed by the more stringent BACT requirement to burn only #1 or #2 Fuel oils. Since #1 and #2 fuel oils contain less than 0.85 lb/MMBtu sulfur, the R307-203-1 limitation is not included in this permit, although it is cited along with the BACT origin. [Last updated May 14, 2009]
3. Historical comment on an item originating in DAQE-AN0115940035-07 regarding APE 1236M1 Deactivation Furnace (Unit APE 1236): Primary Standards for Calibration: For monitoring equipment on the afterburner and baghouse, the permittee is required to submit the primary standards for calibration to the Executive Secretary for approval. The permittee described the proposed primary standards in a letter dated December 26, 2001, to the Executive Secretary. In this letter, the permittee stated the monitoring devices would be calibrated with measuring and test equipment with certified NIST traceability. Therefore, the permittee will calibrate the monitoring devices at least once per year with measuring and test equipment with certified NIST traceability. [Last updated May 14, 2009]
4. Review of CAM Applicability: The TEAD incinerator is subject to the MACT standard 40 CFR Part 63, Subpart EEE and for that reason is exempt from having to submit a CAM plan in accordance with 40 CFR Part 64.2(b)(1)(i). [Last updated May 19, 2009]