PERMIT MODIFICATION\AMENDMENT TRACKING SHEET

Use this sheet to list the original permit issuance date and all subsequent revision dates for permits which are being amended or modified. **This sheet is not a formal part of the permit. However, for convenience of the permits staff, it is to be kept with internal TCEQ copies of the permit as a modification tracking sheet.** All permit modifications or amendments (including Class 1 modifications and minor amendments) should be listed on this sheet with their respective revision numbers and issuance\notification dates.

Permit Modification/Amendment	**Revision No.**	**Date**
- Original Permit Issuance	**0**	**10/21/2003**
- Class 1 Modification (Section VI Response Actions Flowchart)	**1**	**2/11/2004**
- Class 1[1] Permit Modification (Statistical Procedure for BG Monitoring Data Evaluation)	**2**	**2/27/2004**
- Class 1 Permit Modification (Addition of EPA Codes -WAP, typo errors, admin changes, Air info - Bld 16-18)	**3**	**3/09/2004**
- Class 1 Permit Modification (Submittal of SPCC/RCRA Contingency Plan Rev. 6 and admin changes to WAP)	**4**	**6/13/2005**
- Class 1 Permit Modification (Admin/info changes -Provision VII.B -11-7 Closures)	**5**	**7/6/2005**
- Class 2 Permit Modification (Section VI and Associated Attachments)	**6**	**3/30/2006**
- Class 1 Permit Modification (Update to SPCC/RCRA Contingency Plan Rev. 6, Section VI, Att. G & H)	**7**	**9/28/2006**
- Class 1 Permit Modification (Attachment E)	**8**	**9/8/2006**

Report Submittal Tracking Sheet

All reports required to be submitted to the agency by the permittee must be listed on this page in the order in which their corresponding sections are contained in the permit. All due dates should be specific, i.e., if the permit requires a report submittal within 60 days of permits issuance, then this sheet should contain the exact submittal date such as 12/17/94. **This sheet is not a formal part of the permit, so it can be updated by the permit coordinator as necessary.** Once the permit is issued and this sheet has been updated to reflect the most current dates, a courtesy copy should be sent to the permittee and to the appropriate regional office to ensure that no confusion exists regarding required submittal dates.

Required Submittal	Required Submittal Date	Actual Submittal Date
Sample collection, prep and analysis methods having mods (Prov. III.F.2)	12/20/2003 (60 days of issuance)	12/18/2003
Statistical Procedure for Env. Monitoring (Prov. VI.E.3.c)	1/19/2004 (90 days of issuance)	1/16/2004
Biennial Report (Prov. II.B.7)	March 1, 2004 (Biennial Submittal even-numbered years)	2/27/2004
Waste Minimization Annual Certification (Prov. II.B.9)	March 1, 2004 (Annual Submittal)	2/27/2004
Source Reduction and Waste Minimization Report (Prov II.B.8)	July 1, 2004 (Annual Submittal)	6/16/2004
Source Reduction and Waste Minimization 5-Year Plan (Prov II.B.8)	Every 5 years Next due July1, 2004	12/10/2003 (effective 1/1/2004)
Annual Detection Monitoring Report (Prov. VI.H)	3/31/2005	3/29/2005
Semi-Annual Detection Monitoring Report (Prov. II.B.10 and VI.H)	10/15/2005	10/13/2005
Waste Minimization Annual Certification (Prov. II.B.9)	March 1, 2005 (Annual Submittal)	2/28/2005
Source Reduction and Waste Minimization Report (Prov II.B.8)	July 1, 2005 (Annual Submittal)	6/29/2005
Biennial Report (Prov. II.B.7)	March 1, 2006 (Biennial Submittal even-numbered years)	2/27/2006
Waste Minimization Annual Certification (Prov. II.B.9)	March 1, 2006 (Annual Submittal)	2/27/2006

Semi-Annual Detection Monitoring Report (Prov. II.B.10 and VI.H)	4/15/2006	4/12/2006
Source Reduction and Waste Minimization Report (Prov II.B.8)	July 1, 2006 (Annual Submittal)	6/28/2006
Waste Minimization Annual Certification (Prov. II.B.9)	March 1, 2007 (Annual Submittal)	

HAZARDOUS WASTE PERMIT NO. 50284
EPA ID. NO. TX 4890110527
ISWR NO. 30459

Name of Permittee:	U.S. Department of Energy/National Nuclear Security Administration-Pantex Plant Pantex Site Office 955 Farm to Market 2373 Panhandle, Texas 79068
Site Owner:	U.S. Department of Energy/National Nuclear Security Administration-Pantex Plant Pantex Site Office 955 Farm to Market 2373 Panhandle, Texas 79068
Classification of Site:	Hazardous and Nonhazardous Class 1 solid waste storage and processing on-site, noncommercial

The permittee is authorized to manage wastes in accordance with the limitations, requirements, and other conditions set forth herein. This permit is granted subject to the rules of the Commission and other Orders of the Commission, and laws of the State of Texas. This permit does not exempt the permittee from compliance with the Texas Clean Air Act. This permit will be valid until canceled, amended, modified or revoked by the Commission, except that the authorization to store and process of wastes shall expire midnight, 10 years after the date of renewal permit approval. This permit was originally issued on April 25, 1991.

All provisions in this permit stem from State and/or Federal authority. Those provisions marked with an asterisk (*) stem from Federal authority and will implement the applicable requirements of HSWA for which the Texas Commission on Environmental Quality has not been authorized. Those provisions marked with a double asterisk (**) stem from federal authority only.

Permit Table of Contents

Permit Table of Contents (Con'd)

Permit Table of Contents (Con'd)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS 1[1] PERMIT MODIFICATION
TO
HAZARDOUS WASTE PERMIT NO. 50284
U.S. DOE/NNSA Pantex Plant - Amarillo, TX

Permit No. 50284 is hereby modified as follows:

Continuation Sheet 5 of 40

Provision I.B. Incorporated Application Materials

"...elements listed in 'Attachment C', and the July 22, 2009 Class 1[1] permit modification to delete the Texas Clean Air Act provisions from Permit No. 50284 (provisions incorporated into Air Permit No. 84802) and add a waste process associated with a laboratory testing procedure to the permit, which are hereby approved..."

Continuation Sheet 34 of 40

Provision X.A. General Air Quality Conditions

Delete Provisions X.A.1 through X.A.3.

Continuation Sheet 35 of 40

Provision X.A. General Air Quality Conditions

Delete Provisions X.A.4 through X.A.11.

Continuation Sheet 36 of 40

Provision X.B. Unit Operations

Replace Provisions X.B.1. in the current permit with the following:

1. Container Storage Areas

   Containers with hazardous wastes which are stored in the container storage area(s) listed in Table V.B – Container Storage Areas, shall not be opened at any time except for the purpose of sampling, transferring, treating, or repackaging the waste. During such occurrences the top of the container shall be opened only for the minimum time necessary to extract a sample or transfer the waste.

Delete Provisions X.B.2.c through X.B.2.e.

Continuation Sheet 37 of 40

Provision X.B. Unit Operations

Delete Provisions X.B.2.g and X.B.2.h.

Replace Provisions X.B.2.i in the current permit with the following:

i. Materials to be thermally treated consist of high explosives which include insensitive high explosives, plastic bonded explosives, explosive components, pyrotechnic materials and devices and other materials contaminated with high explosives. Materials that may also be treated are explosives contaminated by or encased in materials such as foams, plastics and metals.

Continuation Sheet 38 of 40

Provision X.B. Unit Operations

Delete Provisions X.B.2.j.3 through X.B.2.j.5.

Delete Provisions X.B.2.k.1 through X.B.2.k.3.

Continuation Sheet 39 of 40

Provision X.B. Unit Operations

Delete Provisions X.B.2.k.4 through X.B.2.k.6.

Provision X.C. Process Vents and Equipment Leaks

Delete Provision X.C.1.

Delete Provision X.C.1.

Attachment F Emission Sources-Maximum Allowable Emission Rates

Delete Attachment F.

This Class 1[1] Permit Modification is part of Permit No. 50284 and should be attached thereto.

Issued Date: 10/02/2009

For the Commission

PERMIT SECTION I. - FACILITY DESCRIPTION

A. SIZE AND LOCATION OF SITE

A permit is issued to United States Department of Energy (DOE) Pantex facility (hereafter called the permittee), to operate a hazardous waste processing and storage facility located seventeen miles northeast of Amarillo, north of U.S. Highway 60 and contiguous to the west side of State Highway 2373, in Carson County, Texas, drainage area of Segment No. 0224 in the North Fork of the Red River Basin (North Latitude 35 ° 19 ' 11 ", West Longitude 101 ° 35 ' 07 "). However, due to area meteorological, topographic and geologic conditions, most surface water drains to playa lakes located on the site. The legal description of the facility submitted in permit No. HW-50284-000 application dated October 1, 2000 and describing approximately 9,100 acres is hereby made a part of this permit as "Attachment A." The hazardous waste management facility as delineated by the permittee's application map is hereby made a part of this permit as "Attachment B."

B. INCORPORATED APPLICATION MATERIALS

This permit is based on, and the permittee shall follow the Part A and Part B Industrial and Hazardous Waste Application submittals, the application materials listed in Attachment C: List of Incorporated Application Materials; and the following amendments/modifications to the permit, which are hereby approved subject to the terms of this permit and any other orders of the Texas Commission on Environmental Quality (TCEQ):

Permit Modification/Amendment Description of Change	Submittal Date/Revision Date
Class 1 Modification Incorporate a flowchart illustrating the requirements of Permit Provision VI.F	December 15, 2003/February 11, 2004
Class 1[1] Modification Correct typographical errors and incorporates specific statistical procedures into Provision VI. - Monitoring	January 16, 2004/February 27, 2004
Class 1 Modification Change the name and address of the permittee and site owner, incorporate additional EPA waste codes into the Waste Analysis Plan, corrects typographical errors.	January 29, 2004/March 9, 2004
Class 1 Modification Revise the Contingency Plan-Pantex Plant Spill Prevention, Control, and Countermeasures (SPCC) Plan and Resource Conservation and Recovery Act (RCRA) Contingency Plan, Revision 6; revise Table III.E.2 and Table III.E.3; and update the Pantex Plant Waste Analysis Plan to incorporate various administrative and informational changes.	April 26, 2005/June 13, 2005

Class 1 Modification April 28, 2005/July 6, 2005
Update Information in Provisions VII.A.6. & VII.B, Table III.D., Table V.B., and Attachment D to reflect the closure of Permit Unit Nos. 1, 41, and 42.

Class 2 Modification August 31, 2005/November 21, 2005
Replace the January 2002 Pantex Plant Burning Ground Monitoring Plan with the revised Pantex Plant Burning Ground Monitoring Plan, dated November 2005.

Class 1 Modification August 31, 2006/September 28, 2006
Class 1 Modification dated August 31, 2006, to revise the Contingency Plan - Pantex Plant Spill Prevention, Control, and Countermeasures (SPCC) Plan and Resource Conservation and Recovery Act (RCRA) Contingency Plan, Revision 6; and to update Section VI and Attachments G & H of Hazardous Waste Permit No. 50284 to incorporate various administrative and informational changes.

Class 1 Modification August 11, 2006/September 8, 2006
Class 1 Modification dated August 11, 2006, to replace Figure 2 in Pantex Burning Ground Monitoring Plan

These materials are incorporated into this permit by reference as if fully set out herein. Any and all revisions to these elements shall become conditions of this permit upon the date of approval by the Commission.
[II.A.]

PERMIT SECTION II. - GENERAL FACILITY STANDARDS

A. STANDARD PERMIT CONDITIONS

The permittee has a duty to comply with the Standard Permit Conditions under 30 Texas Administrative Code (TAC) Section 305.125. Moreover, the permittee has a duty to comply with the following permit conditions:

1. Modification of Permitted Facilities

The facility units and operational methods authorized are limited to those described herein and by the application submittals identified in Provision I.B. (Incorporated Application Materials). All facility units and operational methods are subject to the terms and conditions of this permit and TCEQ rules. Prior to constructing or operating any facility units in a manner which differs from either the related plans and specifications contained in the permit application or the limitations, terms or conditions of this permit, the permittee must comply with the TCEQ permit amendment/modification rules as provided in 30 TAC Sections 305.62 and 305.69.

2. Duty to Comply

[30 TAC Section 305.142] The permittee must comply with all the conditions of this permit, except that the permittee need not comply with the conditions of this permit to the extent and for the duration such noncompliance is authorized in an emergency order issued by the Commission. Any permit noncompliance, other than noncompliance authorized by an emergency order, constitutes a violation of RCRA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

3. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

[II.A.]

4. Definitions

For purposes of this permit, terms used herein shall have the same meaning as those in 30 TAC Chapters 305, 335 and 350 unless this permit specifically provides otherwise; where terms are not defined in the regulations or the permit, the meaning associated with such terms shall be defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.

Application data - data used to complete the final application and any supplemental information.

Open Burn/Open Detonation (OB/OD) Units - Units designed for the treatment of energetics. These units have no secondary containment. The OB/OD units are unit numbers 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, and 43.

RCRA Burning Ground Area - The area encompassing RCRA units numbers: 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, and 43.

5. Permit Expiration

In order to continue a permitted activity after the expiration date of the permit the permittee shall submit a new permit application at least 180 days before the expiration date of the effective permit, unless permission for a later date has been granted by the Executive Director. Authorization to continue such activity will terminate upon the effective denial of said application.

6. Certification Requirements

[30 TAC Section 305.144] For a new facility, the permittee may not commence storage, processing, or disposal of solid waste; and for a facility being modified, the permittee may not process, store or dispose of solid waste in the modified portion of the facility, except as provided in 30 TAC Section 305.69 (relating to Solid Waste Permit Modification at the Request of the Permittee) until the following has been accomplished:

a. The permittee has submitted to the Executive Director and the local Regional Office of the TCEQ, by certified mail or hand delivery, a letter signed by the permittee, and signed and sealed by a Texas Licensed Professional Engineer stating that the facility has been constructed or modified in compliance with the permit. If the certification is being provided to document proper closure of a permitted unit, or to certify installation or repair of a tank system, then the certification must be signed and sealed by an independent Texas Licensed Professional Engineer. Required certification shall be in the following form:

[II.A.6.b.]

"This is to certify that the following activity (Specify activity, e.g., construction, installation, closure, etc., of an item) relating to the following item (Specify the item, e.g., the particular facility, facility unit, unit component, subcomponent part, or ancillary component), authorized or required by Hazardous Waste Permit No. 50284, has been completed, and that construction of said facility component has been performed in accordance with and in compliance with good engineering practices and the design and construction specifications of Hazardous Waste Permit No. 50284.

b. A certification report has been submitted, with the certification described in Provision II.A.6., which is logically organized and describes in detail the tests, inspections, and measurements performed, their results, and all other bases for the conclusion that the facility unit, unit component, and/or closure have been constructed, installed and/or performed in conformance with the design and construction specifications of this permit and in compliance with this permit. The report shall describe each activity as it relates to each facility unit or component being certified including reference to all applicable permit provisions. The report shall contain the following items, at a minimum:

(1) Scaled, as-built plan-view and cross-sectional drawings which accurately depict the facility unit and all unit components and subcomponents and which demonstrate compliance with the design and construction specifications approved and detailed in the terms of this permit;

(2) All necessary references to dimensions, elevations, slopes, construction materials, thickness and equipment; and

(3) For all drawings and specifications, the date, signature, and seal of a

Professional Engineer who is Licensed in the State of Texas.

c. The Executive Director has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or if within 15 days of submission of the letter required by paragraph (a) of this section, the permittee has not received notice from the Executive Director of the intent to inspect, prior inspection is waived and the permittee may commence processing, storage, or disposal of solid waste.

* 7. Land Disposal Restrictions

The permittee shall comply with the land disposal restrictions as found in 40 CFR 268 and any subsequent applicable requirements promulgated through the Federal Register. Requirements include modifying/amending the permittee's waste analysis plan to include analyses to determine compliance with applicable treatment standards or prohibition levels, pursuant to 40 CFR 268.7(c) and 264.13(a).

8. Dust Suppression

Pursuant to 40 CFR 266.23(b)/30 TAC Section 335.214(b), the permittee shall not use waste, used oil, or any other material which is contaminated with dioxin, polychlorinated biphenyls (PCBs), or any other hazardous waste (other than a waste identified solely on the basis of ignitability) for dust suppression or road treatment.

[II.B]

B. RECORDKEEPING AND REPORTING REQUIREMENTS

1. Monitoring and Records

a. All data submitted to the TCEQ shall be in a manner consistent with the latest version of the Quality Assurance Project Plan for the Texas Commission on Environmental Quality for Environmental Monitoring and Measurement Activities Relating to the Resource Conservation and Recovery Act (TCEQ QAPP).

b. [30 TAC Section 305.125(11)(A)] Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity. The method used to obtain a representative sample of the material to be analyzed shall be the appropriate method from Appendix I of 40 CFR Part 261. An equivalent method may be used with prior written approval of the executive director of the TCEQ. Laboratory methods shall be those specified in *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, 1987, as revised in official revisions; Standard Methods for the Examination of Water and Wastewater, Fifteenth Edition, 1980, and 1981 supplement, or current adopted edition; RCRA Ground-Water Monitoring: Draft Technical Guidance, 1992*, OSWER Directive 9950.1. Equivalent or modified methods must be specified in the Waste Analysis

Plan, Section IV of the Part B Application, and have written approval of the Executive Director prior to use.

c. [30 TAC Section 305.125(11)(B)] The permittee shall retain in a reasonably organized fashion and furnish to the Executive Director, upon request, records of all monitoring information, copies of all reports and records required by this permit, and the certification required by 40 CFR 264.73(b)(9), for a period of at least 3 years from the date of the sample, measurement, report, record, certification, or application.

d. [30 TAC Section 305.125(11)(C)] Records of monitoring shall include the following:

(1) The date, time, and place of sample or measurement;

(2) The identity of individual who collected the sample or measurement;

(3) The dates analyses were performed;

(4) The identity of individual and laboratory who performed the analyses;

(5) The analytical techniques or methods used; and

(6) The results of such analyses or measurements.

[II.B.]

2. Operating Record

In addition to the recordkeeping and reporting requirements specified elsewhere in this permit, the permittee shall maintain a written operating record at the facility, in accordance with 40 CFR 264.73. These records will be made available to representatives of the TCEQ upon request.

3. Retention of Application Data

[30 TAC Section 305.47] A permittee shall keep records throughout the term of the permit of data used to complete the final application and any supplemental information. All copies of renewals, amendments, revisions and modifications must also be kept at the facility such that the most current documents are available for inspection at all times. All materials, including any related information, submitted to complete the application shall be retained, not just those materials which have been incorporated into the permit.

4. Reporting of Noncompliance

The permittee shall report to the Executive Director of the TCEQ information regarding any noncompliance which may endanger human health or the environment. [30 TAC Section

305.125(9)]

a. Report of such information shall be provided orally within 24 hours from the time the permittee becomes aware of the noncompliance.

b. A written submission of such information shall also be provided within five days of the time the permittee becomes aware of the noncompliance. The written submission shall contain the following:

(1) a description of the noncompliance and its cause;

(2) the potential danger to human health or safety, or the environment;

(3) the period of noncompliance, including exact dates and times;

(4) if the noncompliance has not been corrected, the anticipated time it is expected to continue; and

(5) steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance, and to mitigate its adverse effects.

[II.B.5.]

5. Twenty-Four Hour Reporting

The following shall be included as information which must be reported orally within 24 hours pursuant to Title 30 TAC Section 305.125(9): [30 TAC Section 305.145]

a. Information concerning release of any solid waste that may cause an endangerment to public drinking water supplies;

b. Any information of a release or discharge of solid waste, or of a fire or explosion which could threaten the environment or human health or safety, outside the facility. The description of the occurrence and its cause shall include:

(1) name, address, and telephone number of the owner or operator;

(2) name, address, and telephone number of the facility;

(3) date, time, and type of incident;

(4) name and quantity of material(s) involved;

(5) the extent of injuries, if any;

(6) an assessment of actual or potential hazards to the environment and human

health or safety outside the facility, where this is applicable; and

(7) estimated quantity and disposition of recovered material that resulted from the incident.

6. Notice Waiver

[30 TAC Section 305.145(b)] The Executive Director may waive the five-day written notice requirement specified in Provision II.B.4.b. (Reporting of Noncompliance) in favor of a written report submitted to the Commission within 15 days of the time the permittee becomes aware of the noncompliance or condition.

7. Biennial Report

The permittee shall prepare and submit to the Executive Director all information and records required by 40 CFR 264.75. By March 1st of each even-numbered year for the preceding odd-numbered year's activities the permittee shall submit either a Biennial Report or letter certifying submission of the above. One copy of the report/letter shall be submitted to the TCEQ Industrial and Hazardous Waste Permits Section and an additional copy shall be submitted to the appropriate TCEQ Regional Office.

[II.B.8.]

8. Pollution Prevention

Facilities subject to 30 TAC Chapter 335, Subchapter Q - Pollution Prevention: Source Reduction and Waste Minimization, must prepare a five year Source Reduction and Waste Minimization Plan and submit a Source Reduction and Waste Minimization Annual Report (SR/WM Annual Report) to the TCEQ Small Business and Environmental Assistance Division. This report must be submitted annually on the dates specified in the rule.

9. Waste Minimization

The permittee shall annually certify, by March 1st for the previous calendar year, the following information, [40 CFR 264.73(b)(9)]:

a. that the permittee has a program in place to reduce the volume and toxicity of all hazardous wastes which are generated by the permittee's facility operation to the degree determined to be economically practicable; and

b. that the proposed method of treatment, storage, or disposal is that practicable method currently available to the permittee which minimizes the present and future threat to human health and the environment. This waste minimization certification is to be included in the facility operating records until closure.

10. Annual Monitoring Report

The permittee shall submit an Annual Monitoring Report as required by Provision VI.H. by April 15th of each year.

11. Manifest Discrepancy Report

If a significant discrepancy in a manifest is discovered, the permittee must attempt to reconcile the discrepancy. If not resolved within fifteen days, the permittee must submit a report, describing the incident, to the Executive Director, as per the requirements of 30 TAC Section 335.12(c)(2). A copy of the manifest must be included in the report.

12. Unmanifested Waste Report

A report must be submitted to the Executive Director within 15 days of receipt of unmanifested waste, as per the requirements of 30 TAC Section 335.15(3).

[II.C.]
C. INCORPORATED REGULATORY REQUIREMENTS

1. State Regulations

The following TCEQ regulations are hereby made provisions and conditions of this permit. Issuance of this permit with incorporated rules in no way exempts the permittee from compliance with any other applicable state statute and/or Commission Rule.

a. 30 TAC Chapter 305, Subchapter A: General Provisions;

b. 30 TAC Chapter 305, Subchapter C: Application for Permit;

c. 30 TAC Sections 305.61 - 305.69 (regarding amendments, renewals, transfers, corrections, revocation and suspension of permits);

d. 30 TAC Sections 305.121 - 305.125 (regarding permit characteristics and conditions);

e. 30 TAC Sections 305.127 - 305.129 (regarding permit conditions, signatories and variance procedures);

f. 30 TAC Chapter 305, Subchapter G:Additional Conditions for Hazardous and Industrial Solid Waste Storage, Processing and Disposal Permits;

g. 30 TAC Chapter 335, Subchapter A

h. 30 TAC Chapter 335, Subchapter B;

i. 30 TAC Section 335.152;

j. 30 TAC Sections 335.153 - 335.155;

k. 30 TAC Sections 335.177

l. 30 TAC Chapter 335, Subchapter Q

m. 30 TAC Chapter 335, Subchapter S

n. 30 TAC Chapter 350.

2. Federal Regulations

To the extent applicable to the activities authorized by this permit, the following provisions of 40 CFR Part 264 and Subpart 268, adopted by reference by 30 TAC Section 335.152 and 335 Subchapter O are hereby made provisions and conditions of this permit, to the extent consistent with the Texas Solid Waste Disposal Act, Texas Health and Safety Code Ann., Chapter 361 (Vernon), and the rules of the TCEQ:

a. Subpart B -- General Facility Standards;

[II.C.2.] b. Subpart C -- Preparedness and Prevention;

c. Subpart D -- Contingency Plan and Emergency Procedures;

d. Subpart E -- Manifest System, Recordkeeping, and Reporting;

e. Subpart G -- Closure and Post-closure;

f. Subpart I -- Use and Management of Containers;

g. Subpart X -- Miscellaneous Units;

h. Subpart AA -- Air Emission Standards for Process Vents;

i. Subpart BB -- Air Emission Standards for Equipment Leaks;

j. Subpart CC -- Air Emission Standards for Tanks, Surface Impoundments, and Containers;

k. Subpart EE – Hazardous Waste Munitions and Explosives Storage.

l. 40 CFR Part 268 Land Disposal Restrictions.

PERMIT SECTION III. - FACILITY MANAGEMENT

A. OPERATION OF FACILITY

The permittee shall construct, maintain, and operate the facility to minimize the possibility of a fire, explosion, or any unplanned, sudden or non-sudden release of hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment, as required by 40 CFR 264.31. All equipment and structures used to manage hazardous waste at the facility shall be maintained in proper operating condition.

B. PERSONNEL TRAINING

The permittee shall ensure that all facility personnel involved with hazardous waste management successfully complete a training program as required by 40 CFR 264.16. The permittee shall maintain training documents and records, as required by 40 CFR 264.16(d) and (e).

C. SECURITY

1. The permittee shall provide and maintain an artificial or natural barrier which completely surrounds the active waste management portion(s) of the facility and shall have a means to control entry, at all times, through gates or other entrances to these same facility areas.

2. The permittee shall post warning signs at all points of access to the active waste management portion(s) of the facility and along the natural and/or artificial barriers in sufficient numbers to be seen from any approach to that (those) portion(s) of the facility. The signs shall be printed so that they may be clearly read from a distance of at least 25 feet, and shall state "Danger - Unauthorized Personnel Keep Out" in English.

[III.]

D. GENERAL INSPECTION REQUIREMENTS

The permittee shall follow the inspection schedule contained in the permit application submittals identified in Provision I.B. (Incorporated Application Material) and as set out in Table III.D.- Inspection Schedule. The permittee shall remedy any deterioration or malfunction discovered by an inspection, as required by 40 CFR 264.15(c). Records of inspection shall be kept, as required by 40 CFR 264.15(d). Any remedial actions taken in response to facility inspections and the date of the remediation shall be included in the inspection records.

E. CONTINGENCY PLAN

1. The permittee shall follow the Contingency Plan, developed in accordance with 40 CFR Part 264 Subpart D, and contained in the permit application submittals identified in Provision I.B. (Incorporated Application Material). Copies of this plan shall be available to all employees involved in waste management at the facility.

2. The permittee shall immediately initiate clean-up procedures for removal of any spilled

hazardous or industrial nonhazardous wastes and waste residues and shall take all steps necessary to prevent surface-water or groundwater contamination as a result of any spills.

3. Collected hazardous or industrial nonhazardous wastes, spills, leaks, clean-up residues, and contaminated rainfall runoff, including contaminated stormwater from the drainage control system(s) associated with the permitted units, shall be removed promptly after the spillage and\or rainfall event in as timely a manner as is necessary to prevent overflow of the system by the following method(s):

   a. Removal to an on-site authorized facility unit;

   b. Removal to an authorized industrial solid waste management facility or authorized off-site facility; or

   c. Discharge in accordance with a wastewater discharge permit.

4. The permittee shall ensure that any equipment or vehicles which have come in contact with waste in the loading/unloading, storage, processing, and/or disposal areas have been decontaminated prior to their movement into designated uncontaminated areas of the site property. At a minimum, all contaminated equipment shall be externally decontaminated and contaminated vehicles shall have their undercarriages and tires or tracks decontaminated to remove all waste residues and to prevent contamination of uncontaminated areas. All wash water generated shall be collected and disposed of in accordance with Provision III.E.3.

[III.E.5.]

5. Preparedness and Prevention

   a. At a minimum, the permittee shall equip the facility as set forth in Table III.E.3.- Emergency Equipment, as required by 40 CFR 264.32.

   b. All sumps, pumps, fire- and spill-control equipment, decontamination equipment, and all other equipment and structures authorized or required through the Contingency Plan shall be tested and maintained, as necessary, to assure its proper operation in time of emergency, as required by 40 CFR 264.33.

   c. The permittee shall maintain access to the communications or alarm system, as required by 40 CFR 264.34.

   d. A trained emergency coordinator shall be available at all times in case of an emergency and will have the responsibility for coordinating all emergency response measures as required by 40 CFR 264.55 and 264.56. Emergency number(s) shall be posted in all waste management portions of the facility and all employees in those areas shall be trained in the location of those postings.

F. SPECIAL PERMIT CONDITIONS

1. Two Solid Waste Management Units (SWMU) which are outside the legal description of the facility in Attachment A are included in the list of units requiring investigation in the Compliance Plan. The two SWMU's are SWMU #10 Pantex Lake and SWMU #9 Playa 4.

2. Within sixty (60) days of issuance of this permit, the permittee shall submit all sample collection, preparation, and analysis methods that have been submitted in past correspondence as having modifications to their procedures. Include a complete description of all modifications along with explanations for the need of these modifications.

PERMIT SECTION IV. - WASTES AND WASTE ANALYSIS

A. WASTE ANALYSIS PLAN

The permittee shall follow the Waste Analysis Plan, developed in accordance with 40 CFR 264.13 and the permit application identified in Provision I.B. (Incorporated Application Material).

B. AUTHORIZED WASTES

1. The permittee is authorized to manage hazardous solid wastes listed in Table IV.B. - Wastes Managed in Permitted Units, subject to the limitations provided herein. Nonhazardous industrial solid waste may be managed in any of the permitted units as long as the total capacity of the unit is not exceeded.

Wastes authorized for storage and processing include those generated from facility sources.

[IV.B.2.]

2. Hazardous Waste Received From Off-Site Sources

The permittee may receive hazardous or nonhazardous waste from the following off-site sources:

a. Wastes or waste residues and associated support material wastes generated off-site from the receipt, management, treatment, storage, packaging and/or processing of any waste generated at this facility. This includes the return of any unprocessed or untreated wastes and any additional ancillary packaging and support materials generated during the management of the original waste by a receiving facility.

b. Wastes, including support material wastes, generated off-site from sanitization of materials derived from operations conducted at this facility.

c. Wastes returned to this facility that are generated at off-site medical/emergency response facilities as a result of decontamination and medical treatment of personnel in response to emergency incidents that occur at this facility.

d. Wastes generated off-site during implementation of corrective actions associated with the Corrective Action Program at this facility.

e. Wastes resulting from response actions taken due to off-site transportation incidents involving wastes and materials shipped from this facility.

f. Wastes that are generated off-site during the testing of Joint Test Assemblies (JTAs), or equivalent, that were produced at this facility.

3. Unless specifically authorized, the wastes in Table IV.B. shall not contain any of the following:

a. Polychlorinated biphenyls (PCBs), as defined by the EPA in regulations issued pursuant to the Toxic Substances Control Act under Title 40 Code of Federal Regulations (CFR) Part 761, unless the permittee is compliant with the federal requirements for PCB storage as specified in 40 CFR Part 761;

b. Radioactive wastes unless the permittee is authorized to store, process and dispose of these wastes in compliance with the Atomic Energy Act of 1954 (as amended); or the permittee is authorized to store, process, and dispose of these waste in compliance with specific licensing and permitting requirements under Chapter 401 of the Texas Health and Safety Code and the rules of the Texas Commission on Environmental Quality or Texas Department of Health or Texas Railroad Commission, and/or any other rules of state or federal authorities;

[IV.B.]

c. Dioxin-containing wastes, identified by EPA as F020, F021, F022, F023, F026, and F027 wastes in 40 CFR 261.31;

d. Municipal garbage; or

e. Special Waste from Health-Care Related Facilities subject to 25 TAC Chapter 1 or 30 TAC Chapter 330.

4. Prior to accepting any additional wastes not authorized in Table IV.B, the permittee shall follow the permit amendment or modification requirements listed in 30 TAC Section 305.62 and 305.69.

5. The permittee may store wastes restricted under 40 CFR Part 268 solely for the purpose of accumulating quantities necessary to facilitate proper recovery, treatment, or disposal provided that it meets the requirements of 40 CFR 268.50(a)(2) including, but not limited to the following:

a. Clearly marking each container to identify its contents and the date each period of accumulation begins;

b. Clearly marking each tank with a description of its contents, the quantity of each hazardous waste received, and the date each period of accumulation begins, or such information for each tank is recorded and maintained in the operating record at that facility.

C. SAMPLING AND ANALYTICAL METHODS

1. Table IV.C. - Sampling and Analytical Methods, shall be used in conjunction with the Waste Analysis Plan referenced in Provision IV.A., in performing all waste analyses.

2. The permittee shall ensure that all waste analyses utilized for waste identification or verification have been performed in accordance with methods specified in the current editions of "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods", (SW-846), ASTM or other methods accepted by the TCEQ. The permittee shall have a QA/QC program that is consistent with EPA SW 846 and the TCEQ RCRA QAPP.

PERMIT SECTION V. - AUTHORIZED UNITS AND OPERATIONS

A. AUTHORIZED UNITS

1. The permittee is authorized to operate the facility units listed in "Attachment D" for storage and processing subject to the limitations herein. All waste management activities not otherwise exempted from permitting under 30 Texas Administrative Code (TAC) Section 335.2 shall be confined to the authorized facility units listed in "Attachment D". References hereinafter in this permit to "TCEQ Permit Unit No.__" shall be to the facility units listed in "Attachment D". All authorized units must be clearly identified as numbered in "Attachment D". These units must have signs indicating "TCEQ PERMIT UNIT NO. __ ".

[V.2.]

2. The permittee shall comply with 40 CFR 264.17, relating to general requirements for ignitable, reactive, or incompatible wastes.

3. The permittee shall prevent inundation of any permitted units and prevent any discharges of any waste or runoff of waste contaminated stormwater from permitted units. Additionally, each loading or unloading area, associated with a permitted hazardous or nonhazardous waste management unit, shall be provided with a drainage control system which will collect spills and precipitation in such a manner as to satisfy the following:

a. Preclude the release from the system of any collected spills, leaks or precipitation;

b. Minimize the amount of rainfall that is collected by the system; and

c. Prevent run-on into the system from other portions of the facility.

B. CONTAINER STORAGE AREAS

1. Container storage areas and their approved waste types are shown in Table V.B. - Container

Storage Areas. The permittee is authorized to operate the facility container storage areas for storage subject to the limitations contained herein.

2. Containers holding hazardous waste shall be managed in accordance with 40 CFR 264.171, Condition of containers; 40 CFR 264.172, Compatibility of waste with containers; and 40 CFR 264.173, Management of containers.

3. The permittee shall construct and maintain the containment systems for the container storage areas in accordance with the drawings and details included in the Part B Application in section Section V.B. At a minimum, the containment system must meet the requirements of 40 CFR 264.175.

   a. A minimum of 24 inches of aisle space shall be maintained between double rows of 55 gallon drums or between rows of pallets. A minimum of 24 inches of aisle space shall be maintained between all other storage containers. Storage containers shall be stacked no more than three high or to a height that would cause instability of the stack.

C. TANKS AND TANK SYSTEMS - (NOT APPLICABLE)

D. SURFACE IMPOUNDMENTS - (NOT APPLICABLE)

E. WASTE PILES - (NOT APPLICABLE)

[V.]
F. LAND TREATMENT UNITS - (NOT APPLICABLE)

G. LANDFILLS - (NOT APPLICABLE)

H. INCINERATORS - (NOT APPLICABLE)

I. BOILERS - (NOT APPLICABLE)

J. DRIP PADS - (NOT APPLICABLE)

K. MISCELLANEOUS UNITS

1. Miscellaneous units and their approved waste types are shown in Table V.K - Miscellaneous Units. The permittee is authorized to operate the miscellaneous units for processing subject to the limitations contained herein.

2. The units processing hazardous waste shall be managed in accordance with 40 CFR 264.601, Environmental performance standards; 40 CFR 264.602, Monitoring, analysis, inspection, response, reporting, and corrective action; as applicable 40 CFR 264.603, Post-closure care; and 40 CFR 265.382, Open burning, waste explosives.

3. The permittee shall construct and maintain the containment systems for the miscellaneous units in accordance with the drawings and details included in the Part B Application in Section V.K. At a minimum, the containment system must meet the requirements of 40 CFR 264.601.

4. No hazardous wastes, except those with the potential to detonate as described in 40 CFR §265.382, may be processed in the OB/OD units.

5. The following wastes may not be processed in the OB/OD units.

   a. The dioxin-containing wastes specified in 40 CFR 261.31 as EPA Hazardous Waste Nos. F020,F021, F022, F023, F026, F027, and F028;

   b. Polychlorinated biphenyls (PCBs) in concentration subject to the EPA regulation under its Subpart D regulations issued pursuant to the Toxic Substance Control Act (TSCA).

6. As soon as possible after a batch is processed, and when the unit may be safely approached, the Permittee shall collect all waste fragments which have been ejected during the OB/OD event. Said waste fragments shall be deposited in an authorized waste management unit.

7. The Permittee shall operate the units in compliance with all requirements relating to air quality in the Resource Conservation and Recovery Act (RCRA) and the rules promulgated thereunder and in 30 TAC 335, Subchapter F (relating to Permitting Standards for Owners and Operators of Hazardous Waste Storage, Processing, and Disposal Facilities), promulgated by the TCEQ pursuant to the Solid Waste Disposal Act, Chapter 361 of the Texas Health and Safety Code, (Vernon 1990).

PERMIT SECTION VI. - MONITORING

A Reserved

B. SOIL/SEDIMENT MONITORING PROGRAM

The permittee shall design and maintain a soil and sediment monitoring program to monitor area soil and sediment throughout the active life of the facility and any applicable post-closure care period. Soil and sediment monitoring at the facility shall at a minimum consist of sample collection, sample analysis, sample results evaluation, and reporting of sample results for soil and sediment in the area of the Burning Ground. The Soil and Sediment Monitoring Program shall yield soil and sediment samples from an interval of zero to two inches below the surface that represent the quality of soil and sediment in the area surrounding the RCRA Burning Ground Area.

1. Identification of Soil and Sediment Monitoring Program Area

   The program is specific to the RCRA Burning Ground Area as provided in Provision VI.B.3 and as authorized by Provision V.K. for which soil and sediment monitoring requirements apply pursuant to 30 TAC 335.152(a)(16).

2. Capabilities of the Soil and Sediment Monitoring Program

The program shall yield soil and sediment samples from an interval of zero to two inches below the surface that represent the quality of soil and sediment at the required sampling locations. This program shall be capable of detecting a release from the permitted units at the Burning Ground to the soil and sediment.

3. Soil and Sediment Monitoring Program

a. The permittee is required to implement a program subject to the limitations contained herein. The program shall, at a minimum, consist of three categories of locations, Upland Disturbed Soil, Landfill Covers, and Sediment, which will be used to establish soil quality for the RCRA Burning Ground Area. The permittee shall collect 25 randomly selected samples from the three locations as follows:

(1) Upland Disturbed Soil: 25 randomly selected samples per grid shown on Attachment E-Map Indicating Soil and Sediment Monitoring Locations.

(2) Landfill Covers: 25 randomly selected samples per grid shown on Attachment E-Map Indicating Soil and Sediment Monitoring Locations.

(3) Sediment: 25 randomly selected samples from the two playa lake sediment areas shown on Attachment E-Map Indicating Soil and Sediment Monitoring Locations.

The permittee will be allowed to combine the 25 randomly selected samples from the same grid/playa lake location into a single composite soil sample to be tested provided that the samples from each grid/playa lake location are maintained as a separate set from the other grids/playa lake locations, and that the samples are distributed fairly evenly across the grid/playa lake location.

b. The permittee shall determine soil and sediment quality from an interval zero to two inches below the surface throughout the active life of the facility and any applicable post-closure care period in accordance with the parameter list and sampling schedule specified in Provisions VI.D.2. and VI.E.2., respectively.

c. The design and operation of the authorized components of the Monitoring Program must be in accordance with this permit.

C. Reserved

D. MONITORING PROGRAM: OPERATION

1. Area Monitored by the Monitoring Program

The Monitoring Program shall be designed to monitor the soil and sediment in the RCRA Burning Ground Area and in the area surrounding the RCRA Burning Ground Area. The soil, as referenced in this section, refers to the native soil in the area of the Burning Ground and landfill covers. The sediment, as referenced in this section, refers to the sediment which lines Playa 3.

2. Monitoring Parameters and Compliance

a. The permittee shall monitor the soil and sediment in the Burning Ground Area as identified in Provision VI.B.3. and as shown on Attachment E. The composite samples will be evaluated based on the parameters listed in Table VI.D.2.b.- Monitoring Parameters. Sampling and analysis for the Monitoring Parameters of Tables VI.D.2.b. shall be conducted in accordance with the current version of analytical methods listed in the United States Environmental Protection Agency publication SW-846 Test Methods for Evaluating Solid Waste, Third Edition, November 1986, (U.S.EPA SW-846) and as listed in the July 8, 1987 edition of the Federal Register and later editions.

b. Background soil and sediment quality for a monitoring parameter or constituent shall be based on a sequence of at least sampling events, taken during three consecutive calendar quarters to assure, to the greatest extent technically feasible, that an independent sample is obtained. Each sampling event shall be conducted per grid/playa lake location in each of the three Categories of Location identified in Provision VI.B.3. Each sampling event will consist of a minimum of 30 randomly selected subsamples per grid/playa lake location. The permittee may be allowed to combine the 30 randomly selected samples from the same grid/playa lake location into a single composite sample to be tested provided that the samples from each grid/playa lake location are maintained as a separate set from the other grids/playa lake locations, and that the samples are distributed fairly evenly across the grid/playa lake location. The term background that is used for this monitoring program applies only to this monitoring program and does not affect any previously established background levels with regards to the compliance plan. The permittee shall determine the concentrations of the monitoring parameters listed in Table VI.D.2.b. for each composite sample.

[VI.D.2.]

c. Compliance with the Monitoring Parameters listed in Tables VI.D.2.b is defined by the results of the data evaluation of Provision VI.E.4. wherein the monitoring data for each grid/playa lake location does not exhibit evidence of contamination over background values. If any composite sample from a grid/playa lake location is determined to be noncompliant with Tables VI.D.2.b. at any time during the Monitoring Program, the permittee shall respond and report according to Provision VI.F.1.

3. Post-Closure Care Period (RESERVED)

4. Waste Management of Recovered Environmental Media

Recovered environmental media from a monitoring location shall be managed in accordance with applicable requirements of 30 TAC Chapter 335.

E. SAMPLING AND ANALYSIS

1. Sampling and Analysis

The permittee shall follow the methods set out in TCEQ's Surface Water Quality Monitoring Procedures Manual (December 2003, RG-415), EPA's Preparation of Soil Sampling Protocols: Sampling Techniques and Strategies (July 1992) or an alternate method approved in writing by the Executive Director to collect and preserve samples. The collected samples shall be managed (i.e., Chain of Custody and handling procedure), analyzed, and statistically evaluated (i.e., Quality Assurance/Quality Control (QA/QC)) in accordance with the current edition of U.S. EPA Publication SW-846, Test Methods for Evaluating Solid Waste and American Society for Testing and Materials (ASTM) Standard Test Methods or other equivalent methods accepted by the Executive Director.

a. All environmental media analyses required by this permit shall be performed using a QA/QC program where all information, data, and resulting decisions are technically sound, statistically valid, and properly documented. All QA/QC program details shall be put in writing and assignments made to qualified personnel. At a minimum, laboratory methods shall conform to the QA/QC program details described in the current edition of U.S. EPA Publication SW-846, Test Methods for Evaluating Solid Waste and American Society for Testing and Materials (ASTM) Standard Test Methods or other equivalent methods accepted by the Executive Director.

[VI.E.]

b. Environmental Media analyses required by this permit shall utilize laboratory methods which are capable of measuring concentrations equal to or less than established background values. Explosives shall be analyzed by the latest version of SW-846 Method 8330. Metals shall be analyzed by the latest version of SW-846 Method 6010/6020 (mercury may be analyzed by the latest version of SW-846 Method 7470).

2. Sampling and Analysis Frequencies and Parameters

a. Frequencies of sampling shall be monthly, quarterly, semiannually or yearly, depending on the sampling objective. These periods of time are defined below:

(1) "Month" shall be a calendar month;

(2) "Quarter" shall be based on divisions of the calendar year (i.e., January through March, April through June, July through September, October

through December);

(3) "Semiannual" shall be based on divisions of the calendar year (i.e., January through June, July through December) and consist of two consecutive quarters;

(4) "Annual" or "Year" shall be four consecutive quarters, beginning with the first quarter. Years shall be designated consecutively, beginning with the "first year", "second year", etc.; and,

(5) "Calendar year" shall be based on divisions of the calendar (i.e. January through December).

b. Sampling shall commence during the first complete quarter after issuance of this permit.

c. In the first and subsequent years of the Monitoring Program, the grid/playa lake sampling locations shall be sampled and the composite samples analyzed according to the schedule listed in Tables VI.D.2.b.

[VI.E.3.]

3. Statistical Procedures for Data Evaluation

a. For each composite sample from the grid/playa lake locations sampled during each sampling event, the permittee shall determine whether there is evidence of a Statistically Significant Increase (SSI) in the concentrations of each Monitoring Parameter of Tables VI.D.2.b. when compared to the background quality data. In determining whether or not an SSI has occurred for a Monitoring Parameter of Tables VI.D.2.b., the permittee shall establish if the background values have been exceeded by utilizing the statistical procedures and data evaluation described in Attachment H - Burning Ground Monitoring Statistical Procedure for Data Evaluations.

4. Data Evaluation

a. Data evaluations shall be completed within a time frame necessary to include all data required by Provision VI.H of this Section unless QA/QC procedures show that data is unacceptable and re-analysis or re-sampling must be performed. In such cases, the executive director will be notified as soon as it becomes apparent that the time limit to conduct data evaluation cannot be met.

b. Data evaluation shall determine whether there is evidence of an SSI for Monitoring Parameters listed in Tables VI.D.2.b. each time environmental media quality is determined at on-site sampling locations.

F. RESPONSE REQUIREMENTS FOR SSI

1. If the permittee has determined an SSI over background values for any of the Monitoring Parameters identified in Tables VI.D.2.b., in accordance with statistical procedures authorized by Provision VI.E.3. and specified by the permittee, the permittee shall perform the following actions:

a. The permittee may resample for the monitoring parameter that exhibited a concentration above background in the initial sample analysis. If the result of the resampling does not confirm a concentration above background, then the first sample result will not be considered an SSI. Re-sampling should be conducted within 30 days of the validation and verification of the initial sampling. Data evaluation, which includes validation, verification and compliance with objectives of the program shall be performed within ninety (90) days of sample collection.

[VI.F.1.]

b. Reserved

c. Upon determination of an SSI for a monitored parameter, the permittee shall evaluate the cause for the SSI and report the results to the Executive Director in the next report required by this Section. The permittee may demonstrate a source other than the RCRA-permitted unit caused the increase or that the increase resulted from error in sampling, analysis, or evaluation. If the SSI is determined not to be the result of operation of the active RCRA - permitted units, no additional sampling pursuant to this section is required. The report shall include the information required by Provision VI.H. The cause analysis will determine any changes in operation that are necessary or if a permit amendment or modification are necessary.

d. Reserved

e. Reserved

f. If the permittee or the Executive Director determines that active engagement of the units caused on or more SSIs requiring action under Provision VI.F.2, submit to the Executive Director, a plan to make changes in operation or an application for a permit or compliance plan amendment or modification to make any appropriate changes at the facility. The applications shall be submitted in accordance with Provision II.A.1.

g. Continue to monitor in accordance with the Monitoring Program at the facility.

[VI.F.]

2. If the confirmed results indicate that the SSI is above the facility's Risk Reduction Standard 3 values, the Permittee shall notify the Executive Director in writing within seven days of the confirmed results; and the results shall form the basis for any corrective action in accordance with Section IX.

3. Permit Attachment G is a flowchart illustrating the requirements of this subsection.

G. REVISED MONITORING PROGRAM

If the permittee or the Executive Director determines that the Monitoring Program no longer satisfies the requirements of 30 TAC 335.152(a)(16), the permittee must, within ninety (90) days of either the permittee's determination or Executive Director's notification, submit a permit amendment or modification request to make any appropriate changes to the Monitoring Program which will satisfy the regulations.

H. SEMI-ANNUAL MONITORING REPORTING REQUIREMENTS

The permittee shall submit an Annual Monitoring Report for the first four quarters of monitoring conducted after issuance of this permit and two Semi-Annual Monitoring Reports for the second four quarters. The Annual Monitoring Report that includes information obtained during the first four quarters (the calendar quarters during the year 2004) of sampling conducted after issuance of this permit shall be due to the TCEQ within 90 days of the end of the fourth sampling quarter. The Semi-annual Monitoring Reports that include information obtained during the second four quarters 9the calendar quarters during the year 2005) of sampling conducted after issuance of the is permit shall be due to the TCEQ on October 15th (for the first two calendar quarters) and April 15th (for the last two calendar quarters). Beginning with year 2006, Annual Monitoring Reports shall be due to the TCEQ on April 15th of the following year (i.e., the report for the monitoring conducted in the year 2006 is due on April 15, 2007, etc.)

If the permittee will not be able to have the report ready by the deadline due to additional data or information needed because of a possible SSI, the permittee shall notify the executive director in writing as soon as possible but before the deadline and give the reason for the delay and when the report will be ready. If the executive director determines an extension is needed, the executive director may grant the permittee an extension for the report.

The monitoring reports shall include the following information determined since the previously submitted report:

1. A statement whether an SSI has occurred over background values at any location during the previous reporting period and the status of any SSI events.

2. SSI parameter concentrations will be compared to risk based standards established by the Pantex Corrective Action Program pursuant to Corrective Active Provisions of the Pantex Groundwater Compliance Plan for soil and sediment. This comparison will provide a determination whether corrective measures at the Burning Ground, in addition to those ongoing or planned under the Pantex Corrective Action Program, are necessary.

3. The permittee shall include the results of all monitoring, testing, and analytical work obtained or prepared pursuant to the requirements of this section. The summary shall include a sample monitoring analyses (i.e. numeric results of sample analyses), and as applicable, statistical calculations, graphs and drawings.

4. A map which at a minimum will include all sampling locations, a scale, and the permitted Burning Ground units.

5. Recommendation for any changes.

6. Any other items requested by the Executive Director.

I. RECORD KEEPING REQUIREMENTS

1. The permittee shall enter all monitoring, testing, analytical, statistical test computation data in evaluating monitoring data, and inspection data obtained or prepared pursuant to the requirements of this permit, including graphs and drawings, in the operating record at the facility.

2. The operating record at the facility shall be made available for review by the staff of the Commission upon request.

PERMIT SECTION VII. - CLOSURE AND POST-CLOSURE REQUIREMENTS

A. FACILITY CLOSURE

1. The permittee shall follow the closure plan, developed in accordance with 40 CFR Part 264 Subpart G, and contained in the permit application submittals identified in Provision I.B. (Incorporated Application Material).

Additionally, facility closure shall also commence:

a. Upon direction of the TCEQ for violation of the permit, TCEQ Rules, or State Statutes; or

b. Upon suspension, cancellation, or revocation of the terms and conditions of this permit concerning the authorization to receive, store, process, or dispose of waste materials; or

c. Upon abandonment of the site.

[VII.A.]

2. Request for Permit Modification or Amendment

The permittee shall submit a written request for a permit modification or amendment to

authorize a change in the approved Closure Plan(s), in accordance with 40 CFR 264.112 (c). The written request shall include a copy of the amended Closure Plan(s) for approval by the Executive Director.

3. Time Frames for Modification\Amendment Request Submittal

The permittee shall submit a written request for a permit modification or amendment in accordance with the time frames in 40 CFR 264.112 (c)(3).

4. Closure Notice and Certification Requirements

a. The permittee shall notify the Executive Director, in writing, at least 60 days prior to the date on which he expects to begin partial or final closure of a surface impoundment, or landfill unit, or final closure of a facility with such a unit; or at least 45 days prior to the date on which he expects to begin partial or final closure of a facility with processing or storage tanks, container storage, or incinerator units; or at least 45 days prior to the date on which he expects to begin partial or final closure of a boiler or industrial furnace, whichever is earlier. A copy of the notice shall be submitted to the TCEQ Regional Office.

b. The permittee shall notify the TCEQ Regional Office at least ten (10) days prior to any closure sampling activity required by the permit in order to afford regional personnel the opportunity to observe these events and collect samples.

5. Unless the Executive Director approves an extension to the closure period, as per the requirements of 40 CFR 264.113(b), the permittee must complete partial and final closure activities within 180 days after receiving the final volume of hazardous wastes at the hazardous waste management unit or facility.

6. As per the requirements of 40 CFR 264.115, within 60 days of completion of closure of each permitted hazardous waste surface impoundment, or landfill unit, and within 60 days of the completion of final closure, the permittee shall submit to the Executive Director, by registered mail, with a copy to the TCEQ Regional Office, a certification that the hazardous waste management unit or facility, as applicable, has been closed in accordance with the specifications in the approved Closure Plan and this permit. The certification, which shall be signed by the permittee and by an independent professional engineer licensed in the State of Texas, must be in the form described in Provision II.A.6. A closure certification report shall be submitted with the required certifications which includes a summary of the activities conducted during closure and the results of all analyses performed. The certification report shall contain the information required by Provision II.A.6., and as applicable 30 TAC 350.32 (Texas Risk Reduction Program (TRRP) Remedy Standard A) or 30 TAC Section 350.33 (TRRP, Remedy Standard B) as document in Response Action Completion Report (RACR) (30 TAC Section 350.95), or 30 TAC 335, Subchapter S. After May 1, 2005, 30 TAC 335, Subchapter S may not be used except for the remaining closure activities associated with Permit Unit No. 1, the 11-7N Pad. Documentation

supporting the independent licensed professional engineer's certification shall be furnished to the Executive Director upon request.

7. Final closure is considered complete when all hazardous waste management units at the facility have been closed in accordance with all applicable closure requirements so that hazardous waste management activities under 40 CFR Part 264 and 265 are no longer conducted at the facility unless subject to the provisions in 40 CFR 262.34.

8. All units, sumps, pumps, piping and any other equipment or ancillary components which have come in contact with hazardous wastes shall either be decontaminated by removing all waste, waste residues, and sludges or be disposed of at an authorized off-site facility.

9. All contaminated equipment/structures and liners (i.e., debris) intended for land disposal shall be treated in a manner which meets or exceeds the treatment standards for hazardous debris contained in 40 CFR 268.45 or removed and managed at an authorized industrial solid waste management facility. All contaminated dikes and soils intended for land disposal shall be treated in a manner which meets or exceeds the treatment standards for hazardous soils contained in 40 CFR 268.49 or removed and managed at an authorized industrial solid waste management facility.

[VII.A.]

10. All hard-surfaced areas within the hazardous waste management unit areas shall be decontaminated and the wash water and/or waste generated treated and/or disposed of at an authorized off-site facility.

11. Verification of decontamination shall be performed by analyzing wash water, swipe samples, and/or appropriate sampling criteria including as necessary, soil samples for the hazardous constituents which have been in contact with the particular item being decontaminated. In addition, the permittee shall perform visual inspections of the equipment/structures for visible evidence of contamination.

12. Unless it can be demonstrated that soil contamination is unlikely to have occurred or unless soils are already part of a SWMU listed in the compliance plan as referenced in Provision IX.G., soils shall be sampled and analyzed. Sufficiently detailed analyses of samples representative of soils remaining in non-hard-surfaced areas of the storage and processing facility area shall be performed to verify removal or decontamination of all waste and waste residues.

13. Applicable confirmation samples shall be analyzed in accordance with the methods specified in the current editions of "Test Methods for the Evaluation of Solid Waste" (SW-846) or other methods which are officially recommended by the EPA.

14. Decontamination shall be deemed complete when no visible evidence of contamination is observed and when the results from verification sampling and analyses indicate that confirmation samples concentrations are below the applicable critical PCL for Remedy Standard A.

If the underlying soils are decontaminated or removed to the PCL for Remedy Standard A, Commercial/Industrial Land use, the permittee shall comply with the institutional controls requirements of 30 TAC Section 350.111 as required.

B. STORAGE, PROCESSING, AND COMBUSTION UNIT CLOSURE REQUIREMENTS

The permittee shall close the storage and processing units identified as TCEQ Permit Unit No(s). 01, 03, 12, 41, 42, 53, 55, 56, and 57 in accordance with the approved Closure Plan(s); 40 CFR Part 264, Subpart G; 40 CFR 264.178 (container storage);40 CFR 264.601 (miscellaneous units), and the Texas Risk Reduction Program of 30 TAC Chapter 350 or, as applicable, 30 TAC Chapter 335, Subchapter S, if closure is completed prior to May 1, 2005. In accordance with 30 TAC 350.2 (m)(3), the May 1, 2005, deadline will not apply to the remaining closure activities associated with Permit Unit No. 1, the 11-7N Pad, since the closure plan for this unit was implemented prior to the date of issuance of the permit renewal for Hazardous Waste Permit No. 50284; and the remaining closure activities for Permit Unit No. 1 will be completed when federal funding becomes available.

C MISCELLANEOUS UNIT CLOSURE REQUIREMENTS

The permittee shall close the miscellaneous units identified as TCEQ Permit Unit No(s). 21, 24, 25, 26, 27, 28, 29, 30, 31, 32, and 43 in accordance with the approved Closure Plans, 40 CFR Part 264, Subpart G, 40 CFR 264.601, 264.602, and 264.603 (miscellaneous units), the Texas Risk Reduction Program of 30 TAC Chapter 350 or, as applicable 30 TAC 335, Subchapter S, if closure is completed prior to May 1, 2005, and the following requirement.

1. Upon closure of the OB/OD units, any and all contamination in the soil and groundwater will be managed according to the requirements in Section IX.

PERMIT SECTION VIII. - LIABILITY REQUIREMENTS - Not Applicable

PERMIT SECTION IX. - CORRECTIVE ACTION FOR SOLID WASTE MANAGEMENT UNITS

A. NOTIFICATION OF RELEASE FROM SOLID WASTE MANAGEMENT UNIT
(Texas Health and Safety Code, Section 361.303)

If a solid waste management unit (SWMU) or area of contamination not previously addressed in the RCRA Facility Assessment (RFA) dated March 29, 1989, or any release of hazardous waste or hazardous constituents that may have occurred from any SWMU and/or AOC, is discovered subsequent to issuance of this permit, the permittee shall notify the Executive Director in writing within fifteen (15) days of the discovery. Further action shall comply with the requirements of the facility Compliance Plan.

[IX.]

B. CORRECTIVE ACTION OBLIGATIONS (REFER TO COMPLIANCE PLAN)

C. UNITS REQUIRING INVESTIGATION (REFER TO COMPLIANCE PLAN)

D. VARIANCE FROM INVESTIGATION (REFER TO COMPLIANCE PLAN)

E. RCRA FACILITY INVESTIGATION (RFI) (REFER TO COMPLIANCE PLAN)

F. RESPONSE ACTION PLAN (RAP) (REFER TO COMPLIANCE PLAN)

G. COMPLIANCE PLAN

The permittee shall follow the Compliance Plan, CP-50284, developed in accordance with 30 TAC 335.156 - 335.167. The Compliance Plan is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the compliance plan shall become provisions and conditions of this permit upon the date of approval by the Commission.

PERMIT SECTION X. - AIR EMISSION STANDARDS

A. GENERAL AIR QUALITY CONDITIONS

1. Facilities, as defined by the Texas Clean Air Act, shall be operated in accordance with and subject to the applicable provisions of the Texas Solid Waste Disposal Act and the Texas Clean Air Act (TCAA) as amended (Chapter 382 of the Texas health and Safety Code, (Vernon)) and all applicable Rules, Regulations and Orders of the TCEQ. This definition of facility from the Texas Clean Air Act shall apply for the purposes of Provision X.A of the permit.

2. Except as provided in 30 TAC 116.116(e), all representations with regard to construction plans and operating procedures in the permit application are conditions upon which this permit is issued. The Permittee shall not vary from such representations if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in an increase in the emission rate of any air contaminant, unless the Permittee first makes an application to the TCEQ to amend the permit and such amendment is approved pursuant to the requirements of 30 TAC Chapter 116.

3. Start of construction of facility units, modification of an existing facility unit, interruption of construction exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the TCEQ not later than ten working days after occurrence of the event.

4. The appropriate regional office of the TCEQ shall be notified prior to the initial start-up of new or modified facility units authorized by this permit and prior to any required monitoring

or sampling in such a manner that a representative of the TCEQ may be present at the time of the initial start-up, monitoring, or sampling.

[X.A]

5. Upon the written request of the executive director of the TCEQ, the Permittee shall conduct sampling and monitoring of air contaminants from a facility, as defined by the Texas Clean Air Act and which is covered by this permit. All calibration, sampling and testing procedures shall be approved by the executive director of the TCEQ and coordinated with the appropriate regional office representatives of the TCEQ.

6. If sampling is required, the Permittee shall contact the Quality Assurance Division of the TCEQ prior to sampling to obtain the proper data forms and procedures. The Permittee is responsible for providing sampling equipment and conducting sampling operations at the Permittee's expense.

7. The facilities covered by this permit shall not be operated unless all associated air pollution capture and abatement equipment is maintained in good working order and operated properly during normal facility operations.

8. This permit covers the sources of emissions listed in the attached table entitled, "Emission Sources - Maximum Allowable Emission Rates", which is hereby made a part of this permit as Attachment F.

9. A copy of this permit shall be kept at the Plant site and made available at the request of personnel from the TCEQ, or any local environmental pollution control program having jurisdiction under the TCAA.

10. The Permittee shall operate the facilities in compliance with the requirements of any applicable New Source Performance Standard (NSPS) and/or any applicable National Emissions Standard for Hazardous Air Pollutants (NESHAPS) promulgated by the U.S.E.P.A. pursuant to authority granted under the Federal Clean Air Act, Paragraphs 111 and 112, respectively, as amended.

11. On-site management of ash from the open burning shall not cause or contribute to a condition of "air pollution" as defined in §382.003 of the TEXAS HEALTH AND SAFETY CODE.

[X.]

B. UNIT OPERATIONS

1. Container Storage Areas

Containers with hazardous wastes which are stored in the container storage area(s) shall not be opened at any time except for the purpose of sampling, transferring, treating, or repackaging the waste. During such occurrences the top of the container shall be opened only for the minimum time necessary to extract a sample or transfer the waste. A maximum of four (4) containers containing carbon disulfide; a maximum of eight (8) containers containing trichlorofluoromethane; and a maximum of ten (10) containers containing

chlorofluorocarbons, carbon tetrachloride, ethylene dichloride, methylene chloride (dichloromethane), or ethyl ether may be opened per hour (hourly activity rate) in any container storage area listed in Table V.B. - Container Storage Areas. In addition, 45 containers of all other authorized waste may be opened per hour in each of any three container storage areas listed in Table V.B. - Container Storage Areas, or an accumulative total of 135 containers per hour of all other authorized waste may be opened in Buildings 16-16, T9-121, and T9-122.

2. Miscellaneous Units - RCRA Burning Ground Area

a. The amount of waste to be thermally processed shall be limited to 200 tons per year.

b. All outdoor burning or flashing will be conducted in the flashing chamber or on the metal trays or burn pans.

c. Burning or flashing shall not commence before one-half hour after published time of sunrise nor continue past one-half hour before the published time of sunset. This latter requirement shall be demonstrated by completion of the requirements in Provision X.B.2.f. Burns that emit more than 0.5 pounds of hydrogen fluoride in a three-hour period, are additionally restricted to between the hours of 11:00 and 18:00 (military time) daily. Burning shall not commence when the sustained wind speed is greater than 13 meters per second or during inclement weather that would contribute to hazards to personnel handling explosives or would prohibit a complete, successful burn or detonation.

d. Neither burning nor flashing shall be conducted during periods of actual or predicted persistent (12 hours or more) low level atmospheric temperature inversions (non-surface based) or in areas covered by a current National Weather Service Stagnation Advisory.

e. No more than 1500 pounds (total) of energetic material(s) shall be treated in any one hour period in any combination of units 21, 24-32, and 43. All maximum burn amounts per unit will be limited by written DOE directives and provisions of the permit.

[X.B.2.]

f. The permittee shall

1. Observe the burn.

2. Observe the products of the burn for minimum of 30 minutes after flame and/or smoke are last observed.

3. Inspect the unit after the minimum time referenced above and when safe to do so, to ensure complete combustion and the absence of fire and explosive hazards before leaving the Burning Ground.

g. Before every burn event and for each burn event, Pantex will determine:

1. The heat release rate for the burn from the heat of combustion of each explosive, the mass of each explosive to be burned, and the estimated burn time.

2. The calculated hourly emission rate using the methods described in Appendix X of the Part B permit application.

h. To determine if burns on one or more units (tray or pan) can be executed within the time period stated, Pantex will:

1. Calculate the maximum allowable emission rate for each unit based on the heat release expected from each unit from the appropriate curve.

2. Divide the actual expected emission rate for each unit by the allowable emission rate for each unit.

3. Determine the sum of the fractions calculated in Step 2 for all units. If the sum calculated is less than or equal to 1.0, the event may proceed. If the sum is greater than 1.0, an exceedance of the limit is predicted, and the composition of the burn must be adjusted such that the maximum allowable limit will not be exceeded.

i. Materials to be thermally processed consist of high explosives which include insensitive high explosives, plastic bonded explosives, explosive materials, pyrotechnic materials and devices and other materials contaminated with high explosives. Materials that may also be treated are explosives contaminated by or encased in materials such as foams, plastics and metals. The explosives identified in Appendix X of the application or explosives authorized by Provision X.B.2.k of the permit, or any combinations thereof, are authorized for open burning/open detonation at the Burning Ground units.

[X.B.2.]

j. The operating record of the Burning Ground units shall include, at a minimum for each open burning/open detonation event:

1. The date, time, unit name (as identified in Table V.K - Miscellaneous Units)

2. The weight, heat release rate, and composition of the energetic treated

3. The amount of auxiliary fuel introduced

4. The weight of any other material treated

5. The emission generated from the event based on the methodology described in this permit application.

These records shall be maintained in accordance with the Provisions III.B.7. and II.C.2.d. of this permit.

k. Other explosives not previously classified or identified in the application may be authorized for open burning/open detonation provided that the Permittee meets the following conditions:

1. The new energetic will be classified to the most appropriate of the following groups: inorganic, aromatic energetics (containing a benzene ring); heterocyclic energetics (containing alternating carbon-nitrogen bonds; e.g., RDX); aliphatic energetics (containing a branched straight chain carbon-backbone); or a mixture (containing two or more energetics from one or more of the classes).

2. The permittee will assign the highest (or greatest) relevant and appropriate emission factors within any classification to the proposed energetic, as identified in the application. The emission factors will be adjusted for the relative weight percentage of each class for those that combine two or more classifications. "Relevant and appropriate," in this context means that emission of a contaminant that may occur, based on process or analytical knowledge.

3. Emission factors for energetics may be modified from those developed under the above paragraph, when (1) emission factors for the energetic are published or obtained from a recognized, authoritative source, such as the U.S. Environmental Protection Agency or Department of Energy, or (2) thermodynamic modeling is conducted for the energetic based on the methodology described in Chapter 10 of Appendix X of the Part B application.

[X.B.2.k.]

4. Modeling results will be updated (using the baseline modeling contained in the "Air Quality Impact Analysis in Support of Permit Application Number HW-50284," dated June 1994) by Commission Modeling Division approved ratioing techniques.

5. Predicted off-property impacts are compared to the Effects Screening Level (ESL) from the ESL list in effect at the time the analysis is initiated under this provision. If the compound of concern does not have a published ESL at the time the analysis is initiated, the Commission will designate an appropriate level for this compound.

6. Information is submitted to the Commission documenting that the above analysis has been correctly completed. If the predicted off-property

impacts are less than the appropriate ESL or the appropriate level designated by the Commission, no further review shall be required by the Commission. If the predicted off-property impacts are greater than or equal to the appropriate ESL or the appropriate level designated by the Commission, approval of the executive director of the Commission shall be required before the energetic under consideration is thermally treated.

3. Miscellaneous Unit - Building 16-18

Containers of hazardous wastes staged and processed in this unit shall be limited to those containers or contents of containers that can be efficiently processed considering operational capacities of equipment utilized.

C. PROCESS VENTS AND EQUIPMENT LEAKS

1. Emissions from this facility must not cause or contribute to a condition of "air pollution" as defined in Section 382.003 of the Texas Health and Safety Code Ann. or violate Section 382.085 of the Texas Health and Safety Code Ann. If the Executive Director of the TCEQ determines that such a condition or violation occurs, the permittee shall implement additional abatement measures as necessary to control or prevent the condition or violation.

2. Requirements for Subparts AA and BB

a. The permittee must comply with the requirements of 30 TAC Section 335.152(a)(17)/40 CFR Part 264 Subpart AA and 30 TAC Section 335.152(a)(18)/40 CFR Part 264 Subpart BB, as applicable.

[X.C.2.]

b. The permittee shall include in the Biennial Report, required in Provision II.B.7., a statement that hazardous waste management units or associated ancillary equipment at this facility are not subject to any of the requirements in Provision X.C.2.a., if these requirements are not applicable to any hazardous waste management units or associated ancillary equipment at this facility. If at any time any hazardous waste management units or associated ancillary equipment become subject to the requirements in Provision X.C.2.a., the permittee must immediately comply with these requirements.

** c. Requirements for Subpart CC

The permittee must comply with the requirements of 40 CFR Part 264 Subpart CC, as applicable.

TABLE III.D. INSPECTION SCHEDULE

Facility Unit(s) and Basic Elements	***Possible Error, Malfunction, or Deterioration***	***Frequency of Inspection***
Building 4-50	Permitted Storage Facility inspection checklist, or equivalent forms, will be used to meet inspection requirements.	Weekly
Building 4-72	Permitted Storage Facility inspection checklist, or equivalent forms, will be used to meet inspection requirements.	Weekly
Building 16-16	Permitted Storage Facility inspection checklist, or equivalent forms, will be used to meet inspection requirements.	Weekly
Building T9-121	Permitted Storage Facility inspection checklist, or equivalent forms, will be used to meet inspection requirements.	Weekly
Building T9-122	Permitted Storage Facility inspection checklist, or equivalent forms, will be used to meet inspection requirements.	Weekly
Building 16-18	Permitted Treatment and Processing Facility inspection checklist, or equivalent forms, will be used to meet inspection requirements.	Weekly
Burning Ground : Permitted Units No. 21,24-32, & 43	Burning Ground Area inspection checklist, or equivalent forms, will be used to meet inspection requirements.	Weekly

Table III.E.3. EMERGENCY EQUIPMENT

Equipment	*Location*	*Physical Description*	*Capabilities*
Absorbent	Bldg 12-130/T9-059/16-8	Inorganic, approximately 8 bags	Spill Containment/Remediation
Absorbent/neutralizer	Bldg 12-130/T9-059/16-8	Solvent Type, 5 gallons, 1 each	Spill Containment/Remediation
Absorbent/neutralizer	Bldg 12-130/T9-059/16-8	Caustic Type, 5 gallons, 1 each	Spill Containment/Remediation
Absorbent/neutralizer	Bldg 12-130/T9-059/16-8	Acid Type, 5 gallons, 1 each	Spill Containment/Remediation
Absorbent Boom	Bldg 12-130/T9-059/16-8	Non-water absorbing, 1 box	Spill Containment/Remediation
Absorbent Socks	Bldg 12-130/T9-059/16-8	Acid/Caustic Type, 5 each	Spill Containment/Remediation
Absorbent Socks	Bldg 12-130/T9-059/16-8	Solvent Type, 5 each	Spill Containment/Remediation
Absorbent Pillows	Bldg 12-130/T9-059/16-8	Acid/Caustic Type, 5 each	Spill Containment/Remediation
Absorbent Pillows	Bldg 12-130/T9-059/16-8	Solvent Type, 5 each	Spill Containment/Remediation
Absorbent Pads	Bldg 12-130/T9-059/16-8	Acid/Caustic Type, 5 each	Spill Containment/Remediation
Absorbent Pads	Bldg 12-130/T9-059/16-8	Solvent Type, 5 each	Spill Containment/Remediation
Activated Charcoal	Bldg 12-130/T9-059/16-8	1 bag	Operational Support
Boot Covers	Bldg 12-130/T9-059/16-8	4H or equivalent, 10 pairs	Safety
Boots	Bldg 12-130/T9-059/16-8	Beta blend or equivalent, 10 pairs	Safety
Decontamination Pool	Bldg 12-130/T9-059/16-8	2 each	Operational Support
Decontamination System	Bldg 12-130/T9-059/16-8	EMS Disposable, PDS 5000 or equivalent, 1 each	Operational Support
Drum Lifter	Bldg 12-130/T9-059/16-8	1 each	Operational Support
Drum Transfer Pump	Bldg 12-130/T9-059/16-8	1 each	Operational Support

Table III.E.3. EMERGENCY EQUIPMENT

Equipment	*Location*	*Physical Description*	*Capabilities*
Drum Repair Kit	Bldg 12-130/T9-059/16-8	1 each	Spill Containment/Remediation
Ear Plugs	Bldg 12-130/T9-059/16-8	10 pairs	Safety
Emergency Kit "A"	Bldg 12-130/T9-059/16-8	Chlorine Institute type, 1 each	Spill Containment/Remediation
Floodlight	Bldg 12-130/T9-059/16-8	3 each	Operational Support
Generator	Bldg 12-130/T9-059/16-8	Power generator, 1	Operational Support
Gloves	Bldg 12-130/T9-059/16-8	4H or equivalent, 10 pairs	Safety
Gloves	Bldg 12-130/T9-059/16-8	Butyl rubber, 10 pairs	Safety
Gloves	Bldg 12-130/T9-059/16-8	Inner, Polyvinylchloride, 10 pairs	Safety
Gloves	Bldg 12-130/T9-059/16-8	Nitrile, 10 pairs	Safety
Gloves	Bldg 12-130/T9-059/16-8	Cryogenics, 10 pairs	Safety
Gloves	Bldg 12-130/T9-059/16-8	Neoprene coated, 10 pairs	Safety
Gloves	Bldg 12-130/T9-059/16-8	Cotton, 10 pairs	Safety
Gloves	Bldg 12-130/T9-059/16-8	Leather, work, 10 pairs	Safety
Ground Fault Circuit Interrupter	Bldg 12-130/T9-059/16-8	1 each	Operational Support
Hand Pump	Bldg 12-130/T9-059/16-8	1 each	Operational Support
Hard Hats	Bldg 12-130/T9-059/16-8	5 each	Safety
Mercury Spill Kit	Bldg 12-130/T9-059/16-8	1 each	Spill Containment/Remediation

Table III.E.3. EMERGENCY EQUIPMENT

Equipment	*Location*	*Physical Description*	*Capabilities*
Over-pack Containers	Bldg 12-130/T9-059/16-8	95 gallon /110 gallon, polyethylene or equivalent, 1 each	Spill Containment/Remediation
Pan	Bldg 12-130/T9-059/16-8	Spill, pillow type, universal type, 1 box	Spill Containment
Portable Phones	Bldg 12-130/T9-059/16-8	3 each	Operational Support
Protective Suit	Bldg 12-130/T9-059/16-8	Fully encapsulating Level A type, 6 each	Safety
Personal Protective Suit Tyvek	Bldg 12-130/T9-059/16-8	5 each, saranex laminated or equivalent	Safety
Personal Protective Suit Tyvek	Bldg 12-130/T9-059/16-8	5 each, polyethylene coated or equivalent	Safety
Protective Plastic (Visqueen)	Bldg 12-130/T9-059/16-8	1 roll	Spill Containment/Remediation
Safety Glasses	Bldg 12-130/T9-059/16-8	10 pairs	Safety
Tarp, Decontamination	Bldg 12-130/T9-059/16-8	2 each	Operational Support
Various Containers	Bldg 12-130/T9-059/16-8	various sizes and quantity of metal or plastic type	Spill Containment/Remediation
Air Hose	Bldg 12-130/16-8	1 each	Spill Containment/Remediation
Discharge Hose	Bldg 12-130/16-8	2 each	Spill Containment/Remediation
Pump	Bldg 12-130/16-8	Pneumatic drum vacuum with connectors, hoses and tools, 1 each	Spill Containment/Remediation
Suction Hose	Bldg 12-130/16-8	2 each	Spill Containment/Remediation
Trash Pump	Bldg 12-130/16-8	1 each	Spill Containment/Remediation

Table III.E.3. EMERGENCY EQUIPMENT

Equipment	*Location*	*Physical Description*	*Capabilities*
Drager Chip Measurement System or equivalent	Building 12-118	1 set/each	Detects different gases and vapors
Drager Tubes or equivalent	Building 12-118	1 set/each	Detects different gases and vapors
Gas and Vapor Detector	Building 12-118	2 each	Detects O_2, H_2S, CO, ozone, chlorine, ammonia, and LEL
Mercury Detector	Building 12-118	2 each	Detects mercury vapors
Photo-ionzation Detector	Building 12-118	1 each	Detects organic vapors
Flame-ionization Detector	Building 12-118	3 each	Detects organic vapors

Table IV.B Waste Managed in Permitted Units

Note: For each waste listed in Table IV.B, a parallel radioactive hazardous "Mixed" waste may exist.

No.	Waste	EPA Hazardous Waste Numbers	TCEQ Waste Form Codes and Classification
1.	Inorganic Solids - Waste consists of miscellaneous discards containing or contaminated with RCRA constituents (e.g., metals, flourescent tubes, flash lamps, unclassified weapon components, sanitized weapon components and glass).	D003, D004, D005, D006, D007, D008, D009, D010, D011, F001 thru F006, P001 thru P205, U001 thru U411	319 H
2.	Reactive Organic Solids - Waste consists of explosives and material contaminated with explosives.	D001, D003, D005, D006, D007, D008, D009, D010, D011, D018, D026, D030, D035, D040, F001, F002, F003, F004, F005, K044, K045	405 H
3.	Inactive		
4.	Reactive Organics - Waste consists of organic reactive sludge and other "wet" explosives generated from explosives manufacturing operations.	D003, K044, K045	605 H
5.	Inactive		
6.	Explosive Contaminated Waste - Waste consists of explosives and explosive contaminated, primarily inorganic, materials (e.g., drums, equipment, shipping boxes, metals, soil).	D003, D004, D005, D006, D007, D008, D009, D010, D011	319 H
7.	Dry Ash, Slag or Thermal Residue - Waste consists of residue from the flashing and burning of high explosives and high explosive contaminated materials.	D004 thru D043, F001 thru F005	304 H
8.	Inactive		
9.	Acidic Aqueous Solutions - Waste consists of acidic solutions contaminated with RCRA constituents.	D001 thru D002, D004 thru D043, F001 thru F005	105 H
10.	Solvent/Water Solutions - Waste consists of concentrated solvent-water solutions.	D001, D003 thru D043, F001 thru F006	201 H
11.	Inactive		

Table IV.B Waste Managed in Permitted Units

Note: For each waste listed in Table IV.B, a parallel radioactive hazardous "Mixed" waste may exist.

No.	Waste	EPA Hazardous Waste Numbers	TCEQ Waste Form Codes and Classification
12.	Inactive		
13.	Lab Packs - Waste consists of off-specification products, unused products, out of date products, small containers of spill residues, and used chemicals in small containers.	D001 thru D043, F001 thru F005, K044 thru K045, P001 thru P205, U001 thru U411	001 H 002 H
14.	Inactive		
15.	Inactive		
16.	Solvents - Waste consists of halogenated and non-halogenated solvents.	D001 thru D043, F001 thru F005, P001 thru P205, U001 thru U411	204 H
17.	Inactive		
18.	Inactive		
19.	Caustic Aqueous Solutions - Waste consists of caustic solutions contaminated with RCRA constituents.	D001 thru D002, D004 thru D043, F001 thru F006	106 H
20.	Aqueous Waste - Waste consists of wastewater, decon water, and other aqueous solutions generated from plant activities.	D004 thru D043, F001 thru F006, P001 thru P205, U001 thru U411	101 H 102 H
21.	Soil - Waste consists of contaminated soil generated from remediation and investigation activities, spill clean-up activities, environmental monitoring, maintenance, and construction.	D004 thru D043, F001 thru F006, P001 thru P205, U001 thru U411	301 H
22.	Metal Scale, Filings or Scrap - Waste consists of metal scale, filings or scrap containing or contaminated with RCRA metals.	D004, D005, D006, D007, D008, D009, D010, D011	307 H

Table IV.B Waste Managed in Permitted Units

Note: For each waste listed in Table IV.B, a parallel radioactive hazardous "Mixed" waste may exist.

No.	Waste	EPA Hazardous Waste Numbers	TCEQ Waste Form Codes and Classification
23.	Inactive		
24.	Paint Thinner, Petroleum Distillates, Paint Residues	D001, D004 thru D043, F001 thru F005	211 H
25.	Not Used		
26.	Organic Paint, Ink, Lacquer or Varnish - Waste consists of paint residues and thinners containing or contaminated with heavy metals and volatile organics.	D001, D004 thru D043, F001 thru F005	209 H
27.	Inactive		
28.	Inactive		
29.	Inactive		
30.	Batteries, Battery Parts, Casings and/or Cores - Waste consists of batteries used in various plant operations.	D002, D003, D006, D008, D009, D011	309 H
31.	Organic Solids - Waste consists of organic solids with some inorganic constituents (e.g., Kimwipes®, clothing, spill clean-up materials, filter paper, rags, shop towels, gaskets, film, plastics). Solids are contaminated with RCRA metals and/or solvents.	D001, D004 thru D043, F001 thru F006, P001 thru P205, U001 thru U411	407 H
32.	Inactive		
33.	Liquid Mercury Waste	D009, U151	117 H
34.	Inactive		
35.	Inactive		
36.	Inactive		
37.	Inactive		
38.	Organic Gases - Waste consists of compressed gas cylinders containing organic gases.	D001, D003-D043 P001 thru P205, U001 thru U411	801 H

Table IV.B Waste Managed in Permitted Units

Note: For each waste listed in Table IV.B, a parallel radioactive hazardous "Mixed" waste may exist.

No.	Waste	EPA Hazardous Waste Numbers	TCEQ Waste Form Codes and Classification
39.	Waste Oil - Waste consists of oil contaminated with RCRA constituents.	D001, D004 thru D043, F001 thru F005	206 H
40.	Inactive		
41.	Solid Filters or Sorbents - Waste consists of filters, Sorbent materials, oil filters etc. containing or contaminated with RCRA constituents.	D001, D004 thru D043, F001 thru F005, P001 thru P205, U001 thru U411	310 H
42.	Inactive		
43.	Inactive		
44.	Organic Liquids - Waste consists of organic liquid waste generated when product shelf-life expires or the product is no longer needed; and for consolidation of miscellaneous bulk solvents.	D001 thru D043, F001 thru F005, P001 thru P205, U001 thru U411	219 H
45.	Inactive		
46.	Inactive		
47.	Inactive		
48.	Inactive		
49.	Inactive		
50.	Inorganic Metal Salts and Chemicals - Waste consists of inorganic excess, discarded out-of-date, off-specification, used/depleted chemicals or products.	D001, D003, D004, D005, D006, D007, D008, D009, D010, D011, P001 thru P205, U001 thru U411	316 H 319 H
51.	Inorganic Sludge - Composed primarily of soil and water.	D002	519 H

Table IV.C Sampling and Analytical Methods

Note: For each waste listed in Table IV.C a parallel radioactive hazardous "Mixed" waste may exist.

Waste No.[1]	Sampling Location	Sampling Method[2]	Frequency	Parameter[3]	Test Method [4, 5, 6]	Desired Accuracy Level
1. 319 H	Point of Generation or Container	Manual Collection Methods, Trier or Auger	See WAP, Section 5.0	See Table IV.B, Column 3	1, 13 and/or 14	>/=90% Confidence Interval
2. 405 H	Point of Generation or Container	Manual Collection Methods or Trier	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 4, 8, 13 and/or 14	>/=90% Confidence Interval
3.		Inactive				
4. 605 H	Point of Generation or Container	Manual Collection Methods or Trier	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 4, 8, 13 and/or 14	>/=90% Confidence Interval
5.		Inactive				
6. 319 H	Point of Generation or Container	Manual Collection Methods	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 4, 13 and/or 14	>/=90% Confidence Interval
7. 304 H	Point of Generation or Container	Manual Collection Methods, Trier or Auger	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 4, 6, 13 and/or 14	>/=90% Confidence Interval
8.		Inactive				
9. 105 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 5, 8 and/or 13	>/=90% Confidence Interval

Table IV.C Sampling and Analytical Methods

Note: For each waste listed in Table IV.C a parallel radioactive hazardous "Mixed" waste may exist.

Waste No.[1]	Sampling Location	Sampling Method[2]	Frequency	Parameter[3]	Test Method [4, 5, 6]	Desired Accuracy Level
10. 201 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 4, 8 and/or 13	>/=90% Confidence Interval
11.		Inactive				
12.		Inactive				
13. 001 H	Point of Generation or Container	N/A	See WAP, Section 5.0	See Table IV.B, Column 3	Process Knowledge	>/=90% Confidence Interval
13. 002 H	Point of Generation or Container	N/A	See WAP, Section 5.0	See Table IV.B, Column 3	Process Knowledge	>/=90% Confidence Interval
14.		Inactive				
15.		Inactive				
16. 204 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 4, 8 and/or 13	>/=90% Confidence Interval
17.		Inactive				
18.		Inactive				

Table IV.C Sampling and Analytical Methods

Note: For each waste listed in Table IV.C a parallel radioactive hazardous "Mixed" waste may exist.

Waste No.[1]	Sampling Location	Sampling Method[2]	Frequency	Parameter[3]	Test Method [4, 5, 6]	Desired Accuracy Level
19. 106 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 5, 8 and/or 13	>/=90% Confidence Interval
20. 101 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 5, 8 and/or 13	>/=90% Confidence Interval
20. 102 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 5, 8 and/or 13	>/=90% Confidence Interval
21. 301 H	Point of Generation or Container	Manual Collection Methods, Trier or Auger	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 4, 13 and/or 14	>/=90% Confidence Interval
22. 307 H	Point of Generation or Container	Manual Collection Methods, Trier or Auger	See WAP, Section 5.0	See Table IV.B, Column 3	1, 13 and/or 14	>/=90% Confidence Interval
23.		Inactive				
24. 211 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 8 and/or 13	>/=90% Confidence Interval
25.		Inactive				

Table IV.C Sampling and Analytical Methods

Note: For each waste listed in Table IV.C a parallel radioactive hazardous "Mixed" waste may exist.

Waste No.[1]	Sampling Location	Sampling Method[2]	Frequency	Parameter[3]	Test Method [4, 5, 6]	Desired Accuracy Level
26. 209 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 8 and/or 13	>/=90% Confidence Interval
27.		Inactive				
28.		Inactive				
29.		Inactive				
30. 309 H	Point of Generation or Container	Manual Collection Methods	See WAP, Section 5.0	See Table IV.B, Column 3	1, 13 and/or 14	>/=90% Confidence Interval
31. 407 H	Point of Generation or Container	Manual Collection Methods, Trier or Auger	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 8, 13 and/or 14	>/=90% Confidence Interval
32.		Inactive				
33. 117 H	Point of Generation or Container	N/A	See WAP, Section 5.0	See Table IV.B, Column 3	Process Knowledge	>/=90% Confidence Interval
34.		Inactive				
35.		Inactive				
36.		Inactive				
37.		Inactive				

Table IV.C Sampling and Analytical Methods

Note: For each waste listed in Table IV.C a parallel radioactive hazardous "Mixed" waste may exist.

Waste No.[1]	Sampling Location	Sampling Method[2]	Frequency	Parameter[3]	Test Method [4, 5, 6]	Desired Accuracy Level
38. 801 H	Point of Generation or Container	N/A	See WAP, Section 5.0	See Table IV.B, Column 3	Process Knowledge	>/=90% Confidence Interval
39. 206 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 8, 10 and/or 13	>/=90% Confidence Interval
40.		Inactive				
41. 310 H	Point of Generation or Container	Manual Collection Methods or Trier	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 13 and 14	>/=90% Confidence Interval
42.		Inactive				
43.		Inactive				
44. 219 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Peristaltic Pump	See WAP, Section 5.0	See Table IV.B, Column 3	1, 2, 3, 4, 5, 8 and/or 13	>/=90% Confidence Interval
45.		Inactive				
46.		Inactive				
47.		Inactive				
48.		Inactive				
49.		Inactive				

Table IV.C Sampling and Analytical Methods

Note: For each waste listed in Table IV.C a parallel radioactive hazardous "Mixed" waste may exist.

Waste No.[1]	Sampling Location	Sampling Method[2]	Frequency	Parameter[3]	Test Method [4, 5, 6]	Desired Accuracy Level
50. 316 H	Point of Generation or Container	Manual Collection Methods, Trier or Auger	See WAP, Section 5.0	See Table IV.B, Column 3	1, 13 and/or 14	>/=90% Confidence Interval
50. 319 H	Point of Generation or Container	Manual Collection Methods, Trier or Auger	See WAP, Section 5.0	See Table IV.B, Column 3	1, 13 and/or 14	>/=90% Confidence Interval
51. 519 H	Point of Generation or Container	Manual Collection Methods, Coliwasa or Trier	See WAP, Section 5.0	See Table IV.B, Column 3	1, 5, 13 and/or 14	>/=90% Confidence Interval

1 From Table IV.B, First Column.

2 See Table 3.1 "Sampling Methodologies" to select appropriate sampling strategy.

3 Parameter selection is described in Section 3.1 of Appendix A.

4 Waste Analysis Methods

1 Metals: 6000/7000 series
2 Volatile Organics: 8000 series
3 Semivolatile Organics: 8000 series
4 High Explosives: 8000 series
5 pH-liquid: 9000 series
6 pH-solid: 9000 series
7 Total Petroleum Hydrocarbons: 8000 series
8 Ignitability: 1000 series
9 Reactivity(cyanides/sulfides): 9000 series
10 Polychlorinated Biphenyls: 8000 series
11 Pesticides: 8000 series
12 Asbestos: PLM (Polarizing Light Microscopy). Either National Institute of Occupational Safety and Health or EPA 600/M4-82-020 equivalent methods will be employed
13 40 CFR 61, Appendix B
14 1311 TCLP.

5 Equivalent methods may be substituted, in accordance with Provision II.B.1.b

6 Additional approved methods may be utilized as needed given analytical needs.

TABLE V.B CONTAINER STORAGE AREAS

No.	*Container Storage Area*	*N.O.R. Unit #*	*Rated Capacity*	*Dimensions*	*Containment Volume (including rainfall for unenclosed areas)*	*Unit will manage Ignitable,[1] Reactive,[1] or Incompatible[2] Waste (state all that apply)*
1	11-7N Pad, Partially closed 2/25/2005	3	32,675 gallons	55ft. X 90 ft.	116.4 gallons[3]	Not Applicable
03	Igloo 4-50	14	25,134 gallons	40 ft. x 27 ft.	116.4 gallons[3]	ignitable, reactive, incompatible
12	Building 16-16	17	1,369 cubic yards (435 cubic yards - free liquids)	133 ft. x 113 ft.	17,650 gallons total (3,530 gallons or 17.48 cubic yards for each sump)	ignitable, reactive, incompatible
53	Igloo 4-72	71	16,500 gallons	40 ft. x 27 ft.	116.4 gallons[3]	ignitable, reactive, incompatible
55	Building T9-121	153	4,400 gallons	42 ft. x 13 ft.	1,975 gallons	ignitable, reactive, incompatible
56	Building T9-122	154	4,400 gallons	42 ft. x 13 ft.	1,975 gallons	ignitable, reactive, incompatible

1 Containers managing ignitable or reactive waste must be located at least 15 meters (50 feet) from the facility's property line.

2 Incompatible waste must be separated from other waste or materials stored nearby in other containers, piles, open tanks, or surface impoundments by means of a dike, berm, wall, or other device.

3 Based on a 4.3 ft. x 4.3 ft. x 10 in. secondary containment pan which will hold 4 55-gallon drums, this containment volume will contain the required amount including rainfall for unenclosed areas (25 yr. 24 hr rain event of 5.2 inches used for calculation). This portable secondary containment pan, or equivalent type, which is capable of containing the volume of the largest container or 10% of all containers stored in each secondary containment pans, whichever is greater, will be utilized. Pans which cannot accommodate for the 25 yr. 24 hr. rain event will only be used in enclosed facilities.

Table V.K MISCELLANEOUS UNITS

No.	*Miscellaneous Unit*	*N.O.R. Unit #*	*Storage, Processing, and/or Disposal*	*Waste #s*[1]	*Rated Capacity (**)*	*Dimensions*	*Unit will manage Ignitable*[2]*, Reactive*[2]*, or Incompatible*[2] *Waste (state all that apply)*
57	Building 16-18 HWTPF	17	Processing	1, 9, 19, 20, 22, 31, 41, 48, 50[2]	800 cubic yards[3]	166 ft. x 80 ft.	ignitable, incompatible, (reactive[2])
21	Burn Pan No. 1	40	Processing	2, 4, 6	1500 pounds	12 ft. x 10 ft.	ignitable, reactive
24	High Explosive Burning Tray No. 1	43	Processing	2, 4, 6	1500 pounds	20 ft. x 6 ft.	ignitable, reactive
25	High Explosive Burning Tray No. 2	44	Processing	2, 4, 6	1500 pounds	20 ft. x 6 ft.	ignitable, reactive
26	High Explosive Burning Tray No. 3	45	Processing	2, 4, 6	1500 pounds	20 ft. x 6 ft.	ignitable, reactive
27	High Explosive Burning Tray No. 4	46	Processing	2, 4, 6	1500 pounds	20 ft. x 6 ft.	ignitable, reactive
28	High Explosive Burning Tray No. 5	47	Processing	2, 4, 6	1500 pounds	20 ft. x 6 ft.	ignitable, reactive
29	High Explosive Burning Tray No. 6	48	Processing	2, 4, 6	1500 pounds	20 ft. x 6 ft.	ignitable, reactive
30	Burn Pan No. 7	49	Processing	2, 4, 6	1500 pounds	12 ft. x 10 ft.	ignitable, reactive
31	High Explosive Burning Tray No. 8	50	Processing	2, 4, 6	1500 pounds	16 ft. x 4 ft.	ignitable, reactive
32	High Explosive Burning Tray No. 9	51	Processing	2, 4, 6	1500 pounds	20 ft. x 6 ft.	ignitable, reactive
43	Flashing Chamber No. 1	79	Processing	2, 4, 6	200 cubic yards	20 ft. x 12 ft.	ignitable, reactive

1 From Table IV.B, first column.

2 Repackaging, sorting, and sampling may occur on any waste stream; therefore, reactive waste may be managed in this unit. The hazardous waste numbers listed are the waste streams that may undergo the permitted treatment and processing.

3 Capacity for 16-18 is the volume that could be in-process based on secondary containment allowances. Capacities for Burning Ground units are based on throughput per burn event.

TABLE VI.D.2.b SOIL/SEDIMENT MONITORING PARAMETERS

Unit/Waste Management Area: Pantex Plant - RCRA Burning Ground Area

Parameter	*Sampling Frequency*	*Method Detection Limit*	*Comparison Value*[1]
Octahydro-1,3,5,7-tetranitro- 1, 3,5,7-tetreaazozine (HMX)	*Annual*	*1 mg/kg*	*Background*[2]
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	*Annual*	*1 mg/kg*	*Background*[2]
Pentaerythritol tetranitrate (PETN)	*Annual*	*5 mg/kg*	*Background*[2]
Trinitrotoluene (TNT)	*Annual*	*10 mg/kg*	*Background*[2]
2,4-dinitrotoluene (2,4-DNT)	*Annual*	*0.5 mg/kg*	*Background*[2]
2,6-dinitrotoluene (2,6-DNT)	*Annual*	*0.5 mg/kg*	*Background*[2]
Triaminonitrobenzene (TATB)	*Annual*	*3 mg/kg*	*Background*[2]
1,3,5-trinitrobenzene (TNB135)	*Annual*	*10 mg/kg*	*Background*[2]
Boron (B)	*Annual*	*50 mg/kg*	*Background*[2]
Cadmium (Cd)	*Annual*	*1 mg/kg*	*Background*[2]
Chromium (Cr)	*Annual*	*5 mg/kg*	*Background*[2]
Cobalt (Co)	*Annual*	*5 mg/kg*	*Background*[2]
Copper (Cu)	*Annual*	*5 mg/kg*	*Background*[2]
Lead (Pb)	*Annual*	*2 mg/kg*	*Background*[2]
Nickel (Ni)	*Annual*	*5 mg/kg*	*Background*[2]
Mercury (Hg)	*Annual*	*0.2 mg/kg*	*Background*[2]
Silver (Ag)	*Annual*	*1 mg/kg*	*Background*[2]
Zinc (Zn)	*Annual*	*5 mg/kg*	*Background*[2]

[1] The concentration limit is the basis for determining whether a release has occurred from the waste management unit/area.
[2] Background values are established separately for each grid/playa lake sampling location.

Site Legal Description

Description of U.S. DOE-Pantex Plant, Amarillo, Texas

A tract of land consisting of the south 437.20 acres of the M.F. Write Survey No. 7; all of Sections 32, 33, 34, 36, 37, 38, 49, 50, 51, 54 and 55, J.H. Gibson Survey, Block M-4; that portion of the Lyman Brewer Survey No. 6 ½ and portions of Sections 31, 39, 48 and 56, J.H. Gibson Survey, Block M-4 lying east of State Farm Highway No. 683 and north of the following described line: Beginning at a point on the east line of said Section 31, said point being 2,666.5' north of the SE corner thereof; thence S89° 14' W, 11,881.5'; thence S 51° 33' W, 1,985.3'; thence N 89°; thence N 0° 5' W, 7,000.0' along the west line of Sections 48 and 2,887.0'; thence S89° 23' W, 2,987.0' to a point on the east R.O.W. line of State Farm Highway No. 683. Those described contain 9,100 acres, more or less, of land, situated in Carson County, TX, and subject to all assessments or restrictions pertaining thereto.

Leased Land

See Tracts I, II and III

Texas Tech University Research Farm - Pantex Plant
Description: Tract No. 1

A 3,019.8969 acre tract of land situated north of the A.T.& S.F. R.R. and west of FM Hwy. 2373 in the western portion of Carson County, Texas, said tract being that portion of section 30 north of the A.T.& S.F. R.R.; approximately the south one-halves of Sections 31 and 30; those portions of Sections 40, 41 and 46 north of A.T.&S.F. R.R.; all of Section 47 and a portion of the south one-half of Section 48 all in block M4, J.H. Gibson Survey, Carson County, Texas, said tract is described by metes and bounds to-wit:

BEGINNING at a concrete R.O.W. monument in the west R.O.W. line of FM Hwy. 2373, whence the southeast corner of said Section 31 bears S 00°06' 53"E, 40.12 ft and N 89° 53'07"E, 59.22 ft.;

THENCE S 00°06'53"E, along said west R.O.W. line, 3091.06 ft. to a 3-1/4 inch aluminum cap stamped X 30944.429, Y 3456.180 marking the southeast corner of this tract, said point being the intersection of said west R.O.W. line of FM Hwy. 2373 and the northwesterly R.O.W. line of the A.T. & S.F.R.R.;

THENCE S 69°23'W, along said railroad R.O.W. LINE, 1519.64 ft. to a railroad R.O.W. monument (railroad rail set vertical);

THENCE N 20°37'W, 25.00 ft. to a similar railroad R.O.W. monument;

THENCE S 69°23'W, along said railroad R.O.W. line, 1232.00 ft to a similar railroad monument;

THENCE S 20°37'E, 20.00 ft. to a similar railroad R.O.W. monument;

THENCE S 69°23'W, along said railroad R.O.W. LINE, 3793.60 ft. to a ½ inch iron rod marking a point of intersection in said railroad R.O.W. line;

THENCE N 89°15'E, 14.71 ft. to a ½ inch iron rod marking a point of intersection in said railroad R.O.W. line;

THENCE S 69°23'W, along said railroad R.O.W. LINE, 6088.24 ft to a ½ inch iron rod marking a point of intersection in said railroad right-of-way line;

Thence S 20°37'E, 25.00 ft. to a ½ inch iron rod marking a point of intersection in said railroad R.O.W. line;

Thence S 69°23'W, along said railroad right-of-way line 4249.65 ft to a 3-1/4 inch aluminum cap stamped X 15164.294, Y-2507.131 marking the intersection of said railroad R.O.W. line and the west line of said Section 46;

THENCE N 00°17'35"W, along the west lines of said Sections 46, 47 and 48, 10,261.44 ft to a 3-1/4 inch aluminum cap, set at the base of a steel post, stamped X 15,111.806, Y 7754.177 marking the northwest corner of this tract;

THENCE S 89°36'22"E, along a fence line, 2446.55 ft. to a 3-1/4 inch aluminum cap, set at the base of a steel post, stamped X 17,558.301, Y 7737.354 marking a point of intersection in the north line of this tract;

THENCE N 51°20'46"E, along a fence line, 1984.96 ft. to a 3-1/4 inch aluminum cap, stamped X 19,108.421, Y 8977.191, set between 2 steel posts to replace a 1-inch iron pipe found in place marking a point of intersection in the north line of this tract;

THENCE N 89°00'42"E, along a fence line, 11,820.54 ft. to a 3-1/4 inch aluminum cap stamped X 30,927.200, Y 9181.060, set in the west R.O.W. line of FM Hwy. 2373 marking the northeast corner of this tract;

THENCE S 00°14'25"E, along said west R.O.W. line, 2633.84 ft to the place of beginning and containing 3,019.8969 acres of land more or less.

Texas Tech University Research Farm - Pantex Plant
Description: Tract No. 2

A 147.2148 acre tract of land situated in Section 56, Block M4, J.H. Gibson Survey, Carson County, Texas, described by metes and bounds to-wit:

BEGINNING at a 3-1/4 inch aluminum cap stamped X 15,091.644, Y 12,692.601 set in a fence line along the east line of said section 56, marking the southeast corner of this tract, whence a 3-1/4 inch aluminum cap stamped X 15,111.806, Y 7754.177, marking the northwest corner of Tract No. 1 (3,019.8969 acres) bears S 00° 14'02"E, 4038.48 ft.;

THENCE N 89°31'40"W, 4134.37 ft. to a 3-1/4 inch aluminum cap, stamped X 10,957.414, Y 12,726.675, set at the base of a steel post marking the southwest corner of this tract;

THENCE N 44°54'34"E, along a fence line, 2887.01 ft. to a 3-1/4 inch aluminum cap, stamped X 12,995.610, Y 14,771.323, set at the base of a steel post, marking the northwest corner of this tract;

THENCE S 89°31'40"E, along a fence line, 2087.69 ft. to a 3-1/4 inch aluminum cap, stamped X 15,083.229, Y 14,754.117, set at the base of a steel corner post, marking the northeast corner of this tract;

THENCE S 00°14'02"E, along a fence line and the east line of said Section 56, 2061.49 ft. to the place of beginning and containing 147.2148 acres of land more or less.

Description: Texas Tech Tract III - Excluding Texas Tech Property Manager Land, Pantex Railroad Right-of-Way and Texas Tech Killgore Beef Cattle Center

Part A (East of Pantex Railroad Right-of-Way)

A 1,321.271 acre tract of land situated in Sections 56, 57, 58 and 59, Block M-4, J.H. Gibson Survey, Carson County, Texas, and being more particularly described by metes and bounds, to-wit:

BEGINNING at a ½ inch iron rod marking the southeast corner of this tract, said iron rod located in the east line of said Section 59 and in the northeasterly right-of-way line of the Pantex railroad, being in a non-tangent curve to the right;

THENCE Northwesterly along said northeasterly railroad right-of-way line and along said curve to the right, whose center bears north 1°01' 51" east 915.10 feet, having a central angle of 60°38' 43", an arc distance of 968.60 feet to an aluminum disc set in concrete marking a point of tangency;

THENCE North 28°19' 26" West, along said northeasterly railroad right-of-way line, 8,926.85 feet to an aluminum disc set in concrete marking the beginning of a curve to the right;

THENCE Northwesterly, along said northeasterly railroad right-of-way line and along said curve to the right, whose center bears north 61°40' 34" east 1,382.40 feet, having a central angle of 28°18' 36", an arc distance of 683.05 feet to an aluminum disc set in concrete marking a point of tangency;

THENCE North 0°00' 50" West, along the easterly railroad right-of-way line, 4,605.81 feet to a ½ inch iron rod marking the beginning of a curve to the right;

THENCE Northerly, along said easterly railroad right-of-way line and along said curve to the right, whose center bears north 89°59' 10" east 904.93 feet, having a central angle of 14°26'53" an arc distance of 228.19 feet to a ½ inch iron rod marking a point of tangency;

THENCE North 14°26' 03" East, along said easterly railroad right-of-way line, 109.52 feet to a ½ inch iron rod marking the beginning of a curve to the left;

THENCE Northerly, along said easterly railroad right-of-way line and along said curve to the left, whose center bears north 75°33' 57" West 1,004.93 feet, having a central angle of 14°42'38", an arc distance of 258.01 feet to a ½ inch iron rod marking a point of tangency;

THENCE North 0°16' 35" West, along said easterly railroad right-of-way line, 53.81 feet to a ½ inch iron rod marking the beginning of a curve to the right;

THENCE Northeasterly, along said easterly railroad right-of-way line and along said curve to the right, whose center bears south 89°43'25" East 904.93 feet, having a central angle of 44°55'33", an arc distance of 709.56 feet to an aluminum disc set in concrete marking a point of tangency;

THENCE North 44°38' 58" East, along the southeasterly railroad right-of-way line, 398.57 feet to an aluminum disc set in concrete in the south boundary of the Pantex property marking the most northerly

northwest corner of this tract;

THENCE South 89°33' 38" East, along said south boundary of Pantex, 354.55 feet to an aluminum disc set in concrete marking a point in said south boundary of Pantex:

THENCE South 89°36' 38" East, along said south boundary of Pantex, 4,128.42 feet to an aluminum disc set in concrete marking an interior corner of said Pantex property and the northeast corner of this tract, said disc located in the east line of said Section 56;

THENCE South 0°18' 06" East, along the east line of said Sections 56, 57, 58 and 59, 15,134.56 feet to the southeast and BEGINNING corner of this tract, and CONTAINING an area of 1,321.271 acres of land, more or less.

Part B (West of Pantex Railroad Right-of-Way)

A 1,311.729 acre tract of land situated in Sections 56, 57, 58, 59 and 60, Block M-4, J.H. Gibson Survey, W.P. Snodgrass Survey, L. Brewer Survey 6 and L. Brewer Survey 6 ½, all located in Carson County, Texas, and being more particularly described by metes and bounds to-wit:

BEGINNING at a ½ inch iron rod with a red plastic cap stamped "Kelley-RPS-1583" (K-Cap) in the east right-of-way line of FM 683 and in the northerly right-of-way line of the A.T.& S.F. Railway;

THENCE North 0°04' 23" West, along said east FM 683 right-of-way line, 2,482.65 feet to a ½ inch iron rod with a yellow plastic cap stamped "Thomas RPS 2203" (T&I Cap) marking the southwest corner of an adjacent 6.139 acre tract of land (Killgore Beef Cattle Center and Bull Barn Shed area);

THENCE North 75°12' 09" East, along the southerly boundary of said 6.139 acre tract of land, 329.07 feet to a ½ inch iron rod with a T&I cap;

THENCE North 74°52' 34" East, along the southerly boundary of said 6.139 acre tract of land, 641.50 feet to a ½ inch iron rod with a T&I cap marking the southeast corner of said 6.139 acre tract of land;

THENCE North 15°07' 26" West, along the westerly boundary of said 6.139 acre tract of land, 217.40 feet to a ½ inch iron rod with a T&I Cap marking the northeast corner of said 6.139 acre tract of land;

THENCE South 82°58' 38" West, along the northerly boundary of said 6.139 acre tract of land, 575.34 feet to a ½ inch iron rod with a T&I cap.

THENCE South 89°55' 37" West, along the northerly boundary of said 6.139 acre tract of land, 310.19 feet to a ½ inch iron rod with a T&I Cap in said east FM 683 right-of-way line marking the northwest corner of said 6.139 acre tract of land.

THENCE North 0°04' 23" West, along said east FM 683 right-of-way line, 2,016.16 feet to a ½ inch iron rod with a K-Cap marking the most westerly southwest corner of an adjacent 4.092 acre tract of land (Texas Tech property manager land);

THENCE North 88°42' 46" East, along the southerly boundary of said 4.092 acre tract of land, 330.25 feet to a ½ inch iron rod with a K-Cap;

THENCE North 81°01' 48" East, along the southerly boundary of said 4.092 acre tract of land, 144.55 feet to a ½ inch iron rod with a K-Cap.

THENCE North 72°22' 01" East, along the southerly boundary of said 4.092 acre tract of land, 229.80 feet to a ½ inch iron rod with a K-Cap;

THENCE South 75°48' 31" East, along the southerly boundary of said 4.092 acre tract of land, 127.76 feet to a ½ inch iron rod with a K-Cap;

THENCE South 71°06' 32" East, along the southerly boundary of said 4.092 acre tract of land, 261.84 feet

to a ½ inch iron rod with a K-Cap;

THENCE North 12°50' 51" West, along the easterly boundary of said 4.092 acre tract of land, 270.94 feet to a ½ inch iron rod with a K-Cap;

THENCE South 89°01' 45" West, along the easterly boundary of said 4.092 acre tract of land, 46.78 feet to a ½ inch iron rod with a K-Cap;

THENCE North 68°29' 57" West, along the easterly boundary of said 4.092 acre tract of land, 94.58 feet to a ½ inch iron rod with a K-Cap;

THENCE North 24°43' 51" West, along the easterly boundary of said 4.092 acre tract of land, 90.96 feet to a ½ inch iron rod with a K-Cap;

THENCE North 8°06' 28" East, along the easterly boundary of said 4.092 acre tract of land, 161.63 feet to a ½ inch iron rod with a K-Cap;

THENCE North 67°19' 50" West, along the northerly boundary of said 4.092 acre tract of land, 247.72 feet to a ½ inch iron rod with a K-Cap;

THENCE South 6°29' 18" West, along the northerly boundary of said 4.092 acre tract of land, 305.04 feet to a ½ inch iron rod with a K-Cap;

THENCE South 25°09' 55" East, along the northerly boundary of said 4.092 acre tract of land, 203.96 feet to a ½ inch iron rod with a K-Cap;

THENCE South 72°44' 42" West, along the northerly boundary of said 4.092 acre tract of land, 222.15 feet to a ½ inch iron rod with a K-Cap;

THENCE South 80°33' 47" West, along the northerly boundary of said 4.092 acre tract of land, 139.06 feet to a ½ inch iron rod with a K-Cap;

THENCE South 89°04' 22" West, along the northerly boundary of said 4.092 acre tract of land, 127.71 feet to a ½ inch iron rod with a K-Cap in said east FM 683 right-of-way line marking the most westerly northwest corner of said 4.092 acre tract of land;

THENCE North 0°04' 23" West, along said east FM 683 right-of-way line, 12,896.17 feet to an aluminum disc set in concrete marking a corner of Pantex property and the northwest corner of this tract;

THENCE South 89°33' 38" East, along the south boundary of said Pantex property, 2,442.22 feet to an aluminum disc set in concrete in the northwesterly right-of-way line of the Pantex railroad;

THENCE South 44°38' 58" West, along said northwesterly railroad right-of-way line, 295.01 feet to an aluminum disc set in concrete marking the beginning of a curve to the left;

THENCE Southwesterly, along said northwesterly railroad right-of-way line and along said curve to the

left, whose center bears south 45°21' 02" east 1,323.24 feet, having a central angle of 44°39' 48", an arc distance of 1,031.50 feet to a ½ inch iron rod marking a point of tangency;

THENCE South 0°00' 50" East, along the westerly railroad right-of-way line, 5,031.66 feet to an aluminum disc set in concrete marking the beginning of a curve to the left;

THENCE Southwesterly, along the westerly railroad right-of-way line and along said curve to the left, whose center bears north 89°59' 10" east 1,482.40 feet, having a central angle of 28°18' 36", an arc distance of 732.46 feet to an aluminum disc set in concrete marking a point of tangency;

THENCE South 28°19' 26" East, along the westerly railroad right-of-way line, 8,756.66 feet to an aluminum disc set in concrete marking the beginning of a curve to the right;

THENCE Southwesterly, along the westerly railroad right-of-way line and along said curve to the right, whose center bears south 61°40' 34" west 791.03 feet, having a central angle of 97°43' 37", an arc distance of 1,349.23 feet to a ½ inch iron rod with a K-Cap in the northerly right-of-way of the A.T.&S.F. Railway;

THENCE North 20°35' 49" West, along the northerly A.T.&S.F. Railway right-of-way, 25.00 feet to a ½ inch iron rod with a K-Cap;

THENCE South 69°24' 11" West, along the northerly A.T.&S.F. Railway right-of-way, 1,692.64 feet to a ½ inch iron rod with a K-Cap;

THENCE North 20°35' 49" West, along the northerly A.T.&S.F. Railway right-of-way line, 50.00 feet to a ½ inch iron rod with a K-Cap;

THENCE South 69°24' 11" West, along the northerly A.T.&S.F. Railway right-of-way line, 150.00 feet to a ½ inch iron rod with a K-Cap;

THENCE South 20°35' 49" East, along the northerly A.T.&S.F. Railway right-of-way line, 50.00 feet to a ½ inch iron rod with a K-Cap;

THENCE South 69°24' 11" West, along the northerly A.T.&S.F. Railway right-of-way line, 1,157.09 feet to a ½ inch iron rod with a K-Cap;

THENCE South 20°35' 49" East, along the northerly A.T.&S.F. Railway right-of-way line, 25.00 feet to a ½ inch iron rod with a K-Cap;

THENCE South 69°24' 11" West, along the northerly A.T.&S.F. Railway right-of-way line, 835.63 feet to a ½ inch iron rod with a K-Cap;

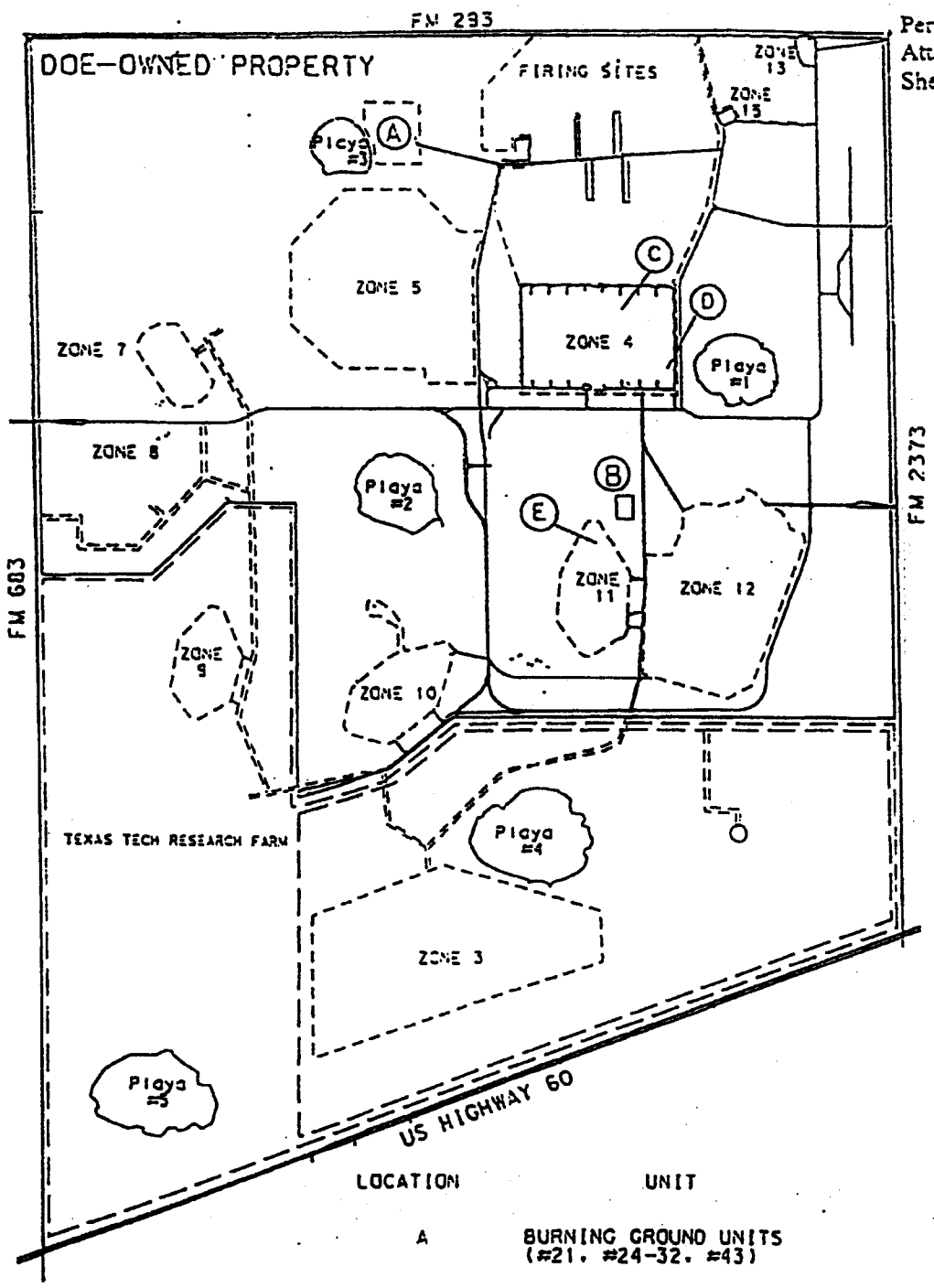
THENCE North 89°17' 11" East, along the northerly A.T.&S.F. Railway right-of-way line, 73.55 feet to a ½ inch iron rod with a K-Cap;

THENCE South 69°24' 11" West, along the northerly A.T.&S.F. Railway right-of-way line, 2,032.75 feet to a ½ inch iron rod with a K-Cap;

THENCE North 20°35' 49" West, along the northerly A.T.&S.F. Railway right-of-way line, 75.00 feet to a ½ inch iron rod with a K-Cap;

THENCE, South 69°24' 11" West, along the northerly A.T.&S.F. Railway right-of-way line, 320.18 feet to a ½ inch iron rod with a K-Cap in the east right-of-way line of FM 683, the BEGINNING corner of this tract, and CONTAINING an area of 1,311.729 acres of land, more or less.

Permit No. HW-50284-000
Attachment B
Sheet 1 of 1



LOCATION	UNIT
A	BURNING GROUND UNITS (#21, #24-32, #43)
B	BUILDINGS 16-16 (#12) T9-121 (#55) T9-122 (#56) 16-18 (#57)
C	IGLOO 4-50 (#3)
D	IGLOO 4-72 (#53)
E	11-7N PAD (#1), 11-7A PAD (#41) 11-7B PAD (#42).

Facility Map

LIST OF INCORPORATED APPLICATION MATERIALS

The following is a list of Part A and Part B Industrial and Hazardous Waste Application elements which are incorporated into all Industrial and Hazardous Waste permits by reference as per Provision I.B.

TNRCC PART A Application Form

I. General Information
- I.B. - Authorized Agents
- I.C. - Identify entity who will conduct facility operation.
- I.D. - Facility Ownership

III. Wastes and Waste Management
- III.C.1. - Location of Waste Management Units - Topographic Map extending one mile beyond facility.

TNRCC PART B Application Form

I. General Information
- I.A. - Applicant
- I.C. - Facility Location - Address
- I.F. - Wastewater and Stormwater Disposition

III. Facility Management
- III.B. - Personnel Training Plan
- III.C. - Security
- III.D. - Inspection Schedule
- III.E. - Contingency Plan
- III.E.1. - Arrangements with Local Authorities
- III.E.2. - Emergency Coordinators List
- III.E.3. - Emergency Equipment list

IV. Wastes and Waste Analysis
- IV.B. - Table IV.B. - Waste managed in permitted units
- IV.C. - Table IV.C. - Sampling and Analytical Methods
- IV.D. - Waste Analysis Plan

V. - Engineering Reports
- V.A.1. - General Information
- V.A.4. - Detailed Plans & Specifications to show facility will be constructed and operated in compliance with all pertinent permitting requirements.
- V.B. - Container Storage area engineering reports includes Table V.B. Container Storage Area Summary
- V.B.1. - Containment System
- V.B.2. - Wastes containing No Free Liquids
- V.K. - Miscellaneous Units - Design Report, includes Table V.K.1. - Miscellaneous Units Summary

V.K.1. - Other information necessary to meet TAC and CFR design requirements

VII. - Closure and Post-Closure Care Plans
VII.A. - Closure

IX. - Releases from Solid Waste Units & Corrective Action
IX.B.App. I - Facility and SWMU Location Maps

X. Air Emission Standards
X.A. - Process Vents and Equipment Leaks
X.B - Office of Air Quality Addendum

ATTACHMENT D REVISED
AUTHORIZED FACILITY UNITS

TCEQ Permit Unit No.	Unit Name	Unit Description	Capacity
1	11-7N Pad	Container Storage Unit, partially enclosed. Partial Closure Accepted 2/25/2005. No longer authorized to manage waste.	32,675 gallons
2	Igloo 4-19B	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	10,030 gallons
3	Igloo 4-50	Container Storage Unit, enclosed.	25,134 gallons
4	CONEX® Container No. WM1	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
5	CONEX® Container No. WM2	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
6	CONEX® Container No. WM3	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
7	CONEX® Container No. WM4	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
8	CONEX® Container No. WM5	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
9	CONEX® Container No. WM6	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
10	CONEX® Container No. WM7	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
11	CONEX® Container No. WM8	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
12	Building 16-16	Container Storage Unit, enclosed.	1,369 cubic yards (435 cubic yards -free liquids)
13	Building 16-17	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	1,369 cubic yards

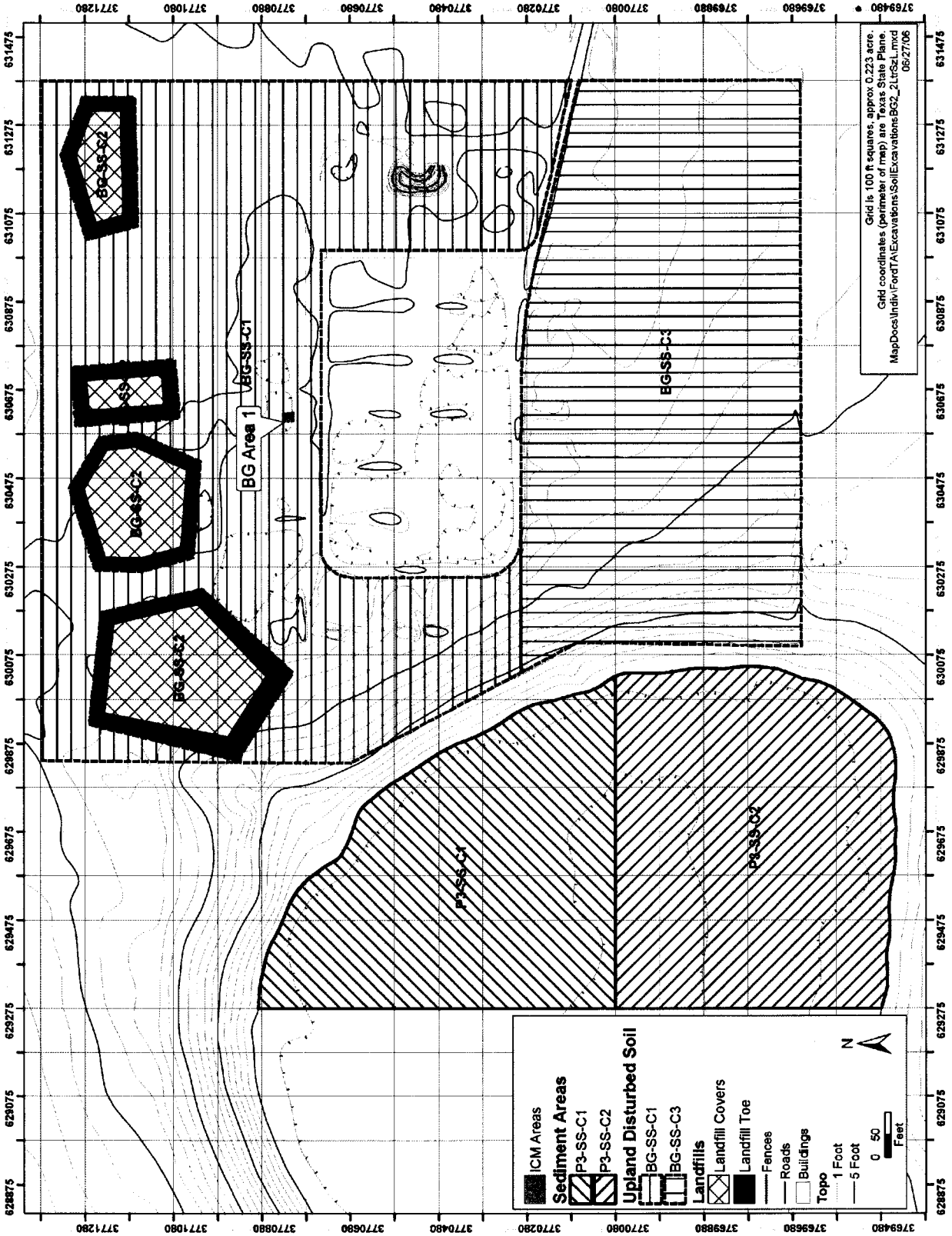
TCEQ Permit Unit No.	Unit Name	Unit Description	Capacity
14	Batchmaster in Building 12-68	Wastewater Treatment Unit, modular unit. Closed. No longer authorized to manage waste.	2,000 gallons per day
15	Wastewaster Treatment Gravity Separator inside Building 12-43	Tank, carbon steel, gravity filter with charcoal filter. Closed. No longer authorized to manage waste.	1,000 gallons
16	Volume Equalization Tank outside Building 12-43	Tank, carbon steel. Closed. No longer authorized to manage waste.	21,500 gallons
17	Wastewaster Treatment Gravity Separator inside Building 11-44	Tank, carbon steel, gravity filter with charcoal filter. Closed. No longer authorized to manage waste.	1,000 gallons
18	Volume Equalization Tank outside Building 11-44	Tank, carbon steel. Closed. No longer authorized to manage waste.	64,000 gallons
19	Burning Cage No. 1	Cage, carbon and stainless steel with clay floor. Built without secondary containment. Closed. No longer authorized to manage waste.	600 cubic yards
20	Burning Cage No. 2	Cage, carbon and stainless steel with clay floor. Built without secondary containment. Closed. No longer authorized to manage waste.	600 cubic yards
21	Burn Pan No. 1	Pan, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
22	Burn Pan No. 2	Pan, carbon steel, open, square. Built without secondary containment. Closed. No longer authorized to manage waste.	1,500 pounds
23	Burn Pan No. 3	Pan, carbon steel, open, square. Built without secondary containment. Closed. No longer authorized to manage waste.	1,500 pounds

TCEQ Permit Unit No.	Unit Name	Unit Description	Capacity
24	High Explosive Burning Tray No. 1	Tray, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
25	High Explosive Burning Tray No. 2	Tray, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
26	High Explosive Burning Tray No. 3	Tray, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
27	High Explosive Burning Tray No. 4	Tray, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
28	High Explosive Burning Tray No. 5	Tray, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
29	High Explosive Burning Tray No. 6	Tray, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
30	Burn Pan No. 7	Pan, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
31	High Explosive Burning Tray No. 8	Tray, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
32	High Explosive Burning Tray No. 9	Tray, carbon steel, covered when not in use. Built without secondary containment.	1,500 pounds
33	Flash Pit No. 1	Pit, earthen trench. Closed. No longer authorized to manage waste.	200 cubic yards per burn
34	Flash Pit No. 2	Pit, earthen trench. Closed. No longer authorized to manage waste.	200 cubic yards per burn

TCEQ Permit Unit No.	Unit Name	Unit Description	Capacity
35	Flash Pit No. 3	Pit, earthen trench. Closed. No longer authorized to manage waste.	200 cubic yards per burn
36	Tank inside Building 11-9	Tank, treatment. Closed. No longer authorized to manage waste.	200 gallons
37	Tank inside Building 11-9	Tank, treatment. Closed. No longer authorized to manage waste.	200 gallons
38	Tank inside Building 11-15A	Tank, treatment. Closed. No longer authorized to manage waste.	200 gallons
39	Tank inside Building 11-15A	Tank, treatment. Closed. No longer authorized to manage waste.	200 gallons
40	Building 11-9	Container Storage Area, enclosed. Closed 2/20/2002. No longer authorized to manage waste.	99,699 gallons
41	11-7A Pad	Container Storage Area. Closed 2/25/2005. No longer authorized to manage waste.	16,500 gallons
42	11-7B Pad	Container Storage Area. Closed 2/25/2005. No longer authorized to manage waste.	89,760 gallons
43	Flashing Chamber No. 1	Flash chamber. Built without secondary containment.	200 cubic yards per event
44	Flashing Pad No. 2	Flash pad. Built without secondary containment. Closed. No longer authorized to manage waste.	200 cubic yards per event
45	Flashing Pad No. 3	Flash pad. Built without secondary containment. Closed. No longer authorized to manage waste.	200 cubic yards per event
46	CONEX® Container No. WM1-A	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
47	CONEX® Container No. WM1-B	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
48	CONEX® Container No. WM3-A	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards

TCEQ Permit Unit No.	Unit Name	Unit Description	Capacity
49	CONEX® Container No. WM5-A	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
50	CONEX® Container No. WM5-B	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	94 cubic yards
51	Not used	Not used	
52	Igloo 4-46	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	16,500 gallons
53	Igloo 4-72	Container Storage Unit, enclosed.	16,500 gallons
54	Igloo 4-74	Container Storage Unit, enclosed. Closed. No longer authorized to manage waste.	16,500 gallons
55	Building T9-121	Container Storage Unit, enclosed.	4,400 gallons
56	Building T9-122	Container Storage Unit, enclosed.	4,400 gallons
57	Building 16-18 HWTPF	Treatment and Processing Facility, enclosed.	800 cubic yards

ATTACHMENT E
MAP INDICATING SOIL AND SEDIMENT MONITORING LOCATIONS


BG-SS-C2
SS
BG-SS-C1
BG-SS-C3
BG Area 1
BG-SS-C1
BG-SS-C3
P3-SS-C1
P3-SS-C2
Grid is 100 ft squares, approx 0.223 acre.
Grid coordinates (perimeter of map) are Texas State Plane.
MapDocs\Indiv\FordTA\Excavations\SoilExcavationsBG2_2LtrSzL.mxd
06/27/06
ICM Areas
Sediment Areas
P3-SS-C1
P3-SS-C2
Upland Disturbed Soil
BG-SS-C1
BG-SS-C3
Landfills
Landfill Covers
Landfill Toe
Fencee
Roads
Buildings
Topo
1 Foot
5 Foot
0 50
Feet
N

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit. The total emissions of air contaminants from any of the sources of emissions listed in this table shall not exceed the values stated in this table. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Emission Source Point No. (1)	Source Name (2)	Air Contaminant (3)	Max. Emission Rate (4) (TPY)	Subset Specified as HAPs (5) (TPY)
BGFUG1	Open Burning Ground	PM	3.2	1.0
		HCL	1.0	1.0
		CO	8.0	
		HF	1.8	1.8
		VOC	6.2	0.3
		NOx	5.0	
STRFUG1	Fugitives - Container Storage Areas	VOC	2.4	2.4
1618EPN1	Building 16-18 P1 (main operations area)	VOC	1.0	1.0
1618EPN2	Building 16-18 P2 (wastewater evaporator)	VOC	<0.1	<0.1

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) PM - Particulate Matter
HC1 - Hydrogen Chloride
CO - Carbon Monoxide
HF - Hydrogen Fluoride
VOC - Volatile Organic Compounds as defined in General Rule 101.1
NOx - Total Oxides of Nitrogen

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) HAP portions of air contaminant categories are included in the total number; they are not additive.

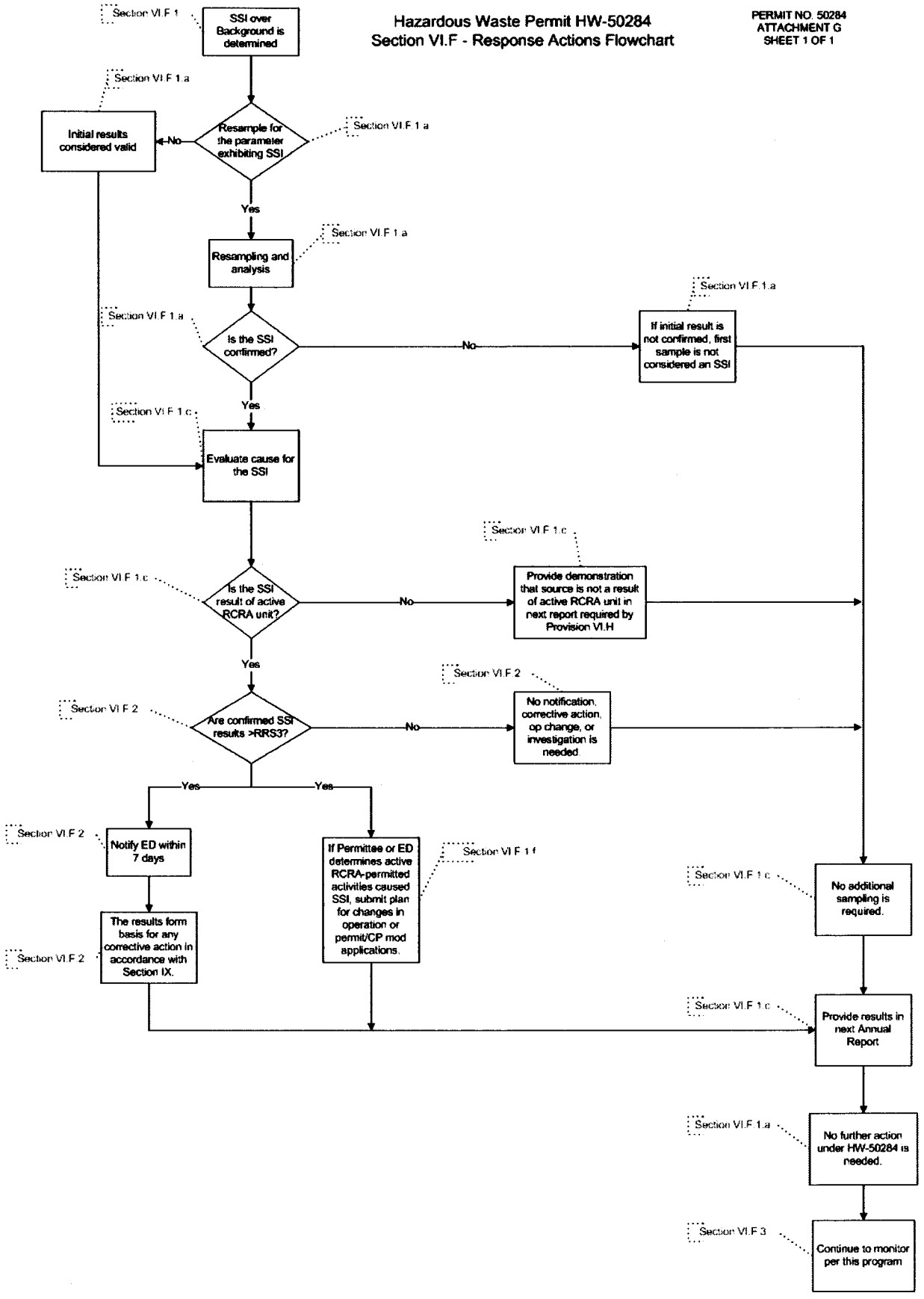
(6) Air contaminants not identified in this table may be emitted upto the rates identified in Tables TCEQ 1(a).

- Emission rates are based on, and the facilities are limited by, the following maximum operating schedule:

  Daylight burning with a maximum burn amount of 200 tons per year. The burning ground VOC limit is based upon 98% combustion efficiency.

Hazardous Waste Permit HW-50284
Section VI.F - Response Actions Flowchart

PERMIT NO. 50284
ATTACHMENT G
SHEET 1 OF 1



ATTACHMENT H

BURNING GROUND MONITORING STATISTICAL PROCEDURE FOR DATA EVALUATION

1. Statistical Procedure for Background Determination

If all of the analytical results of a data set are less than the method detection limit (MDL) provided in Table VI.D.2.b, the MDL of Table VI.D.2.b or the practical quantitation limit (PQL), whichever is greater, will be used as the background value.

If the analytical results of less than 50 percent (%) of the background samples for a particular constituent are greater than the MDL, background will be set at the highest detected value, the MDL or the PQL, whichever is greater.

If the analytical results of 50 percent (%) or more of the background samples for a particular constituent are greater than the MDL, background will be calculated using a 95 %($1 - \alpha = 0.95$) upper tolerance limit with 99.9 % coverage ($p = 0.999$ or p^{th} quantile of a distribution). The result of this calculation will represent the value that contains 99.9 % of the population (percent coverage) with a 95 % degree of confidence.

The Upper Tolerance Limit will be calculated using the following equation:

$$95\% \text{ Upper Tolerance Limit} = x + sK$$

Where: x = population mean
s = sample standard deviation
$K_{1-\alpha,p} = K$ (statistic table-value) at $1 - \alpha = 0.95$, $p = 0.999$, at n (n = number of samples) (Gilbert, 1987, Appendix A, Table A3).

2. Statistical Procedures for Data Evaluation to Determine if an SSI in Monitoring Parameter Concentration has Occurred

To determine that an SSI has occurred, compare the Monitored Parameter sample results tothe background quality data.