Hazardous Waste Permit No. 50410
EPA ID. No. TXR000083437
ISWR No. 90647

Texas Commission on Environmental Quality
Austin, Texas

Permit for Industrial Solid Waste Management Site issued under provisions of Texas Health and Safety Code ANN. Chapter 361 and Chapter 26 of the Texas Water Code

Name of Permittee:	Expal USA Inc. 690 North Ellis Hooks, Texas 75570
Site Owner:	TAC East Holdings Company No. 1 107 Chapel Lane New Boston, Texas 75570
Registered Agent for Service:	Steve Dart 433 E. Las Colinas Boulevard, Suite 900 Irving, Texas 75039
Classification of Site:	Hazardous and Nonhazardous Class 1 and Class 2 and Class 3 industrial solid waste on-site/off-site storage, and processing, commercial facility

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 wastes shall expire midnight, ten (10) years after the date of original permit approval.

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.

Issued Date: November 22, 2016

For the Commission

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Permit/Compliance Plan Acronyms

ACL – Alternate Concentration Limit
ALR – Action Leakage Rate
AMP – Attenuation Monitoring Point
AOC – Area(s) of Concern
APA – Affected Property Assessment
APAR – Affected Property Assessment Report
APOE – Alternate Point of Exposure
Appendix VIII – 40 CFR 261, Appendix VIII (Identification and Listing of Hazardous Waste - Hazardous Constituents)
ASTM – American Society for Testing and Materials
BGS – Below Ground Surface
BLRA – Baseline Risk Assessment
CAO – Corrective Action Observation
CAS – Corrective Action System
CCC – Coastal Coordination Council
CEMS – Continuous Emissions Monitoring System
CFR – Code of Federal Regulations
CMI – Corrective Measures Implementation
CMP – Texas Coastal Management Program
CMS – Corrective Measures Study
COC – Constituent(s) of Concern
EPA – United States Environmental Protection Agency
EPA SW-846 – Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, Third Edition, November 1986
GWPS – Groundwater Protection Standard
HSWA – Hazardous and Solid Waste Amendments of 1984
ICM – Interim Corrective Measures
LDR – Land Disposal Restrictions
MDL – Method Detection Limit
MQL – Method Quantitation Limit
MSL – Mean Sea Level
NAPL – Non-Aqueous Phase Liquid
NOR – Notice of Registration
PCB – Polychlorinated Biphenyl
PCL – Protective Concentration Level
PMZ – Plume Management Zone
POC – Point of Compliance
POE – Point of Exposure
ppm – Parts Per Million
ppmv – Parts Per Million by Volume
PQL – Practical Quantitation Limit
Psi – Pounds Per Square Inch
QA/QC – Quality Assurance/Quality Control
RACR – Response Action Completion Report
RAER – Response Action Effectiveness Report
RAP – Response Action Plan (for Action Leakage Rate in landfills)
RAP – Remedial Action Plan
RCRA – Resource Conservation and Recovery Act
RFA – RCRA Facility Assessment
RFI – RCRA Facility Investigation
RRR – TCEQ Risk Reduction Rules
RSA – Remedy Standard A

RSB – Remedy Standard B
SDC – Static Detonation Chamber(s)
SR/WM– Source Reduction and Waste Minimization
SSI – Statistically Significant Increase
SWDA – Solid Waste Disposal Act
SWMU – Solid Waste Management Unit(s)
TAC – Texas Administrative Code
TCEQ – Texas Commission on Environmental Quality
TCEQ QAPP– "Quality Assurance Project Plan for Environmental Monitoring and Measurement Activities Relating to the Resource Conservation and Recovery Act and Underground Injection Control"
THC – Total Hydrocarbons
TRRP – Texas Risk Reduction Program

I. Facility Description

A. Size and Location of Site

A permit is issued to Expal USA Inc. (hereafter called the permittee), to operate a hazardous waste processing, and storage facility located at 690 North Ellis, Hooks, in Bowie County, Texas, and within the drainage area of Segment 0302 in the Sulphur River Basin and within the drainage area of Segment 0201 in the Red River Basin (North Latitude 33° 27' 06", West Longitude 94° 15' 49"). The legal description of the facility submitted in Permit No. 50410 application dated July 29, 2015 and replaced with a submittal dated May 24, 2016 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 & Hazardous Waste Application submittals dated July 29, 2015 and replaced with a submittal dated May 24, 2016 and revised on August 24, 2016 and August 25, 2016, and the Application Elements listed in "Attachment C", which are hereby approved subject to the terms of this permit and any other orders of the Texas Commission on Environmental Quality (TCEQ). 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. 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 Permit Section I.B. 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

   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 the Resource Conservation and Recovery Act (RCRA) and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. [30 TAC Section 305.142]

3. Severability

   The provisions of this permit are severable. 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.

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.

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

   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 [30 TAC Section 305.144]:

   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 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:

      "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 TCEQ Permit No. 50410 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 Permit No. 50410."

   b. A certification report has been submitted, with the certification described in Provision II.A.6.a., 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 fifteen (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 Code of Federal Regulations (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.

9. Permit Reopener

This permit shall be subject to review by the Executive Director five (5) years from the date of permit issuance or reissuance and shall be modified as necessary to assure that the facility continues to comply with currently applicable requirements of the Solid Waste Disposal Act (SWDA) and the rules and regulations of the Commission. The permittee shall submit any information as may be reasonably required by the Executive Director to ascertain whether the facility continues to comply with currently applicable requirements of the SWDA and the rules and regulations of the Commission.

10. Texas Coastal Management Program

This facility is not located in an area affected by the Texas Coastal Management Program.

11. Monitoring of Commercial Hazardous Waste Management Facility Operations

Within the first year after Commission initial action on this permit and any subsequent amendment, modification, transfer, extension, or renewal of this permit, the permittee shall provide notice to affected persons of the intent to have an independent annual environmental audit of the facility performed. The notice shall be issued in accordance with the requirements of 30 TAC Section 305.147(1). If an affected party requests the audit, then the permittee must follow the requirements of 30 TAC Sections 305.147(2)-(6), and (8), for selecting an independent inspector, paying for the notice and audit, submission of a written report, and determining the scope of the inspection.

12. Failure to Submit Relevant Facts in Permit Application

    Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or any report to the Executive Director, the permittee shall promptly submit the correct information or facts to the Executive Director. [30 TAC Section 305.125(19)]

13. Hazardous Waste Combustion Facility Provision

    If the Executive Director determines that there is a significant change at the facility that poses a significant risk to public health or the environment, he will initiate a site specific risk assessment and may initiate an amendment to the permit to adjust limits based on that assessment. The permittee shall submit any information as may be reasonably required by the Executive Director to ascertain whether the facility continues to comply with currently applicable requirements of the SWDA and the rules and regulations of the Commission.

14. Waste Management Fee Assessment, Fee Payment, and Records and Reporting

    a. If applicable, the permittee is subject to the assessment of fees for hazardous wastes which are stored, processed, disposed, or otherwise managed and for Class 1 industrial wastes which are disposed at a commercial facility. [30 TAC Section 335.325]

    b. As applicable and except as provided in Provision II.A.14.c., the permittee shall pay waste management fees monthly. Monthly fee payments shall be due by the 25th day following the end of the month for which payment is due. [30 TAC Section 335.328(b)]

    c. If required, the permittee owes waste management fees in an amount less than $500 for a calendar month or less than $1,500 for a calendar quarter, the permittee may file a quarterly report and pay a quarterly fee. [30 TAC Section 335.328(c)]

    d. If required, the permittee shall document the basis for the assessment of any applicable waste management fees, including any adjustment to or exemption from assessment. [30 TAC Section 335.329(b)(4)]

    e. If required, the permittee shall submit a monthly report of on-site waste management activities subject to the assessment of waste management fees on forms furnished or approved by the Executive Director. This report shall be due by the 25th day following the end of the month (or quarter) for which a report is made. Monthly (or quarterly) reports shall be submitted, regardless of whether any storage, processing, or disposal was made during a particular month (or quarter), by preparing and submitting a summary indicating that no waste was managed during that month (or quarter). [30 TAC Section 335.329(b)(5)]

    f. As applicable, the permittee shall maintain the required records and reports in accordance with 30 TAC Sections 335.329(c) and (d).

15. Transfer of Ownership and/or Operational Control

    The transfer of ownership and/or operational control of this permit is subject to the transfer requirements of 30 TAC Section 305.64 and permit modification requirements of 30 TAC Section 305.69. The new owner and/or operator seeking a transfer of ownership and/or operational control of this permit shall submit a Class 1 permit modification (with prior written approval by the Executive Director) at least 90 days prior to the scheduled transfer in accordance with 30 TAC Section 305.69(b)(2). Prior to the Executive Director issuing the permit modification transferring the permit, the new owner or operator shall provide a fully executed

financial assurance mechanism satisfactory to the TCEQ Executive Director, for all existing units which have received waste and any corrective action required under this permit, in compliance with 30 TAC Chapter 37, Subchapter P. [30 TAC Section 305.64(g)]

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 Environmental Monitoring and Measurement Activities Relating to the Resource Conservation and Recovery Act and Underground Injection Control" (TCEQ QAPP).

b. 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 or an equivalent method approved in writing prior to use by the Executive Director of the TCEQ. Laboratory methods shall be the latest version specified in current edition of Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846 (EPA SW-846); Standard Methods for the Examination of Water and Wastewater; RCRA Groundwater Monitoring: Draft Technical Guidance, 1992, OSWER Directive 9950.1, or an equivalent method;, as specified in the Waste Analysis Plan, Section IV. of the Part B Application, and approved in writing prior to use by the Executive Director. [30 TAC Section 305.125(11)(A)]

c. The permittee shall retain in an 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 three (3) years from the date of the sample, measurement, report, record, certification, or application. [30 TAC Section 305.125(11)(B)]

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

(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.

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

Throughout the terms of the permit, the permittee shall keep records 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. [30 TAC Section 305.47]

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 twenty-four (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 (5) 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.

5. Twenty-Four Hour Reporting

The following shall be included as information which must be reported orally within twenty-four (24) hours pursuant to 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; and

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

The Executive Director may waive the five (5) day written notice requirement specified in Provision II.B.4.b. in favor of a written report submitted to the Commission within fifteen (15) days of the time the permittee becomes aware of the noncompliance or condition. [30 TAC Section 305.145(b)]

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 & Hazardous Waste Permits Section and an additional copy shall be submitted to the appropriate TCEQ Regional Office.

8. Pollution Prevention

   Facilities subject to 30 TAC Chapter 335, Subchapter Q - Pollution Prevention: Source Reduction and Waste Minimization must prepare a five (5) year Source Reduction and Waste Minimization Plan and submit a Source Reduction and Waste Minimization (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 January 25th 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 Detection Monitoring Report (RESERVED)

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 (15) days, the permittee must submit a report, describing the incident, to the Executive Director, as per the requirements of 30 TAC Section 335.12. 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 fifteen (15) days of receipt of unmanifested waste, as per the requirements of 30 TAC Section 335.15(3).

13. Monthly Summary

    The permittee shall prepare a monthly report, of all manifests received during the month, summarizing the quantity, character, transporter identity, and the method of storage, processing and disposal of each hazardous waste or Class 1 waste shipment received, itemized by manifest document number. This monthly summary report shall be submitted to the TCEQ Registration and Reporting Section on or before the 25th day of each month for waste received during the previous month. [30 TAC Section 335.15(2)]

C. Incorporated Regulatory Requirements

1. State Regulations

To the extent applicable to the activities authorized by this permit, the following TCEQ regulations are hereby made provisions and conditions of the permit.

a. 30 TAC Chapter 37, Subchapter P, Financial Assurance for Hazardous and Nonhazardous Industrial Solid Waste Facilities;

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

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

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

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

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

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

h. 30 TAC Chapter 335, Subchapter A, Industrial Solid Waste and Municipal Hazardous Waste in General;

i. 30 TAC Chapter 335, Subchapter B, Hazardous Waste Management General Provisions;

j. 30 TAC Section 335.152, Standards;

k. 30 TAC Sections 335.153 - 335.155 (regarding reporting of emergency situations and additional reports required);

l. 30 TAC Sections 335.175 - 335.176 (regarding special requirements for containers and bulk and containerized waste);

m. 30 TAC Sections 335.177 - 335.179 (regarding general performance standard, cost estimate for closure, and financial assurance);

n. 30 TAC Sections 335.325, 335.328 and 335.329 (regarding waste management fee assessment, fee payment, and records and reports);

o. 30 TAC Chapter 335, Subchapter Q, Pollution Prevention: Source Reduction and Waste Minimization; and

p. 30 TAC Chapter 350, Texas Risk Reduction Program.

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.

2. Federal Regulations

To the extent applicable to the activities authorized by this permit, the following provisions of 40 CFR Parts 264, 266 Subpart M, and Part 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. 40 CFR Parts 264 Subpart B -- General Facility Standards;
b. 40 CFR Parts 264 Subpart C -- Preparedness and Prevention;
c. 40 CFR Parts 264 Subpart D -- Contingency Plan and Emergency Procedures;
d. 40 CFR Parts 264 Subpart E -- Manifest System, Recordkeeping, and Reporting;
e. 40 CFR Parts 264 Subpart G -- Closure and Post-Closure;
f. 40 CFR Parts 264 Subpart H -- Financial Requirements;
g. 40 CFR Parts 264 Subpart I -- Use and Management of Containers;
h. 40 CFR Parts 264 Subpart X -- Miscellaneous Units;
i. 40 CFR Parts 264 Subpart EE -- Hazardous Waste Munitions and Explosives Storage;
j. 40 CFR Parts 266 Subpart M – Military Munitions;
k. 40 CFR Part 268 -- Land Disposal Restrictions (LDR); and
l. 40 CFR Part 63 Subpart EEE.

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 a twenty-four (24) hour surveillance system which continuously monitors and controls entry onto the processing area of the facility.
2. The permittee shall provide and maintain an artificial or natural barrier which completely surrounds the active storage igloos portion of the facility and shall have a means to control entry, at all times, through gates or other entrances to these same storage igloos portion of the facility.
3. 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 twenty-five (25) feet, and shall state “Danger - Unauthorized Personnel Keep Out”.

D. General Inspection Requirements

The permittee shall follow the inspection schedule contained in the permit application submittals identified in Section I.B. of this permit 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 Section I.B. of this permit. 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.
5. Preparedness and Prevention
   a. At a minimum, the permittee shall equip the facility as set forth in Table III.E.3. - Emergency Equipment contained in the permit application identified in Section I.B. of this permit, 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.
   e. The names, addresses, and phone numbers of all persons qualified to act as emergency coordinator in Table III.E.2 - Emergency Coordinators of the Part B

application shall be supplied to the Executive Director at the time of certification required by Provision II.A.6., rather than at the time of application. [40 CFR 264.52(d)]

F. Special Permit Conditions

The permittee shall comply with the standards in 40 CFR Part 264, Subpart EE, and Part 266, Subpart M, for management of military munitions at this facility.

IV. Wastes and Waste Analysis

A. Waste Analysis Plan

1. The permittee shall follow the Waste Analysis Plan, developed in accordance with 40 CFR 264.13 and the permit application identified in Section I.B. of this permit.
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 EPA SW-846, American Society for Testing and Materials (ASTM) or other methods accepted by the TCEQ. The permittee shall have a Quality Assurance/Quality Control (QA/QC) program that is consistent with EPA SW-846 and the TCEQ QAPP.

B. Authorized Wastes

1. The permittee is authorized to manage hazardous and non-hazardous industrial solid wastes listed in Table IV.B. - Wastes Managed in Permitted Units, subject to the limitations provided herein.

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

2. Hazardous and Non-hazardous Waste Received From Off-Site Sources

   When the permittee may receive hazardous or non-hazardous waste from an off-site source (except where the permittee is also the generator), the permittee shall inform the generator in writing that the permittee has the appropriate permits and will accept the waste the generator is shipping. The permittee shall keep a copy of this written notice as part of the operating record. [40 CFR 264.12(b)]

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

   a. PCB waste, as defined by the Environmental Protection Agency (EPA) in regulations issued pursuant to the Toxic Substances Control Act under 40 CFR Part 761, unless the permittee is compliant with the federal requirements for PCB storage as specified in 40 CFR Part 761;

   b. Radioactive materials/wastes unless the permittee is authorized to store and process these wastes in compliance with specific licensing and permitting requirements under Chapter 401 of the Texas Health and Safety Code. In accordance with 30 TAC Section 336.203, no person shall dispose of radioactive material unless that person has a license or an exemption from the Texas Commission on Environmental Quality (TCEQ) under Texas Health and Safety Code, Section 401.106(a);

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

   d. Ignitable compressed gases;

   e. Garbage as defined in 30 TAC Section 330.3(56);

   f. Municipal Solid Waste as defined in 30 TAC Section 330.3(88);

g. Putrescible Waste as defined in 30 TAC Section 330.3(119); or

h. Special Waste from Health-Care Related Facilities subject to 25 TAC Part 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 Sections 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; and

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 Section IV.A. of this permit, 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 EPA SW-846, American Society for Testing and Materials (ASTM) or other methods accepted by the TCEQ. The permittee shall have a Quality Assurance/Quality Control (QA/QC) program that is consistent with EPA SW-846 and the TCEQ QAPP.

V. Authorized Units and Operations

A. Authorized Units

1. The permittee is authorized to operate the permitted 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 TAC Section 335.2 shall be confined to the authorized facility units subject to permitting listed in "Attachment D". References hereinafter in this permit to "TCEQ Permit Unit No.___" shall be to the authorized permitted 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. ".

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.

4. The permittee shall construct, operate, and maintain the facility to prevent washout of any hazardous waste by a 100-year flood, as required by 40 CFR 264.18(b)(1).

B. Container Storage Areas

1. Container storage areas are shown in Table V.B. - Container Storage Areas. The permittee is authorized to operate the facility container storage areas for storage and processing 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 identified in Section I.B. At a minimum, the containment system must meet the requirements of 40 CFR 264.175.

C. Tanks and Tank Systems (RESERVED)

D. Surface Impoundments (RESERVED)

E. Waste Piles (RESERVED)

F. Land Treatment Units (RESERVED)

G. Landfills (RESERVED)

H. Incinerators (RESERVED)

I. Boilers/Industrial Furnaces (RESERVED)

J. Drip Pads (RESERVED)

K. Miscellaneous Units

1. Miscellaneous units and their approved waste types are shown in Table V.K.1 - Miscellaneous Units. The permittee is authorized to operate the miscellaneous units Permit Unit #1 (Cluster Munitions Disassembly Line); Permit Unit #2 (Medium Caliber Munitions Disassembly Line); Permit Unit #3 (Static Detonation Chamber MEA); and Permit Unit #4 (Static Detonation Chamber 1500) for processing subject to the limitations contained herein.

Disassembly Line, Permit Units #1 and #2

The disassembly lines, Permit Units #1 and #2, shall be operated in accordance with the information provided in the Part B Application, Section V. and Attachment V.K.1 and Attachment V.K.2., and the following requirements: [40 CFR 264.601],

a. Permit Units #1 and #2 shall only receive and process hazardous waste when at least one of the SDCs is operational. For the purpose of this provision, an SDC is considered operational if it is available to receive waste from Permit Units #1 or #2 at any time during the shift.

b. Reactive waste items processed within Permit Units #1 and #2 for treatment in the SDCs shall be fed to the SDCs during the same operating shift.

c. When both SDCs are on-line and operating, the combined total Net Explosive Weight (NEW) rate processed in Permit Units #1 and #2 may not exceed 128 kg/hr.

d. When only SDC 1500 is on-line and operating, the combined total NEW rate processed in Permit Units #1 and #2 may not exceed 100 kg/hr.

e. When only SDC MEA is on-line and operating, the combined total NEW rate processed in Permit Units #1 and #2 may not exceed 28 kg/hr.

Static Detonation Chambers MEA (Permit Unit #3) and 1500 (Permit Unit #4) [SDCs]

The SDCs are subject to the requirements established in 40 CFR Section 264.601, and applicable requirements of 40 CFR Part 63, Subpart EEE (as adopted in 30 TAC Section 113.620), and 40 CFR Part 264 Subpart O, and the following requirements:

2. Limitations on Wastes Burned (RESERVED)

3. Static Detonator Chambers Operating Conditions (RESERVED)

4. Trial Burn Requirements for SDCs

a. The permittee shall conduct the trial burn in accordance with the approved Trial Burn Plan, contained in the Part B permit application adopted by reference in this permit in Permit Section I.B.

b. If based upon the analytical results of the trial burn, the permittee determines that the SDCs failed one or more of the performance standards established in this permit pursuant to 30 TAC Section 305.127, the permittee shall notify the Executive Director within twenty-four (24) hours of the determination. The Executive Director of the TCEQ may respond to the notification with a directive to the permittee to cease feeding hazardous waste or to perform such other directive as may be necessary to ensure compliance with the above referenced regulations. The permittee may apply to the Executive Director of the TCEQ for a permit modification pursuant to 30 TAC Section 305.69 and for a new trial burn pursuant to 30 TAC Section 305.172.

c. If the certification and information required by 30 TAC Sections 305.172(7) and (8) are not submitted within ninety (90) days (or later date if approved by the Executive Director of the TCEQ) after the trial burn, the permittee shall cease processing hazardous waste in the SDCs.

d. At least sixty (60) days prior to commencement of the trial burn, the permittee shall provide a written notification to the Executive Director containing the scheduled commencement and completion dates for the trial burn.

5. Short-Term Operating Conditions for SDCs

a. Pursuant to 40 CFR 264.344(c)(1), the shakedown period beginning with initial introduction of hazardous waste to the SDCs and ending with the initiation of the trial burn shall not exceed 720 hours cumulative operating time while processing hazardous waste. During this period, any information obtained by the permittee concerning operating conditions that indicates that the operating conditions of Provision V.K.5.b. may not be adequate to ensure compliance with the performance standards in 40 CFR Sections 63.1219(b), (c), and (e) and 40 CFR Section 264.343(c) shall be submitted to the TCEQ before the initiation of the trial burn. The submittal shall be accompanied by a request to amend or modify the permit conditions in accordance with Provision II.A.1. such that compliance with the performance standards is assured.

The Executive Director may extend the duration of the shakedown period for up to 720 additional hours pursuant to an approved modification request under 30 TAC Section 305.69.

b. During the shakedown period, the trial burn period, and the period after completion of the initial trial burn and pending the amendment or modification of the permit to reflect the results of the trial burn, the permittee shall operate the SDCs within the following waste feed limitations and operating conditions while feeding hazardous waste to the unit(s):

(1) The maximum constituent feed rates shall be limited to those specified in Table V.K.5. - Miscellaneous Unit Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems - Short-term Operation – Static Detonation Chambers (SDCs) Units #3 and #4; [40 CFR 264.344(c)(1)-(3), 63.1209 and 63.1207(m)]

(2) The SDCs shall meet the operating conditions specified in Table V.K.5. – Miscellaneous Units Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems - Short-term Operation– Static Detonation Chambers (SDCs) Units #3 and #4; [40 CFR 264.344(c)(1)-(3), 63.1209, and 63.1207(m)]

(3) The permittee shall comply with the emission limits listed in Table V.K.4. - Maximum Allowable Emission Rates; and [40 CFR 63.1219(b) and (e) and 264.343(c) 30 TAC Section 305.127]

(4) The air pollution control equipment shall be operated in accordance with the conditions specified in Table V.K.5. – Miscellaneous Units Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems - Short-term Operation - SDCs Units #3 and #4 [40 CFR 264.344(c)(1)-(3)and 63.1209]

c. The permittee shall maintain and operate an automatic waste feed cutoff system which shall activate under the conditions listed in Table V.K.5. – Miscellaneous Units Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems - Short-term Operation – Static Detonation Chambers (SDCs) Units #3 and #4. [40 CFR 264.344(c)(1)-(3), 264.345(e), and 63.1206(c)(3)]

d. The permit modification or amendment in Provision V.K.5.a. shall be submitted to the Executive Director within 90 days of the completion of the trial burn.

6. Testing and Sampling Requirements for SDCs

a. The permittee may conduct additional shakedown and testing in accordance with a test plan or Trial Burn Plan approved by the Executive Director. The permittee may conduct 720 hours of additional shakedown prior to conducting the test. The results from the additional testing shall be used for the purpose of determining compliance with the performance standards pursuant to 40 CFR Sections 63.1219(b), (c), and (e) and 40 CFR Section 264.343(c) . After the approved testing is completed, the unit shall be operated in accordance with the operating conditions in effect prior to the commencement of the testing. The permittee may request a permit modification or amendment pursuant to 30 TAC Section 305.69 or Section 305.62 to incorporate the new operating conditions demonstrated by the trial burn results.

b. Every five (5) years after issuance of this permit or upon request of the Executive Director, sampling and analysis of the waste and exhaust emissions shall be conducted to verify compliance with the feed rate limits in Table V.K.3. - Maximum Constituent Feed Rates – Static Detonation Chambers (SDCs) Units #3 and #4 and the emission limits in Table V.K.4. - Maximum Allowable

Emission Rates – Static Detonation Chambers (SDCs) Units #3 and #4 and to ensure achievement of the performance standards required in this permit under normal operating conditions. Under normal operating conditions, each of the operating parameters specified in Table V.K.2. – Miscellaneous Unit Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems – Static Detonation Chambers (SDCs) Units #3 and #4 established pursuant to the subsequent approval of permit modification or amendments in Provision V.K.5.d. must be held within the range of the average value over the previous twelve (12) months and the maximum or minimum allowable limit, as appropriate. The average value is defined as either the mean of all values recorded over the previous twelve (12) months or the sum of the rolling average values recorded over the previous twelve (12) months divided by the number of rolling averages recorded during that time. The average value must not include calibration data, malfunction data, and data obtained when not processing hazardous waste. Conflicting parameters shall be identified in association with the targeted operating parameter ranges for the testing in the sampling plan. [40 CFR 264.347(a)(3)]

(1) The permittee shall submit an original and three copies of a stack test plan to the TCEQ Executive Director at least 180 days prior to sampling and analysis. At a minimum, the test plan shall include the following, prepared in accordance with EPA guidance:

(a) A sampling and analysis plan describing the parameters to be tested, monitored and/or analyzed; and

(b) A Quality Assurance Project Plan.

(2) At a minimum, the SDCs shall be tested for emissions of carbon monoxide, particulate matter, oxygen, other constituents listed in Table V.K.4. - Maximum

Allowable Emission Rates – Static Detonation Chambers (SDCs) Units #3 and #4, and other constituents, as requested by the Executive Director.

(3) The operating parameters listed in Table V.K.2. - Miscellaneous unit(s) Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems – Static Detonation Chambers (SDCs) Units #3 and #4 shall be monitored and recorded during the stack test.

(4) The Waste Section of the appropriate TCEQ regional office shall be contacted a minimum of sixty (60) days prior to sampling to schedule a pretest meeting.

(5) An original and three copies of the final sampling report shall be forwarded to the Executive Director within ninety (90) days after receipt of the sampling results. Three copies of the report may be submitted in an acceptable electronic format.

7. Monitoring, Testing and Inspection Requirements for SDCs

a. The permittee shall monitor and record the parameters listed in Tables V.K.2. - Miscellaneous Unit(s) Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems – Static Detonation Chambers (SDCs) Units #3 and #4 and V.K.5. – Miscellaneous Units Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems - Short-term Operation - Static Detonation Chambers (SDCs) Units #3 and #4 for new units.

All monitors shall record data in the units corresponding to the permit limits unless otherwise specified herein. Data compression techniques for recording will not be accepted. [40 CFR 264.347(c) and (d)]

b. Stack oxygen and carbon monoxide concentrations shall be measured using Continuous Emissions Monitoring Systems (CEMS). [40 CFR 264.347(a)(2) and 30 TAC Section 305.127]

(1) The oxygen and carbon monoxide CEMS shall meet the installation, performance and equipment specifications in 40 CFR Section 63.1209(a)(2).

(2) Oxygen concentration shall be quantified and reported as percent by volume (%) on a dry basis. Carbon monoxide concentrations shall be quantified and reported as parts per million by volume (ppmv), corrected to 7% by volume oxygen, on a dry basis.

c. The permittee shall properly calibrate, maintain, and operate all CEMS and establish a quality assurance program to evaluate and monitor the CEMS performance in accordance with 40 CFR Section 63.1209(a)(2). [30 TAC Section 305.127]

d. To verify operability, the waste feed cutoff system and associated alarms for the miscellaneous unit(s) must be tested at least weekly when hazardous waste is being processed. In addition, a complete inspection and function test shall be performed on all system alarms and emergency control devices at least annually. [40 CFR 264.347(c), 30 TAC Section 305.127]

(1) System testing will be accomplished by activating (i.e., closing) the waste feed cutoff valve and by checking all inputs, and their associated alarms, to the waste feed cutoff system. A check of every input to the waste feed cutoff system does not have to activate the waste feed cutoff. If the permittee maintains a “fail safe” valve (i.e., remains in the closed position in event of failure), only the control panel circuits and associated alarms need testing weekly. This may be accomplished using an electronic loop test for the components of the system, including sensors, which test the operability of the circuit without actually closing the “fail safe” valve.

(2) If the waste feed cutoff system “trips” (i.e., waste feed is cut off due to a process operations excursion from specified limits) during the weekly period prior to testing, the actual trip may be used to satisfy the requirement to test the waste feed cutoff valves and non-pumpable waste feed cutoff systems. However, the other components of the cutoff system still must be tested to ensure they are functioning properly.

e. The monitoring and inspection data collected in Provisions V.K.7.a. - d. shall be recorded and placed in the operating log as required by 40 CFR 264.347(d). In addition to the specific requirements of that paragraph, the permittee shall also record:

(1) All occasions when waste is being fed to the miscellaneous unit(s) and the operating limits specified in Provision V.K.2. are exceeded;

(2) All occasions when the waste feed is cut off by the automatic waste feed cutoff system, including the date, time, and cause of the incident that triggered the cutoff; and

(3) All occasions when waste is being fed and fugitive emissions from the miscellaneous unit(s) are detected.

f. During an automatic waste feed cutoff, the permittee shall continue to monitor the operating parameters for which permit limits are established. [40 CFR 264.347]

g. For each set of ten exceedances of an emission standard or operating limit, while hazardous waste remains in the combustion chamber during a thirty (30) day block period, the permittee must submit a written report within five (5) calendar days of the tenth exceedance documenting the exceedances and results of the investigation and corrective measures. The report shall include the reason for the cutoffs and actions taken by the permittee to address the problem. The Executive Director of the TCEQ shall take appropriate action based on the results of the report. [30 TAC Section 305.127]

h. Except for an instrument during its calibration period, the permittee shall continuously record all monitoring data as required in Table V.K.2. - Miscellaneous unit(s) Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems. Waste may continue to be fed to the miscellaneous unit(s) during CEMS calibration check periods not exceeding 20 minutes in duration. Each carbon monoxide and oxygen CEMS shall operate at a minimum of 90% uptime when waste is being fed, based on a twenty-four (24) hour period of operation.

L. Containment Buildings (RESERVED)

VI. Groundwater Detection Monitoring (RESERVED)

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 Permit Section I.B. of this permit.

   In addition, facility closure shall 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; or

   d. Upon direction of the TCEQ for failure to secure and maintain an adequate bond or other financial assurance as required by Provision VII.B.1.

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 sixty (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 forty-five (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 miscellaneous units; or at least forty-five (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 known volume of hazardous wastes at the hazardous waste management unit or facility.

6. As per the requirements of 40 CFR 264.115, within sixty (60) days of completion of closure of each permitted hazardous waste surface impoundment, or landfill unit, and within sixty (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 a Professional Engineer licensed in 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 30 TAC Section 350.32 (Texas Risk Reduction Program (TRRP) Remedy Standard A and 30 TAC Section 350.33 (TRRP, Remedy Standard B) and 30 TAC Section 350.95 (response Action Completion Report (RACR). Documentation supporting the licensed Professional Engineer's certification shall be furnished to the Executive Director upon request until the Executive Director releases the permittee from the financial assurance requirements for closure under 40 CFR 264.143(i).

7. For each disposal unit closed after permit issuance, the permittee shall submit documentation to demonstrate compliance with 40 CFR 264.116 (relating to survey plat) and 264.119 (relating to post-closure notices). Documentation to demonstrate compliance with survey plat requirements must be submitted to the TCEQ at the time of submission of the certification of closure. Documentation to show compliance with post-closure notices must be submitted to the TCEQ no later than sixty (60) days after certification of closure.

8. 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 Parts 264 and 265 are no longer conducted at the facility unless subject to the provisions in 40 CFR 262.34.

9. 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 in a manner authorized at this facility or disposed of at an authorized off-site facility.

10. 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.

11. All hard-surfaced areas within the hazardous waste management unit areas shall be decontaminated and the wash water generated treated and/or disposed in a manner authorized at this facility or at an authorized off-site facility.
12. Verification of decontamination shall be performed by analyzing wash water, and 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.
13. Unless it can be demonstrated that soil contamination has not occurred, 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.
14. Soil and/or wash water samples shall be analyzed using laboratory methods specified in Provision II.B.1.b. Equivalent or modified methods must be specified in the Closure Plan and have written approval of the Executive Director prior to use. All data submitted to the TCEQ shall be in a manner consistent with the latest version of the TCEQ QAPP.
15. Decontamination shall be deemed complete when no visible evidence of contamination is observed and when the results from verification sampling and analyses for wash water and soil meet the following criteria:
    a. Decontamination of hard-surfaced areas used for waste management (such as tank interiors, secondary containment structures, ancillary equipment, sumps, loading/unloading docks, etc.) shall be deemed complete when the concentration of each chemical of concern in the final rinsate sample(s) collected from the wash water is below TCEQ Texas Risk Reduction Program (TRRP), Remedy Standard A, Tier 1 Residential Class 1 Groundwater PCL; and
    b. Unless it can be demonstrated that soil contamination has not occurred, underlying soils shall be decontaminated or removed to the TRRP Remedy Standard A, Residential PCL, for no further action. 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. Financial Assurance for Closure

1. The permittee shall provide financial assurance for closure of all existing permitted units covered by this permit in an amount not less than $2,171,800 (2015 dollars) as shown on Table VII.E.1. - Permitted Unit Closure Cost Summary.

Financial assurance shall be secured and maintained in compliance with 30 TAC Chapter 37, Subchapter P; and 30 TAC Section 335.179. Financial assurance is subject to the following:

a. Adjustments to Financial Assurance Amount

(1) At least sixty (60) days prior to acceptance of waste in proposed permitted units listed in Table VII.E.1. - Permitted Unit Closure Cost Summary, the permittee shall increase the amount of financial assurance required for closure by the amounts listed in Table VII.E.1. and shall submit additional financial assurance documentation

(2) The amount of financial assurance for closure of existing units, may be reduced by the amount listed in Table VII.E.1. - Permitted Unit Closure Cost Summary, upon certification of closure of an existing permitted unit, in accordance with Provisions VII.A.4. and VII.A.6., and upon written approval of the Executive Director.

b. Annual Inflation Adjustments

Financial assurance for closure, including any adjustments after permit issuance, shall be corrected for inflation according to the methods described by 30 TAC Sections 37.131 and 37.141.

2. The permittee shall submit to the Executive Director, upon request, such information as may be required to determine the adequacy of the financial assurance.

C. Storage and Processing Closure Requirements

The permittee shall close the storage and processing unit(s) identified as TCEQ Permit proposed Unit Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 in accordance with the approved Closure Plans, 40 CFR Part 264, Subpart G, 40 CFR 264.178 (container storage), 264.351 (incinerators) based on 264.601 (miscellaneous units), the Texas Risk Reduction Program of 3 TAC Chapter 350 and the following requirements.

D. Surface Impoundment Closure Requirements (RESERVED)

E. Landfill Closure and Certification Requirements (RESERVED)

F. Containment Buildings Closure Requirements (RESERVED)

G. Facility Post-Closure Care Requirements (RESERVED)

H. Financial Assurance for Post-Closure (RESERVED)

VIII. Liability Requirements

A. Sudden and Nonsudden Accidental Occurrences

The permittee shall demonstrate continuous compliance with the requirements of 30 TAC Chapter 37 Subchapter P and 30 TAC Section 335.152(a)(6) to maintain liability coverage for sudden and accidental occurrences of at least $1 million per occurrence, with an annual aggregate of at least $2 million, exclusive of legal defense costs.

B. Incapacity of Owners or Operators, Guarantors, or Financial Institutions

The permittee shall comply with 30 TAC Section 37.71, regarding bankruptcy, whenever necessary.

IX. Corrective Action for Solid Waste Management Units

A. Notification of Release from Solid Waste Management Unit

If a solid waste management unit (SWMU) or area of contamination not previously addressed in the RCRA Facility Assessment (RFA) dated January 30, 1989, Section IX of the Part B Permit Renewal Application No. 50292, or any release of hazardous waste or hazardous constituents that may have occurred from any SWMU and/or Area of Concern (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. Within forty-five (45) days of such discovery, the permittee shall submit an RFA for that unit or release which shall be based on EPA's RCRA Facility Assessment Guidance, October 1986, NTIS PB 87-107769. If the RFA indicates a release or suspected release warrants further investigation, the permittee shall comply with the requirements of Permit Section IX.B. of this permit.

B. Corrective Action Obligations

The permittee shall conduct corrective action as necessary to protect human health and the environment for all releases of hazardous waste, hazardous constituents listed in Appendix VIII and/or 40 CFR Part 264, Appendix IX and/or other COCs from any SWMU and/or AOC according to 30 TAC Section 335.167. Corrective action shall consist of an Affected Property Assessment (APA), determination of protective concentration levels, selection of a remedy standard (if necessary), development and implementation of a response action (if necessary), and submittal of required reports according to 30 TAC Chapter 350.

In the case of SWMUs and/or AOCs that have been grandfathered under 30 TAC Chapter 335, Subchapters A and S, Risk Reduction Standards (RRS), corrective action shall consist of the RCRA Facility Investigation (RFI) and if necessary, Interim Corrective Measures (ICM), Baseline Risk Assessment (BLRA), Corrective Measures Study (CMS) and Corrective Measures Implementation (CMI). For grandfathered SWMUs and/or AOCs, the permittee may continue to complete the corrective action requirements under 30 TAC Chapter 335, Subchapters A and S, provided the permittee complies with the notification and schedule requirements pursuant to 30 TAC Sections 335.8 and 350.2(m). If on the basis of the RFI/APA, it is determined that COCs have been or are being released into the environment, the permittee may be required to conduct necessary ICMs and/or corrective actions.

Upon Executive Director's review of the Corrective Action Program obligations, the permittee may be required to perform any or all of the following:

1. Conduct investigation(s);
2. Provide additional information;
3. Conduct additional investigation(s);
4. Investigate an additional unit(s);
5. Proceed to the next task in the Corrective Action Program; and/or
6. Submit an application for a new compliance plan to implement corrective measures.

Any additional requirements must be completed within the time frame(s) specified by the Executive Director.

C. Units Requiring Investigation

1. The permittee shall conduct an RFI for the following SWMU(s) and/or area(s) of contamination in accordance with Permit Section IX.E.:

   There are no known newly identified units requiring an RFI at this facility at the issuance of this permit.

2. All previously identified SWMUs, AOCs, and/or FOA under Permit No. 50292 at the issuance date of Permit No. 50410 remain subject to the requirements in Permit Section IX - CORRECTIVE ACTION FOR SOLID WASTE MANAGEMENT UNITS of Permit No. 50292.

D. Variance from Investigation

The permittee may elect to certify that no hazardous waste or hazardous constituents listed in 40 CFR Part 261, Appendix VIII and/or 40 CFR Part 264, Appendix IX are or were present/managed in a unit listed in Permit Section IX.C. in lieu of performing the investigation required in Permit Sections IX.B. and E., provided that confirmation data is submitted for the current and past waste(s) managed in the respective unit. The permittee shall submit such information and certification(s) on a unit-by-unit basis in the time frame required in Permit Section IX.E. for review and approval by the Executive Director of the TCEQ. If the permittee cannot demonstrate and certify that hazardous waste or hazardous constituents are not or were not present in a particular unit, the investigation required in Permit Sections IX.B. and E. shall be performed for the unit and/or AOC.

E. RCRA Facility Investigation (RFI)/Affected Property Assessment (APA)

Within sixty (60) days from the date of issuance of this permit the permittee shall submit a schedule for completion of the RFI(s)/APA for the SWMU(s) or AOC listed in Permit Section IX.C. to the Executive Director for approval. Also, within sixty (60) days of approval of an RFA Report which recommends further investigation of a SWMU(s) or AOC in accordance with Permit Section IX.A., the permittee shall submit a schedule for completion of the RFI(s)/APA to the Executive Director for approval. The permittee shall initiate the investigations in accordance with the approved schedule and guidance contained in the EPA publication EPA/520-R-94-004, OSWER Directive 9902.3-2A, RCRA Corrective Action Plan (Final), May 1994 and in accordance with state regulations referenced in Permit Section IX.B. If the permittee elects to use an alternate investigation approach, Executive Director approval of the workplan will be required prior to initiation of investigation(s). The results of the RFI/APA must be appropriately documented in a report and submitted to the Executive Director for approval within the time frame established in the approved schedule. The Report shall be considered complete when the full nature and extent of the contamination, the QA/QC procedures and the Data Quality Objectives are documented to the satisfaction of the Executive Director. The permittee shall propose or conduct Interim Corrective Measures (ICMs), as necessary, to protect human health and the environment.

F. Remedy Selection

Upon approval of the RFI Report/APA Report (APAR), if it is determined that there has been a release of COCs into the environment, which poses a potential risk to human health and the environment, then the permittee shall propose a remedy in accordance with the 30 TAC Chapter 335, Subchapters A and S, Risk Reduction Standards (if applicable), the TRRP rules, or as otherwise authorized by the Executive Director. This may require a BLRA and/or CMS Report to be submitted for review and approval within the time frame(s) specified by the Executive Director. For facilities that are grandfathered under 30 TAC Chapter 335, Subchapter S, this report shall address RRS requirements, and the applicable items contained in the EPA publications referenced in Permit Section IX.E. or other guidance acceptable to the Executive Director. For projects conducted under TRRP, the risk assessment process shall be addressed in the APAR and the evaluation of corrective measures shall be conducted as part of the remedy standard selection process.

1. Corrective Measures Implementation (CMI)/Remedial Action Plan (RAP). The permittee shall submit a RAP within the time frame required by the Executive Director, not to exceed 180 days from the date of approval of the APAR. The RAP shall address all of the items for Corrective Measures Implementation (CMI) Workplans contained in the U.S. EPA publication EPA/520-R-94-004, OSWER Directive 9902.3-2A, RCRA Corrective Action Plan (Final), May 1994. If the RAP does not propose a permanent remedy, then a RAP shall be submitted as part of a new Compliance Plan application or as a modification/amendment application to an existing compliance plan. The RAP shall contain detailed final engineering design and monitoring plans and schedules necessary to implement the selected remedy. Implementation of the corrective measures shall be addressed through a new and/or a modified/amended Compliance Plan. Upon installation of a corrective action system based upon the approved RAP, the permittee shall submit a RACR. Approval of the RACR places the SWMU in a status of conditional No Further Action, reflecting that the remedy is in place, controls must be maintained, and effectiveness must be monitored. To report the progress of the corrective measures, the permittee shall submit the Post-Response Action Care Report (PRACR) to the TCEQ in accordance with the schedule specified in the Compliance Plan to show the progress of actions taken.

   If on the basis of the RFI and/or BLRA and/or CMS or APA, it is determined that there is a risk to human health and/or the environment, then the permittee shall submit for approval a CMI Work Plan(s) or propose a response action (TRRP) within 180 days of receipt of approval of the RFI and/or BLRA/CMS Report or APAR unless otherwise extended by the Executive Director. The CMI Workplan shall address all of the applicable items contained in the EPA publications referenced in Permit Section IX.B. or other guidance acceptable to the Executive Director. Response actions, including TRRP Remedy Standard A or Risk Reduction Standard (RRS) No. 2, cannot be self-implemented as normally allowed by TRRP or RRS because under HSWA corrective action requires the CMI workplan to be reviewed prior to approval and public participation (see also Provision XI.F.2). For TRRP response actions, the permittee shall submit a RAP in accordance with schedules and requirements of 30 TAC Chapter 350. The CMI Workplan or RAP shall contain detailed final proposed engineering design, monitoring plans and schedule to implement the selected remedy and assurances of financial responsibility for completing the corrective action. Upon completion of the response action, the permittee shall submit a CMI Report or RACR to the TCEQ for review and approval. The CMI Report shall address all the applicable items in the EPA publications EPA/520-R-94-004, OSWER Directive 9902.3-2A, RCRA Corrective Action Plan (Final), May 1994 or other guidance acceptable to the Executive Director. The RACR shall address all the applicable items in Title 30 TAC Chapter 350 and applicable guidance.

   If the response action does not propose a permanent remedy (e.g., RRS No. 3 or Remedy Standard B), or the response action requires long-term groundwater monitoring in order to demonstrate attainment of a permanent remedy (e.g., monitored natural attenuation to demonstrate Remedy Standard A), the permittee must submit a CMI Workplan or RAP as part of a Compliance Plan application to establish corrective action and provide financial assurance to satisfy the requirements of 30 TAC Section 335.167. The Compliance Plan application must be submitted within 180 days of approval of the CMS/BLRA or APAR.

The permittee may propose an alternative schedule to be approved by the Executive Director to incorporate several approved CMI Workplans or RAPs into a single Compliance Plan application when CMI Workplans or RAP schedules coincide. Implementation of the corrective measure(s) shall be addressed through issuance of a new Compliance Plan.

To report the progress of the corrective measures, the permittee shall submit to the TCEQ CMI Progress Reports or RAERs (TRRP) on a semi-annual basis, or schedule approved by the Executive Director in the CMI Workplan or RAP. For waste and contaminated media approved to remain in place above background or health-based concentration levels after completion of the corrective action program, the permittee shall record an instrument in the county deed records for the facility to specifically identify the areas of contamination exceeding background or health-based values. The deed certification shall follow the requirements of 30 TAC Sections 335.560 and 335.569 or 30 TAC Section 350.111, where applicable. The permittee shall within ninety (90) days of approval for the final corrective action submit to the Executive Director for review and approval the required proof of deed notice.

2. Public Notice

a. The permittee shall conduct public notice when:

(1) CMI Work Plan or RAP is submitted to the Executive Director, in accordance with Provision IX.F.1., which contains the proposed final corrective measure for SWMU(s) and/or AOC(s) from which a release has occurred, and with proposed institutional control (as applicable). This process occurs through the submittal of an application for a new Compliance Plan; or

(2) If on the basis of the RFI/BLRA or APAR required by Permit Sections IX.E. and IX.F., it is determined the release from SWMU(s) and/or AOC(s) meets the performance standards under RRR or TRRP such that no remedy is needed, there is no risk to the human health and/or the environment, and the permittee seeks approval of no further action determination by the Executive Director. This process occurs through the corrective action process.

b. No public notice is required when it is determined based on the results of the RFA required by Permit Section IX.A., or the RFI or APAR required by Permit Section IX.E., that no release occurred from a SWMU and/or AOC. The purpose of the public notice is to give the members of the public the opportunity to submit written comments on the proposed corrective measure(s) or proposed no further action determination.

G. Compliance Plan (RESERVED)

X. Air Emission Standards

A. General Conditions

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. 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.B. and X.C., 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.B. and X.C., the permittee must immediately comply with these requirements.

B. Process Vents

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

C. Equipment Leaks

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

D. Tanks, Surface Impoundments and Containers

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

XI. **Compliance Plan** (RESERVED)

Table III.D. - Inspection Schedule

Facility Unit(s) and Basic Elements	Possible Error, Malfunction, or Deterioration	Frequency of Inspection
Cluster Munitions Disassembly Line and Medium Caliber Munitions Disassembly Line		
Area floors	**Spills, loose debris, collected dust**	**Daily (when in use)**
Conveyor systems and equipment	**Mechanical failures, loose debris**	**Daily (when in use)**
Static Detonation Chamber MEA, Static Detonation Chamber 1500, and Off Gas Treatment System		
Static detonation chambers and associated equipment	**Damage, corrosion, cracks, leaks, signs of tampering, fugitive emissions**	**Daily**
Off gas treatment system	**Damage, corrosion, cracks, leaks, signs of tampering**	**Daily**
Curbs, foundation	**Cracks, gaps, erosion, wet spots, damage**	**Daily**
Automatic waste feed cutoff (AWFCO) system	**Signal failure, operability**	**Weekly (when processing hazardous waste)**
Storage Igloos V-3-1, V-3-2, V-3-3, V-3-4, V-3-5, V-3-6, V-3-7		
Igloo doors	**Verify locked when not in use**	**Weekly**
Warning signs	**Verify visibility**	**Weekly**
Igloo floors	**Spills, loose debris, cracks**	**Weekly**
Containers	**Damage, leaks, improper labeling**	**Weekly**
Containers	**Open containers, improper configuration and spacing**	**Weekly**

Table III.D. - Inspection Schedule (continued)

Facility Unit(s) and Basic Elements	Possible Error, Malfunction, or Deterioration	Frequency of Inspection
Safety and Emergency Equipment		
Fire extinguishers	**Inadequate pressure, broken seal, access blocked, inspection out of date, bad hose/nozzle**	**Monthly**
Emergency shower/eyewash	**Inadequate pressure, access blocked, plugged lines**	**Monthly**
Spill kits	**Inadequate supply**	**Monthly**
Sprinkler system	**Inadequate pressure, malfunction**	**Monthly**
Communication system	**Radio/phone malfunctions**	**Monthly**
Alarm system	**Audible alarm inoperative, visual alarms inoperative**	**Monthly**
Loading and Unloading Areas		
Area floors	**Spills, debris, improperly stored materials**	**Daily (when in use)**

Table III.E.3. - Emergency Equipment

Equipment	Location	Physical Description	Capabilities
Fire extinguishers	Buildings E-15, E-17, and E-44	Portable (hand held, wheeled) extinguishers with chemical agents. Extinguisher sizes are variable (e.g., 5, 10, 20, 30 pounds).	Fire suppression
Emergency shower/eyewash	Buildings E-15, E-17, and E-44	Combination body shower and eyewash water deluge station	Chemical decontamination
Sprinkler system	Buildings E-15, E-17, and E-44	Pumps, piping, and sprinkler nozzles (capacity of 590 gpm at 50-70 psig)	Fire suppression
Spill kits	Buildings E-15, E-17, and E-44	Absorbent material	Spill clean up
Communication systems	Facility-wide	Portable communication receivers/transmitters with base station (two-way radios)	Emergency communication
Alarm system	Facility-wide	Facility-wide alarm signal notification system	Emergency communication

Table IV.B. - Wastes Managed In Permitted Units

No.	Waste	EPA Hazardous Waste Numbers	TCEQ Waste Form Codes and Classification Codes
1	**Military munitions, energetic, primers from offsite sources**	**D003, D004, D005, D006, D007, D008, D009, D010, D011, D030**	**315H**
2	**Disassembled military munitions, energetic, primers from onsite disassembly**	**D003, D004, D005, D006, D007, D008, D009, D010, D011, D030**	**315H**

Table IV.C - Sampling and Analytical Methods

Waste No.[1]	Sampling Location [4]	Sampling Method [4,2]	Frequency	Parameter	Test Method [5]	Desired Accuracy Level [3]
1	None	None	Each shipment	Reactivity	Process knowledge	As provided
				Ash content	Process knowledge	
				Antimony, arsenic, beryllium, cadmium, chromium, cobalt, lead, manganese, mercury, nickel, and selenium contents	Process knowledge	
				Chlorine content	Process knowledge	
				Volatile organics	Process knowledge	
				Semivolatile organics	Process knowledge	
2	None	None	Each batch	Reactivity	Process knowledge	As provided
				Ash content	Process knowledge	
				Antimony, arsenic, beryllium, cadmium, chromium, cobalt, lead, manganese, mercury, nickel, and selenium contents	Process knowledge	
				Chlorine content	Process knowledge	
				Volatile organics	Process knowledge	
				Semivolatile organics	Process knowledge	

1 from Table IV.B, first column

2 Sampling and Test/Analysis methods should be specified in enough detail to allow determination of whether they are suitable and correct for the purpose indicated while allowing flexibility in selection and future updates to the specified method. Standard methods, such as those from SW-846, will generally require no further submittal. Non-standard and proprietary methods may require additional information to determine suitability. ASTM methods may require submittal of a copy of the specified method.

3 Desired Accuracy Level should provide a specified numeric minimum performance level (maximum acceptable reporting limit) for method detection and quantitation limits that will be accepted from the laboratory performing the analysis and must ensure that reported data will allow determinations of compliance with regulatory limits for the parameter tested.

4 Due to the dangerous nature of explosives wastes, no sampling will be performed.

5 Information from the Munitions Item Disposition Action System (MIDAS) database will be used to characterize all munitions waste. This database provides information at an accuracy level that is sufficient to demonstrate compliance with the limits proposed in this application.

Table V.B. - Container Storage Areas

Permit Unit No.	Container Storage Area	N.O.R. No.	Rated Capacity [3]	Dimensions	Containment Volume (including rainfall for unenclosed areas) [4]	Unit will manage Ignitable,[1] Reactive,[1] or Incompatible[2] Waste (state all that apply)
5	**Storage Igloo V-3-1**	**005**	**300,000 lb total (200,000 lb NEW)**	**26 ft x 40 ft**	**Not applicable**	**Reactive**
6	**Storage Igloo V-3-2**	**006**	**300,000 lb total (200,000 lb NEW)**	**26 ft x 40 ft**	**Not applicable**	**Reactive**
7	**Storage Igloo V-3-3**	**007**	**300,000 lb total (200,000 lb NEW)**	**26 ft x 40 ft**	**Not applicable**	**Reactive**
8	**Storage Igloo V-3-4**	**008**	**300,000 lb total (200,000 lb NEW)**	**26 ft x 40 ft**	**Not applicable**	**Reactive**
9	**Storage Igloo V-3-5**	**009**	**300,000 lb total (200,000 lb NEW)**	**26 ft x 40 ft**	**Not applicable**	**Reactive**
10	**Storage Igloo V-3-6**	**010**	**300,000 lb total (200,000 lb NEW)**	**26 ft x 40 ft**	**Not applicable**	**Reactive**
11	**Storage Igloo V-3-7**	**011**	**300,000 lb total (200,000 lb NEW)**	**26 ft x 40 ft**	**Not applicable**	**Reactive**

[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] NEW refers to net explosive weight.

[4] The storage igloos will only hold wastes that do not contain free liquids. EXPAL will comply with 40 CFR § 264.175(c). Secondary containment is not required.

Table V.K.1 - Miscellaneous Units

Permit Unit No.	Miscellaneous Unit[2]	N.O.R. No.	Storage, Processing, and/or Disposal	Waste Nos.[1]	Rated Capacity	Dimensions	Unit will manage Ignitable, Reactive, or Incompatible Waste (state all that apply)
1	Cluster Munitions Disassembly Line	001	Processing	1, 2	10,000 pounds (lbs) total (5,000 lbs Net Explosive Weight (NEW) 128 kg/hr NEW	Not applicable	Reactive
2	Medium Caliber Munitions Disassembly Line	002	Processing	1, 2	10,000 lbs total (5,000 lbs NEW) 128 kg/hr NEW	Not applicable	Reactive
3	Static Detonation Chamber MEA	003	Processing	1, 2	312 kg/hr total (28 kg/hr NEW)[2]	11.5 m L x 2.9 m W x 5.0 m H	Reactive
4	Static Detonation Chamber 1500	004	Processing	1, 2	1,000 kg/hr total (100 kg/hr NEW)[2]	1.6 m ID x 2.0 m	Reactive

[1]from Table IV.B, first column
[2]The rated capacity for Permit Units 3 and 4 may be different than the operating parameter limit in Tables V.K.2. and V.K.5.

Table V.K.2. – Miscellaneous Unit Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems Static Detonation Chambers (SDCs) Unit Nos. 3 and 4

Parameter	Monitoring Basis[1]	Monitoring Device	Device Location	Permit Limit	Static Detonation Chamber AWFCO Yes/No[2]	Thermal Oxidizer AWFCO Yes/No[2]
Operating Parameters						
Maximum Total Hazardous Waste Feed Rate - Static Detonation Chamber MEA[3]	Continuous, hourly rolling average (HRA)	Weigh scale and Munition Count	Waste feed conveyors	Reserved	Yes	No
Maximum Total Hazardous Waste Feed Rate - Static Detonation Chamber 1500[3]	Continuous, hourly rolling average	Weigh scale and Munition Count	Waste feed conveyors	Reserved	Yes	No
Minimum Secondary Combustion Chamber Temperature – Thermal Oxidizer	Continuous, hourly rolling average	Thermocouple and temperature transmitter	Thermal oxidizer outlet	Reserved	Yes	No
Maximum Stack Gas Flow Rate	Continuous, hourly rolling average	Pitot tube and differential pressure transmitter	Stack	Reserved	Yes	No
Constituent Feed Rates: Maximum mercury Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses and/or weigh scale or Munition Count	Waste feed conveyors	Reserved	Yes	No
Maximum Semivolatile Metals Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses, weigh scale and/or Munition Count	Waste feed conveyors	Reserved	Yes	No
Maximum Low Volatility Metals Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses, weigh scale and Munition Count	Waste feed conveyors	Reserved	Yes	No
Maximum Total Chlorine Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses, weigh scale and/or Munition Count	Waste feed conveyors	Reserved	Yes	No

Parameter	Monitoring Basis[1]	Monitoring Device	Device Location	Permit Limit	Static Detonation Chamber AWFCO Yes/No[2]	Thermal Oxidizer AWFCO Yes/No[2]
Maximum Ash Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses, weigh scale and/or Munition Count	Waste feed conveyors	Reserved	Yes	No
Maximum Thermal Oxidizer Pressure	Continuous	Pressure transmitter	Thermal oxidizer	0 millibars (mbar)	Yes	No
CEMS Monitoring Parameters						
Stack Oxygen[6]	Continuous	CEMS	Stack	No limit (used for correction to 7% O_2)	No	No
Stack CO[6]	Continuous, hourly rolling average	CEMS	Stack	100 ppmv dry basis, HRA, 7% O_2	Yes	No
APCD Parameters						
Minimum scrubber water pH	Continuous, hourly rolling average	pH transmitter and electrode	Scrubber sump	Reserved	Yes	No
Minimum liquid to flue gas ratio (L/G)	Continuous, hourly rolling average	Flow meters	Scrubber recycle line and stack	Reserved	Yes	No
Minimum scrubber pressure drop	Continuous, hourly rolling average	Differential pressure transmitter	Inlet and outlet of scrubber	Reserved	Yes	No
Maximum scrubber water conductivity[4]	Continuous, hourly rolling average	Conductivity meter	Scrubber sump	Reserved	Yes	No
Maximum Flue Gas Temperature at PM Control Device Inlet	Continuous, hourly rolling average	Thermocouple and temperature transmitter	Baghouse inlet duct	Reserved	Yes	No
Bag Leak Detection System[5]	Continuous	Leak detection system	Outlet of baghouse	Not Applicable	No	No

[1] *Instantaneous* as defined in 40 CFR 266.102(e)(6)(i)(A) shall mean a value which occurs at any time. A value shall be determined by the monitoring device no less than every 15 seconds.
Continuous monitor is one which continuously samples or measures the regulated parameter without interruption, and evaluates the detector response at least once each 15 seconds, and computes and records the average value at least every 60 seconds.

Hourly Rolling Averages (HRAs) and *12-Hour Rolling Averages* shall be calculated in accordance with the requirements in 40 CFR 63.1209.

[2]Automatic Waste Feed Cutoff (AWFCO). For AWFCOs indicated by "Yes", the Permit Limit in the table triggers an AWFCO. No additional hazardous wastes may be fed to the static detonation units during an AWFCO event. No hazardous waste is fed to the Thermal Oxidizer.

[3]The Feed rates of the constituents shall be determined using the information provided in the Munitions Item Disposition Action System (MIDAS) database for each of the munitions to be processed in accordance with the Waste Analysis Plan. Munitions shall either be counted by piece or other applicable units or weighed to determine feed rate compliance. Documentation of compliance with feed rates shall be maintained in facility operating records. Hazardous feed rate limits are in units of both total feed rates and the Net Explosive Weight (NEW) in kilograms per hour (kg/hr). Constituent feed rate limits are in units of grams per hour (g/hr). Feed rates of NEW shall be determined using the information provided in the MIDAS database or other official databases for each of the munition types to be processed. The NEW feed rate shall be summed for each munition or unit of munitions processed over a one hour period of time. Total feed rate limits may rely upon weighing the munitions processed per unit time for compliance. Compliance with the feed rate limit for mercury requires compliance with 40 CFR 63.1207(m)(1) and the emission standard in micrograms per dry standard cubic meter (ug/dscm) corrected to 7% oxygen.

[4]Maximum scrubber water conductivity shall be monitored with a continuous monitoring system in accordance with 40 CFR 63.1209(m)(1)(B)(1)(i). The units of measure shall be in millisiemens per centimeter (mS/cm).

[5]The Bag Leak Detection System or Particulate Matter Detection System shall meet the specifications and requirements in 40 CFR Sections 63.1206(c)(8).

[6]Continuous Emission Monitoring Systems (CEMS) are used for compliance with the standard for carbon monoxide measured in units of parts per million by volume, dry basis, hourly rolling average, corrected to 7% oxygen (ppmv dry basis, HRA, 7% O2). The CEMS measurements for oxygen are used for correction of stack gas concentrations to 7% oxygen.

Table V.K.3. - Maximum Constituent Feed Rates
Static Detonation Chambers (SDCs) Unit Nos. 3 and 4

The total feed rate of constituents to the unit(s) shall not exceed the following limitations in grams per hour (g/hr).

Constituent	Maximum Allowable Feed Rate in All Feedstreams Hourly Basis[1] g/hr)
Mercury[2]	40 CFR 63.1207(m)(1)
Low Volatility Metals[3] (As+Be+Cr+Sb+Co+Mn+Ni)	20
Semivolatile Metals[3] (Pb+Cd+Se)	40
Total Chlorine	20,000
Ash	4,100

Notes:
[1]Interim feed rate limits are provided. Final feed rate limits based upon the trial burn results shall be established in accordance with Provision V.K.5.d. Units are in grams per hour (g/hr) and monitored on an hourly basis. Feed rates of the constituents shall be determined using the information provided in the Munitions Item Disposition Action System database for each of the munitions to be processed in accordance with the Waste Analysis Plan.
[2]Permittee shall comply with 40 CFR 63.1207(m)(1) to ensure compliance with the mercury emission standard. If complying with 40 CFR 63.1207(m)(1)(iii), a maximum feed rate of mercury shall be established.
[3]Low Volatility Metals include antimony (Sb), arsenic (As), beryllium (Be), chromium (Cr), cobalt (Co), manganese (Mn), and nickel (Ni). Semivolatile Metals include lead (Pb), cadmium (Cd), and selenium (Se). The feed rate of each metal within the volatility group are summed.

Table V.K.4. - Maximum Allowable Emission Rates
Static Detonation Chambers (SDCs) Unit Nos. 3 and 4

Constituent	Maximum Allowable Emission Concentration	Units[1]
Dioxins and Furans	0.11	ng TEQ/dscm, 7% O2 correction
Mercury (Hg)	8.1	ug/dscm, 7% O2 correction
Semivolatile Metals[2] (Pb+Cd+Se)	10	ug/dscm, 7% O2 correction
Low Volatility Metals[2] (Sb+As+Be+Cr+Co+Mn+Ni)	23	ug/dscm, 7% O2 correction
Chloride Equivalent (Cl-)	21	ppmv, 7% O2 correction, dry basis
Particulate Matter[3]	0.08	gr/dscf, 7% O2 correction
Carbon Monoxide	100	ppmv, 7% O2 correction, dry basis, hourly rolling average
Hydrocarbons[4]	10	ppmv, 7% O2 correction, dry basis, hourly rolling average

[1]Units are in micrograms per dry standard cubic meter (ug/dscm), corrected to 7% oxygen; parts per million by volume (ppmv), corrected to 7% oxygen, dry basis; grains per dry standard cubic foot (gr/dscf), corrected to 7% oxygen; and nanograms of toxicity equivalents (defined in 40 CFR 63.1201(a)) per dry standard cubic meter, corrected to 7% oxygen. Standard conditions: 760 millimeters mercury and 68 degrees Fahrenheit.
[2] Permittee shall comply with the alternative to the particulate matter standard in 40 CFR 63.1219(e). Low Volatility Metals include antimony (Sb), arsenic (As), beryllium (Be), chromium (Cr), cobalt (Co), manganese (Mn), and nickel (Ni). Semivolatile Metals include lead (Pb), cadmium (Cd), and selenium (Se). The emissions of each metal within the volatility classification are summed to compare with the respective emission standard.
[3]Permittee shall comply with the particulate matter standard in 40 CFR 264.343(c).
[4]Permittee has elected to comply with the carbon monoxide standard in 40 CFR 63.1219(b)(5)(i). Hydrocarbon continuous emission monitoring applies only during destruction and removal efficiency testing.

Table V.K.5 - Permit Conditions, Monitoring and Automatic Waste Feed Cutoff Systems - Short-Term Operation – Static Detonation Chamber (SDCs) Unit Nos. 3 and 4

Parameter	Monitoring Basis[1]	Monitoring Device	Device Location	Short-Term Operating Permit Limits			Static Detonation Chamber AWFCO Yes/No[2]	Thermal Oxidizer AWFCO Yes/No[2]
				Pre-Trial Burn - Shakedown	Trial Burn	Post Trial Burn		
Operating Parameters								
Maximum Total Hazardous Waste Feed Rate - Static Detonation Chamber MEA[3]	Continuous, hourly rolling average (HRA)	Weigh scale and munition count	Waste feed conveyors	312 kg/hr total (28 kg/hr NEW)	350 kg/hr total (30 kg/hr NEW)	312 kg/hr total (28 kg/hr NEW)	Yes	No
Maximum Total Hazardous Waste Feed Rate - Static Detonation Chamber 1500[3]	Continuous, hourly rolling average	Weigh scale and munition count	Waste feed conveyors	1,000 kg/hr total (100 kg/hr NEW)	1,200 kg/hr total (120 kg/hr NEW)	1,000 kg/hr total (100 kg/hr NEW)	Yes	No
Minimum Secondary Combustion Chamber Temperature – Thermal Oxidizer	Continuous, hourly rolling average	Thermocouple and temperature transmitter	Thermal oxidizer outlet	800° Centigrade (C)	800° C	800° C	Yes	No
Maximum Stack Gas Flow Rate	Continuous, hourly rolling average	Ultrasonic gas flow meter	Stack	3,500 cubic meters per hour (m^3/hr)	3,500 m^3/hr	3,500 m^3/hr	Yes	No
Constituent Feed Rates: Maximum Mercury Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses and/or weigh scale or munition count	Waste feed conveyors	8.1 μg/dscm corrected to 7% oxygen	8.1 μg/dscm corrected to 7% oxygen	8.1 μg/dscm corrected to 7% oxygen	Yes	No
Maximum Semivolatile Metals Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses, weigh scale and/or munition count	Waste feed conveyors	20 g/hr	20 g/hr	20 g/hr	Yes	No

Parameter	Monitoring Basis[1]	Monitoring Device	Device Location	Short-Term Operating Permit Limits			Static Detonation Chamber AWFCO Yes/No[2]	Thermal Oxidizer AWFCO Yes/No[2]
				Pre-Trial Burn - Shakedown	Trial Burn	Post Trial Burn		
Maximum Low Volatility Metals Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses, weigh scale and munition count	Waste feed conveyors	40 g/hr	40 g/hr	40 g/hr	Yes	No
Maximum Total Chlorine Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses, weigh scale and/or munition count	Waste feed conveyors	20,000 g/hr	20,000 g/hr	20,000 g/hr	Yes	No
Maximum Ash Feed Rate[3]	Continuous, 12-hour rolling average	Periodic waste analyses, weigh scale and/or munition count	Waste feed conveyors	4,100 g/hr	4,100 g/hr	4,100 g/hr	Yes	No
Maximum Thermal Oxidizer Pressure	Continuous	Pressure transmitter	Thermal oxidizer	0 millibars (mbar)	0 mbar	0 mbar	Yes	No
Continuous Emission Monitoring Parameters								
Stack Oxygen[6]	Continuous	CEMS	Stack	No limit (used for correction to 7% O2)	No limit (used for correction to 7% O2)	No limit (used for correction to 7% O2)	No	No
Stack Carbon Monoxide (CO)[6]	Continuous, hourly rolling average	CEMS	Stack	100 ppmv dry basis, HRA, 7% O2	100 ppmv dry basis, HRA, 7% O2	100 ppmv dry basis, HRA, 7% O2	Yes	No
Air Pollution Control Device Parameters								
Minimum Scrubber Water pH	Continuous, hourly rolling average	pH transmitter and electrode	Scrubber sump	2.0	2.0	2.0	Yes	No

Parameter	Monitoring Basis[1]	Monitoring Device	Device Location	Short-Term Operating Permit Limits			Static Detonation Chamber AWFCO Yes/No[2]	Thermal Oxidizer AWFCO Yes/No[2]
				Pre-Trial Burn - Shakedown	Trial Burn	Post Trial Burn		
Minimum Liquid to Flue Gas Ratio (L/G)	Continuous, hourly rolling average	Flow meters	Scrubber recycle line and stack	1.1 liters per cubic meters (L/m^3)	1.1 L/m^3	1.1 L/m^3	Yes	No
Minimum Scrubber Pressure Drop	Continuous, hourly rolling average	Differential pressure transmitter	Inlet and outlet of scrubber	4.0 mbar	4.0 mbar	4.0 mbar	Yes	No
Maximum Scrubber Water Conductivity[4]	Continuous, hourly rolling average	Conductivity meter	Scrubber sump	600 mS/cm	600 mS/cm	600 mS/cm	Yes	No
Maximum Flue Gas Temperature at PM Control Device Inlet	Continuous, hourly rolling average	Thermocouple and temperature transmitter	Baghouse inlet duct	250˚ C	250˚ C	250˚ C	Yes	No
Bag Leak Detection System[5]	Continuous	Leak detection system	Outlet of baghouse	Not applicable	Not applicable	Not applicable	No	No

[1]*Instantaneous* as defined in 40 CFR 266.102(e)(6)(i)(A) shall mean a value which occurs at any time. A value shall be determined by the monitoring device no less than every 15 seconds.
Continuous monitor is one which continuously samples or measures the regulated parameter without interruption, and evaluates the detector response at least once each 15 seconds, and computes and records the average value at least every 60 seconds.
Hourly Rolling Averages (HRAs) and *12-Hour Rolling Averages* shall be calculated in accordance with the requirements in 40 CFR 63.1209.

[2]Automatic Waste Feed Cutoff (AWFCO). For AWFCOs indicated by "Yes", the Permit Limit in the table triggers an AWFCO. No additional hazardous wastes may be fed to the static detonation units during an AWFCO event. No hazardous waste is fed to the Thermal Oxidizer.

[3]The Feed rates of the constituents shall be determined using the information provided in the Munitions Item Disposition Action System (MIDAS) database for each of the munitions to be processed in accordance with the Waste Analysis Plan. Munitions shall either be counted by piece or other applicable units or weighed to determine feed rate compliance. Documentation of

compliance with feed rates shall be maintained in facility operating records. Hazardous waste feed rate limits are in units of both total feed rates and the Net Explosive Weight (NEW) in kilograms per hour (kg/hr). Constituent feed rate limits are in units of grams per hour (g/hr). Feed rates of NEW shall be determined using the information provided in the MIDAS database or other official databases for each of the munition types to be processed. The NEW feed rate shall be summed for each munition or unit of munitions processed over a one hour period of time. Total feed rate limits may rely upon weighing the munitions processed per unit time for compliance. Compliance with the feed rate limit for mercury requires compliance with 40 CFR 63.1207(m)(1) and the emission standard in micrograms per dry standard cubic meter (ug/dscm) corrected to 7% oxygen.

[4]Maximum scrubber water conductivity shall be monitored with a continuous emission monitoring system in accordance with 40 CFR 63.1209(m)(1)(B)(1)(ii). The units of measure shall be in millisiemens per centimeter (mS/cm).

[5]The Bag Leak Detection System or Particulate Matter Detection System shall meet the specifications and requirements of 40 CFR Sections 63.1206(c)(8).

[6]Continuous Emission Monitoring Systems (CEMS) are used for compliance with the standard for carbon monoxide measured in units of parts per million by volume, dry basis, hourly rolling average, corrected to 7% oxygen (ppmv dry basis, HRA, 7% O2). The CEMS measurements for oxygen are used for correction of stack gas concentrations to 7% oxygen.

SITE LEGAL DESCRIPTION

Property Description – Overall Parcel
271.751 Acres (273.438 Acres, Save and Except 1.687 Acres)
Bowie County, Texas

All that certain lot, tract or parcel of land lying and situated in the William H. Fore Headright Survey, Abstract 214, Bowie County, Texas, being part of those certain tracts of land described as Tract 1 (Area V), with 646.998 acres, and Tract Two (Area E), with 419.186 acres in the deed from TexAmericas Center to TAC East Holdings Company No. 1, dated July 28, 2015, recorded in Document No. 2015-8269 of the Real Property Records of Bowie County, Texas, a part of those certain tract of land described as Tract 3 – Between Proposed 4th and 5th Street Parcel w/ 2123.097 acres, Tract 10 – Proposed 5th Street Parcel (Now known as Cypress Street), with 81.718 acres, and Tract 8 – South of Proposed 5th Street Parcel, with 4586.02 Acres in the deed from United States of America to Red River Redevelopment Authority, now known as TexAmericas Center, dated September 1, 2010, recorded in Volume 5898, Page 1 of the Real property Records in Bowie County, Texas and being more particularly described by metes and bounds as follows:

COMMENCING at a 1/2 inch steel rod found for a corner, capped Texas MG 5760, the Southwest corner of the said 2123.097 acre tract;

THENCE North 00 degrees 00 minutes 00 seconds East a distance of 5713.10 feet and North 90 degrees 00 minutes 00 seconds East a distance of 6707.79 feet, and South 89 degrees 35 minutes 37 seconds East a distance of 267.82 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the POINT OF BEGINNING;

THENCE South 89 degrees 35 minutes 37 seconds East, at a distance of 367.83 feet passing a 1/2 inch steel rod set for a corner, capped MTG 101011-00, lying in the West line of the said 419.186 acre tract, continuing in all a distance of 471.48 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 00 degrees 00 minutes 00 seconds East a distance of 168.10 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 90 degrees 00 minutes 00 seconds East a distance of 2571.84 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 00 degrees 00 minutes 00 seconds West a distance of 2651.48 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 90 degrees 00 minutes 00 seconds West a distance of 446.68 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 00 degrees 24 minutes 23 seconds West a distance of 806.28 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 89 degrees 35 minutes 37 seconds West a distance of 2193.18 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, lying in the West line of the said 419.186 acre tract;

THENCE South 00 degrees 31 minutes 26 seconds East a distance of 398.00 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00;

THENCE South 50 degrees 15 minutes 44 seconds East a distance of 65.52 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Southwest corner of the said 419.186 acre tract, lying in the North line of the said 81.718 acre tract (Cypress Street);

THENCE South 10 degrees 09 minutes 13 seconds East a distance of 88.54 feet to a point for a corner, at an angle point;

THENCE South 54 degrees 45 minutes 51 seconds West a distance of 144.16 feet to a point for a corner, at an angle point;

THENCE South 08 degrees 44 minutes 20 seconds West a distance of 39.98 feet to a point for a corner, at an angle point;

THENCE South 18 degrees 18 minutes 30 seconds West a distance of 196.40 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 14 degrees 27 minutes 08 seconds West a distance of 72.79 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 13 degrees 59 minutes 21 seconds West a distance of 84.42 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 07 degrees 06 minutes 21 seconds West a distance of 68.05 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 04 degrees 36 minutes 26 seconds West a distance of 144.41 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 01 degrees 54 minutes 00 seconds West a distance of 112.82 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 01 degrees 10 minutes 34 seconds East a distance of 162.33 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 00 degrees 25 minutes 44 seconds East a distance of 99.66 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 89 degrees 28 minutes 56 seconds West a distance of 663.18 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 89 degrees 28 minutes 14 seconds West a distance of 123.13 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 00 degrees 36 minutes 21 seconds East a distance of 3544.06 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 89 degrees 23 minutes 39 seconds West a distance of 480.00 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 00 degrees 36 minutes 21 seconds West a distance of 3544.70 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, said corner bears South 90 degrees 00 minutes 00 seconds East a distance of 1072.88 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Northwest corner of the said 646.998 acre tract;

THENCE North 89 degrees 28 minutes 14 seconds East a distance of 240.46 feet to a point for a corner to a point for a corner;

THENCE North 00 degrees 31 minutes 46 seconds West a distance of 30.00 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 89 degrees 28 minutes 14 seconds East a distance of 362.68 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 89 degrees 28 minutes 56 seconds East a distance of 563.23 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 44 degrees 31 minutes 36 seconds East a distance of 99.06 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 01 degrees 10 minutes 34 seconds West a distance of 162.45 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 01 degrees 54 minutes 00 seconds East a distance of 114.34 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 04 degrees 36 minutes 26 seconds East a distance of 145.77 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 07 degrees 06 minutes 21 seconds East a distance of 70.51 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 13 degrees 59 minutes 21 seconds East a distance of 86.35 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 14 degrees 27 minutes 08 seconds East a distance of 73.92 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 18 degrees 18 minutes 30 seconds East a distance of 194.90 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 08 degrees 44 minutes 20 seconds East a distance of 27.29 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 47 degrees 30 minutes 30 seconds West a distance of 77.21 feet to a point for a corner to a point for a corner, at an angle point;

THENCE North 06 degrees 04 minutes 26 seconds West a distance of 88.96 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, lying in the North line of the said 81.718 acre tract (Cypress Street);

THENCE North 39 degrees 44 minutes 16 seconds East a distance of 77.37 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00;

THENCE North 00 degrees 31 minutes 26 seconds West a distance of 556.19 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 80 degrees 46 minutes 43 seconds West a distance of 332.10 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 00 degrees 33 minutes 45 seconds East a distance of 3190.24 feet to the point of beginning and containing 273.438 acres of land, save and except 1.687 acres, leaving a total of 271.751 acres, at the time of this survey.

This description is based on the survey and plat made by Jeffrey A. Wood, Registered Professional Land Surveyor No. 6220, on March 31, 2016.

SAVE AND EXCEPT:
1.687 Acres

All that certain lot, tract or parcel of land lying and situated in the William H. Fore Headright Survey, Abstract 214, Bowie County, Texas, being part of land described as Tract Two (Area E), with 419.186 acres in the deed from TexAmericas Center to TAC East Holdings Company No. 1, dated July 28, 2015, recorded in Document No. 2015-8269 of the Real Property Records of Bowie County, Texas, and being more particularly described by metes and bounds as follows:

BEGINNING at a 1/2 inch steel rod set for a corner, capped MTG 101011-00, lying in the West line of the said 419.186 acre tract, said corner bears said corner bears South 00 degrees 31 minutes 26 seconds East (basis of bearings) a distance of 504.10 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00 (control monument), and South 50 degrees 15 minutes 44 seconds East a distance of 65.52 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Southwest corner of the said 419.186 acre tract

THENCE North 00 degrees 31 minutes 26 seconds West a distance of 50.56 feet along the West line of the said 419.186 acre tract to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 80 degrees 57 minutes 54 seconds East a distance of 178.72 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the beginning of a circular curve to the left;

THENCE in a Northeasterly direction along the arc of the said curve a distance of 776.15, with a radius of 942.64 feet, a delta angle of 47 degrees 10 minutes 36 seconds, a chord bearing of North 53 degrees 36 minutes 49 seconds East, and a chord distance of 754.41 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the end of the said circular curve, at the beginning of a compound curve to the left;

THENCE in a Northeasterly direction along the arc of the said circular curve a distance of 474.17 feet, with a radius of 792.02 feet, a delta angle of 34 degrees 18 minutes 09 seconds, a chord bearing of North 12 degrees 31 minutes 53 seconds East, and a chord distance of 467.12 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the end of the said circular curve, at the beginning of a compound curve to the right;

THENCE North 85 degrees 22 minutes 48 seconds East radial to said curve, a distance of 50.00 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the beginning of a curve to the right;

THENCE in a Southwesterly direction along the arc of the said circular curve a distance of 504.26 feet, with a radius of 842.02 feet, a delta angle of 34 degrees 18 minutes 46 seconds, a chord bearing of South 12 degrees 10 minutes 46 seconds West, and a chord distance of 490.92 to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the end of the said circular curve at the beginning of a compound curve to the right;

THENCE in a in a Southwesterly direction along the arc of the said circular curve a distance of 819.14 feet, with a delta angle of 47 degrees 16 minutes 53 seconds to a point of cusp on a curve, a radius of 992.64 feet, a chord bearing of South 53 degrees 39 minutes 27 seconds West, and a chord distance of 796.09 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the end of the said circular curve, at the beginning of a compound curve to the left;

THENCE South 80 degrees 57 minutes 54 seconds West a distance of 187.83 feet to the point of beginning and containing 1.687 acres of land, at the time of this survey.

Property Description – Tract No. 1
200.441 Acres
Bowie County, Texas

All that certain lot, tract or parcel of land lying and situated in the William H. Fore Headright Survey, Abstract 214, Bowie County, Texas, being part of land described as Tract

Two (Area E), with 419.186 acres in the deed from TexAmericas Center to TAC East Holdings Company No. 1, dated July 28, 2015, recorded in Document No. 2015-8269 of the Real Property Records of Bowie County, Texas, and being more particularly described by metes and bounds as follows:

BEGINNING at a 1/2 inch steel rod set for a corner, capped MTG 101011-00, lying in the West line of the said 419.186 acre tract, said corner bears said corner bears South 00 degrees 31 minutes 26 seconds East (basis of bearings) a distance of 398.00 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00 (control monument), and South 50 degrees 15 minutes 44 seconds East a distance of 65.52 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Southwest corner of the said 419.186 acre tract;

THENCE North 00 degrees 31 minutes 26 seconds West a distance of 106.10 feet along the West line of the said 419.186 acre tract to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 80 degrees 57 minutes 54 seconds East a distance of 187.83 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the beginning of a circular to the left,

THENCE in a Northeasterly direction along the arc of the said circular curve a distance of 819.14 feet, with a delta angle of 47 degrees 16 minutes 53 seconds to a point of cusp on a curve, a radius of 992.64 feet, a chord bearing of North 53 degrees 39 minutes 27 seconds East, and a chord distance of 796.09 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the end of the said circular curve, at the beginning of a compound curve to the left;

THENCE in a Northeasterly direction along the arc of the said circular curve a distance of 504.26 feet, with a radius of 842.02 feet, a delta angle of 34 degrees 18 minutes 46 seconds, a chord bearing of North 12 degrees 10 minutes 46 seconds East, and a chord distance of 490.92 to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the end of the said circular curve;

THENCE South 85 degrees 22 minutes 48 seconds West, radial to the said curve a distance of 50.00 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the beginning of a curve to the right;

THENCE in a Southwesterly direction along the arc of the said circular curve a distance of 474.17 feet, with a radius of 792.02 feet, a delta angle of 34 degrees 18 minutes 09 seconds, a chord bearing of South 12 degrees 31 minutes 53 seconds West, and a chord distance of 467.12 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the end of the said circular curve, at the beginning of a compound curve to the right;

THENCE in a Southwesterly direction along the arc of the said circular curve a distance of 776.15 feet, with a radius of 942.64 feet, a delta angle of 47 degrees 10 minutes 36 seconds, a chord bearing of South 53 degrees 36 minutes 49 seconds West, and a chord distance of 754.41 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the end of the said circular curve;

THENCE South 80 degrees 57 minutes 54 seconds West a distance of 178.72 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, lying in the West line of the said 419.186 acre tract;

THENCE North 00 degrees 31 minutes 26 seconds West a distance of 3118.31 feet along the West line of the said 419.186 acre tract to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, said corner bears said corner bears North 00 degrees 31 minutes 26 seconds West a distance of 2073.41 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00 (control monument), and North 43 degrees 04 minutes 14 seconds East a distance of 72.51 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, lying in the South line of that certain tract of land described as Tract 20 - Proposed 4th Street w/ 58.304 acres in the deed from United States of America to Red River Redevelopment Authority, now known as TexAmericas Center, dated September 1, 2010, recorded in Volume 5898, Page 1 of the Real property Records in Bowie County, Texas, the Northwest corner of the said 419.186 acre tract;

THENCE South 89 degrees 35 minutes 37 seconds East a distance of 103.64 feet a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 00 degrees 00 minutes 00 seconds East a distance of 168.10 feet a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 90 degrees 00 minutes 00 seconds East a distance of 2571.84 feet a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 00 degrees 00 minutes 00 seconds West a distance of 2651.48 feet a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 90 degrees 00 minutes 00 seconds West a distance of 446.68 feet a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 00 degrees 24 minutes 23 seconds West a distance of 806.28 feet a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 89 degrees 35 minutes 37 seconds West a distance of 2193.18 feet to the point of beginning and containing 200.441 acres of land, at the time of this survey.

This description is based on the survey and plat made by Jeffrey A. Wood, Registered Professional Land Surveyor No. 6220, on March 31, 2016.

Property Description - Tract No. 2
9.391 Acres
Bowie County, Texas

All that certain lot, tract or parcel of land lying and situated in the William H. Fore Headright Survey, Abstract 214, Bowie County, Texas, being a part of those certain tract of land described as Tract 3 - Between Proposed 4th and 5th Street Parcel w/ 2123.097 acres, Tract 10 - Proposed 5th Street Parcel (Now known as Cypress Street), with 81.718 acres, and Tract 8 - South of Proposed 5th Street Parcel, with 4586.02 Acres in the deed from United States of America to Red River Redevelopment Authority, now known as TexAmericas Center, dated September 1, 2010, recorded in Volume 5898, Page 1 of the Real property Records in Bowie County, Texas, and being more particularly described by metes and bounds as follows:

COMMENCING at a 1/2 inch steel rod found for a corner, capped Texas MG 5760, the Southwest corner of the said 2123.097 acre tract;

THENCE North 00 degrees 00 minutes 00 seconds East a distance of 5713.10 feet and North 90 degrees 00 minutes 00 seconds East a distance of 6707.79 feet, and South 89 degrees 35 minutes 37 seconds East a distance of 267.82 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the POINT OF BEGINNING;

THENCE South 89 degrees 35 minutes 37 seconds East a distance of 100.01 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, lying in the West line of that certain tract of land described as Tract Two (Area E), with 419.186 acres in the deed from TexAmericas Center to TAC East Holdings Company No. 1, dated July 28, 2015, recorded in Document No. 2015-8269 of the Real Property Records of Bowie County, Texas, said corner bears North 00 degrees 31 minutes 26 seconds West a distance of 2073.41 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00 (control monument), and North 43 degrees 04 minutes 14 seconds East a distance of 72.51 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, lying in the South line of that certain tract of land described as Tract 20 - Proposed 4th Street w/ 58.304 acres in the deed from United States of America to Red River Redevelopment Authority, now known as TexAmericas Center, dated September 1, 2010, recorded in Volume 5898, Page 1 of the Real property Records in Bowie County, Texas, the Northwest corner of the said 419.186 acre tract;

THENCE South 00 degrees 31 minutes 26 seconds East (basis of bearings) a distance of 3672.97 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00 (control monument);

THENCE South 50 degrees 15 minutes 44 seconds East a distance of 65.52 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Southwest corner of the said 419.186 acre tract, lying in the North line of the said 81.718 acre tract (Cypress Street);

THENCE South 10 degrees 09 minutes 13 seconds East a distance of 88.54 feet to a point for a corner, at an angle point;

THENCE South 54 degrees 45 minutes 51 seconds West a distance of 144.16 feet to a point for a corner, at an angle point;

THENCE South 08 degrees 44 minutes 20 seconds West a distance of 39.98 feet to a point for a corner, at an angle point;

THENCE South 18 degrees 18 minutes 30 seconds West a distance of 196.40 feet to a point for a corner to a point for a corner, at an angle point;

THENCE South 14 degrees 27 minutes 08 seconds West a distance of 19.56 feet to a point for a corner, lying in the North line of that certain tract of land described as Tract 1 (Area V), with 646.998 acres in the deed from Texamericas Center to TAC East Holdings Company No. 1, dated July 28, 2015, recorded in Document No. 2015-8269 of the Real Property Records of Bowie County, Texas;

THENCE South 89 degrees 21 minutes 11 seconds West a distance of 31.07 feet along the North line of the said 646.998 acre tract to a point for a corner;

THENCE North 14 degrees 27 minutes 08 seconds East a distance of 28.67 feet to a point for a corner, at an angle point;

THENCE North 18 degrees 18 minutes 30 seconds East a distance of 194.90 feet to a point for a corner, at an angle point;

THENCE North 08 degrees 44 minutes 20 seconds East a distance of 27.29 feet to a point for a corner, at an angle point;

THENCE North 47 degrees 30 minutes 30 seconds West a distance of 77.21 feet to a point for a corner, at an angle point;

THENCE North 06 degrees 04 minutes 26 seconds West a distance of 88.96 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, lying in the North line of the said 81.718 acre tract (Cypress Street);

THENCE North 39 degrees 44 minutes 16 seconds East a distance of 77.37 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00;

THENCE North 00 degrees 31 minutes 26 seconds West a distance of 3691.29 feet to the point of beginning and containing 9.391 acres of land, at the time of this survey.

This description is based on the survey and plat made by Jeffrey A. Wood, Registered Professional Land Surveyor No. 6220, on March 31, 2016.

Property Description – Tract No. 3
21.621 Acres
Bowie County, Texas

All that certain lot, tract or parcel of land lying and situated in the William H. Fore Headright Survey, Abstract 214, Bowie County, Texas, being a part of that certain tract of land described as Tract 3 - Between Proposed 4th and 5th Street Parcel w/ 2123.097 acres in the deed from United States of America to Red River Redevelopment Authority, now known as TexAmericas Center, dated September 1, 2010, recorded in Volume 5898, Page 1 of the Real property Records in Bowie County, Texas, and being more particularly described by metes and bounds as follows:

COMMENCING at a 1/2 inch steel rod found for a corner, capped Texas MG 5760, the Southwest corner of the said 2123.097 acre tract;

THENCE North 00 degrees 00 minutes 00 seconds East a distance of 2532.02 feet and North 90 degrees 00 minutes 00 seconds East a distance of 6676.46 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the POINT OF BEGINNING;

THENCE North 00 degrees 33 minutes 45 seconds East a distance of 3190.24 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 89 degrees 35 minutes 37 seconds East a distance of 267.82 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00 said corner bears South 89 degrees 35 minutes 37 seconds East a distance of 100.01 feet, North 00 degrees 31 minutes 26 seconds West a distance of 2073.41 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00 (control monument), and North 43 degrees 04 minutes 14 seconds East a distance of 72.51 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, lying in the South line of that certain tract of land described as Tract 20 - Proposed 4th Street w/ 58.304 acres in the deed from United States of America to Red River Redevelopment Authority, now known as TexAmericas Center, dated September 1, 2010, recorded in Volume 5898, Page 1 of the Real property Records in Bowie County, Texas, the Northwest corner of that certain tract of land described as Tract Two (Area E), with 419.186 acres in the deed from TexAmericas Center to TAC East Holdings Company No. 1, dated July 28, 2015, recorded in Document No. 2015-8269 of the Real Property Records of Bowie County, Texas;

THENCE South 00 degrees 31 minutes 26 seconds East a distance of 3135.10 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, said corner bears North 80 degrees 51 minutes 21 seconds East a distance of 101.14 feet, South 00 degrees 31 minutes 26 seconds East (basis of bearings) a distance of 554.66 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00 (control monument), and South 50 degrees 15 minutes 44 seconds East a distance of 65.52 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Southwest corner of the said 419.186 acre tract;

THENCE South 80 degrees 46 minutes 43 seconds West a distance of 332.10 feet to the point of beginning and containing 21.621 acres of land, at the time of this survey.

This description is based on the survey and plat made by Jeffrey A. Wood, Registered Professional Land Surveyor No. 6220, on March 31, 2016.

Property Description - Tract No. 4
1.241 Acres
Bowie County, Texas

All that certain lot, tract or parcel of land lying and situated in the George W. Tiller Headright Survey, Abstract 569, and the William H. Fore Headright Survey, Abstract 214, Bowie County, Texas, being a part of that certain tract of land described as Tract 1 (Area V), with 646.998 acres in the deed from Texamericas Center to TAC East Holdings Company No. 1, dated July 28, 2015, recorded in Document No. 2015-8269 of the Real Property Records of Bowie County, Texas, and being more particularly described by metes and bounds as follows:

COMMENCING at a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Southwest corner of the said 646.998 acre tract;

THENCE North 00 degrees 35 minutes 27 seconds West a distance of 3211.52 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Northwest corner of the said 646.998 acre tract, North 00 degrees 00 minutes 00 seconds East a distance of 288.19 feet, North 90 degrees 00 minutes 00 seconds East a distance of 1072.88 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, and North 89 degrees 28 minutes 14 seconds East a distance of 240.46 feet to the POINT OF BEGINNING;

THENCE North 89 degrees 28 minutes 14 seconds East a distance of 362.68 feet to a point for a corner, at an angle point;

THENCE North 89 degrees 28 minutes 56 seconds East a distance of 563.23 feet to a point for a corner, at an angle point;

THENCE North 44 degrees 31 minutes 36 seconds East a distance of 99.07 feet to a point for a corner, at an angle point;

THENCE North 01 degrees 10 minutes 34 seconds West a distance of 162.45 feet to a point for a corner, at an angle point;

THENCE North 01 degrees 54 minutes 00 seconds East a distance of 114.34 feet to a point for a corner, at an angle point;

THENCE North 04 degrees 36 minutes 26 seconds East a distance of 145.77 feet to a point for a corner, at an angle point;

THENCE North 07 degrees 06 minutes 21 seconds East a distance of 70.51 feet to a point for a corner, at an angle point;

THENCE North 13 degrees 59 minutes 21 seconds East a distance of 86.35 feet to a point for a corner, at an angle point;

THENCE North 14 degrees 27 minutes 08 seconds East a distance of 45.25 feet to a point for a corner, lying in the North line of the said 646.998 acre tract;

THENCE North 89 degrees 21 minutes 11 seconds East a distance of 31.07 feet along the North line of the said 646.998 acre tract to a point for a corner;

THENCE South 14 degrees 27 minutes 08 seconds West a distance of 53.23 feet to a point for a corner, at an angle point;

THENCE South 13 degrees 59 minutes 21 seconds West a distance of 84.42 feet to a point for a corner, at an angle point;

THENCE South 07 degrees 06 minutes 21 seconds West a distance of 68.05 feet to a point for a corner, at an angle point;

THENCE South 04 degrees 36 minutes 26 seconds West a distance of 144.41 feet to a point for a corner, at an angle point;

THENCE South 01 degrees 54 minutes 00 seconds West a distance of 112.82 feet to a point for a corner, at an angle point;

THENCE South 01 degrees 10 minutes 34 seconds East a distance of 162.33 feet to a point for a corner, at an angle point;

THENCE South 00 degrees 25 minutes 44 seconds East a distance of 99.66 feet to a point for a corner;

THENCE South 89 degrees 28 minutes 56 seconds West a distance of 663.18 feet to a point for a corner, at an angle point;

THENCE South 89 degrees 28 minutes 14 seconds West a distance of 362.67 feet to the point of beginning and containing 1.241 acres of land, at the time of this survey.

This description is based on the survey and plat made by Jeffrey A. Wood, Registered Professional Land Surveyor No. 6220, on March 31, 2016.

Property Description - Tract No. 5
39.057 Acres
Bowie County, Texas

All that certain lot, tract or parcel of land lying and situated in the George W. Tiller Headright Survey, Abstract 569, and the William H. Fore Headright Survey, Abstract 214, Bowie County, Texas, being a part of that certain tract of land described as Tract 1 (Area V), with 646.998 acres in the deed from Texamericas Center to TAC East Holdings Company No. 1, dated July 28, 2015, recorded in Document No. 2015-8269 of the Real Property Records of Bowie County, Texas, and being more particularly described by metes and bounds as follows:

COMMENCING at a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Southwest corner of the said 646.998 acre tract;

THENCE North 00 degrees 35 minutes 27 seconds West a distance of 3211.52 feet to a 1/2 inch steel rod found for a corner, capped MTG 101011-00, the Northwest corner of the said 646.998 acre tract, North 00 degrees 00 minutes 00 seconds East a distance of 288.19 feet, and North 90 degrees 00 minutes 00 seconds East a distance of 1072.88 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00, at the POINT OF BEGINNING;

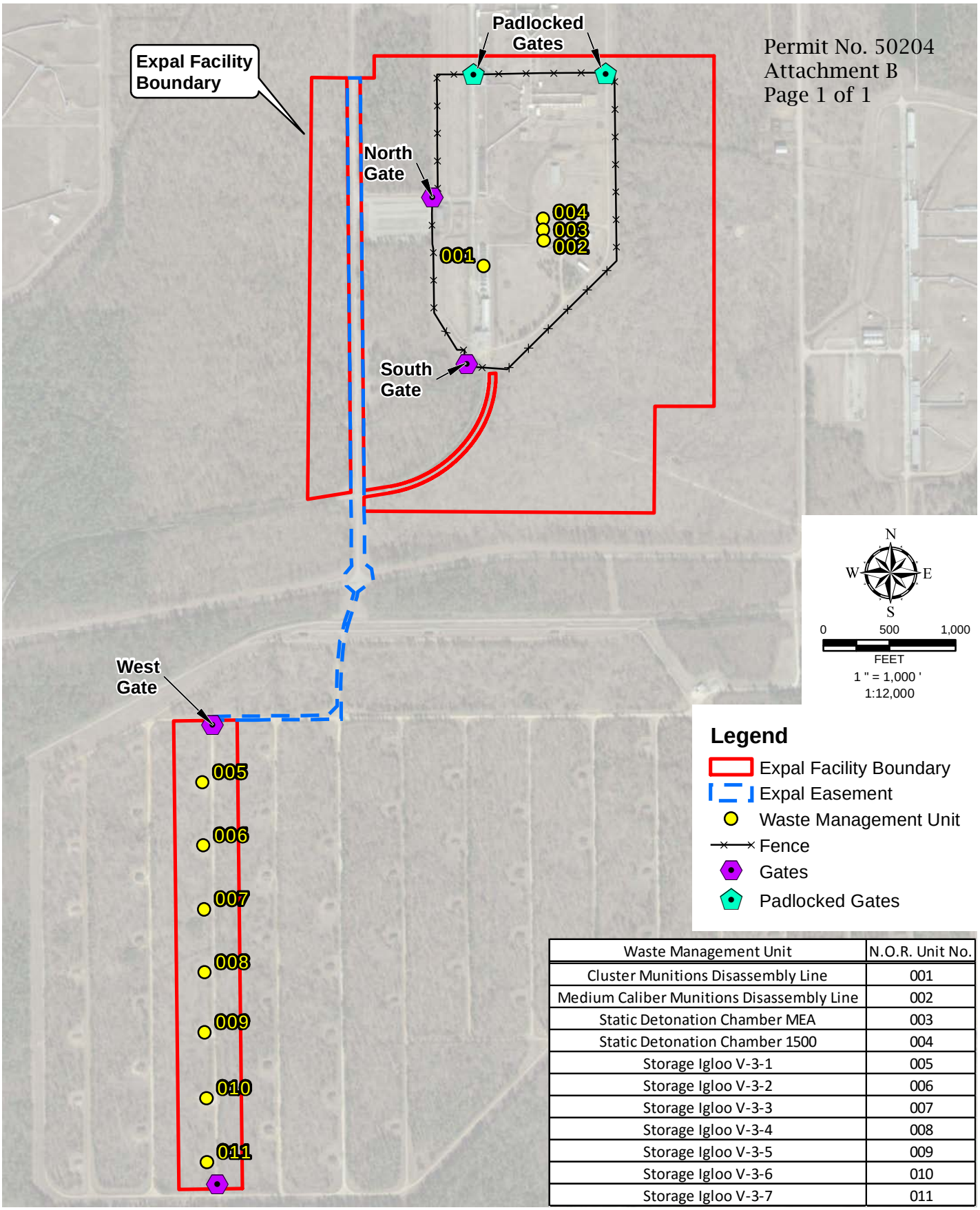
THENCE North 89 degrees 28 minutes 14 seconds East a distance of 480.00 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 00 degrees 36 minutes 21 seconds East a distance of 3544.06 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE South 89 degrees 23 minutes 39 seconds West a distance of 480.00 feet to a 1/2 inch steel rod set for a corner, capped MTG 101011-00;

THENCE North 00 degrees 36 minutes 21 seconds West a distance of 3544.70 feet to the point of beginning and containing 39.057 acres of land, at the time of this survey.

This description is based on the survey and plat made by Jeffrey A. Wood, Registered Professional Land Surveyor No. 6220, on March 31, 2016.



Waste Management Unit	N.O.R. Unit No.
Cluster Munitions Disassembly Line	001
Medium Caliber Munitions Disassembly Line	002
Static Detonation Chamber MEA	003
Static Detonation Chamber 1500	004
Storage Igloo V-3-1	005
Storage Igloo V-3-2	006
Storage Igloo V-3-3	007
Storage Igloo V-3-4	008
Storage Igloo V-3-5	009
Storage Igloo V-3-6	010
Storage Igloo V-3-7	011

Coterie ENVIRONMENTAL
1150 First Ave., Ste 501
King of Prussia, PA 19406

EXPAL USA, INC.
EXPAL - TEXARKANA FACILITY

FIGURE V.A.1.1
PLOT PLAN

DRAWN BY:	L WILSON
APPROVED BY:	H MCHALE
PROJECT NO:	RCRA 2016
FILE NO.	Plot Plan Expal 8x11.mxd
DATE:	AUGUST, 2016

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Printed By: Laurie on 8/25/2016, 14:19 PM

List of Incorporated Application Materials

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

TCEQ Part A Application Form

I. General Information
II. Facility Background Information
III. Wastes and Waste Management
IV. Index of Attachments

TCEQ Part B Application Form

I. General Information

A. Applicant Name
B. Facility Owner
C. Facility Contact
D. Application Type and Facility Status
E. Facility Siting Summary
F. Wastewater and Stormwater Disposition
G. Information Required to Provide Notice
H. TCEQ Core Data Form Requirements
I. Signature on Application

II. Facility Siting Criteria

A. Requirements for Storage or Processing Facilities, Land Treatment Facilities, Waste Piles, Storage Surface Impoundments, and Landfills
B. Additional Requirements for Land Treatment Facilities
C. Additional Requirements for Waste Piles
D. Additional Requirements for Storage Surface Impoundments
E. Additional Requirements for Landfills (and Surface Impoundments Closed as Landfills with Wastes in Place)
F. Flooding
G. Additional Information Requirements

III. Facility Management

A. Compliance History and Applicant Experience
B. Personnel Training Plan
C. Security
D. Inspection Schedule
E. Contingency Plan
F Emergency Response Plan

Table III.D. - Inspection Schedule
Table III.E.1. - Arrangements with Local Authorities
Table III.E.2. - Emergency Coordinators
Table III.E.3. - Emergency Equipment

IV. Wastes And Waste Analysis

A. Waste Management Information
B. Wastes Managed In Permitted Units
C. Sampling and Analytical Methods
D. Waste Analysis Plan

Table IV.A. - Waste Management Information
Table IV.B. - Wastes Managed in Permitted Units
Table IV.C. - Sampling and Analytical Methods

V. Engineering Reports

A. General Engineering Reports
B. Container Storage Areas
C. Tanks and Tank Systems (RESERVED)
D. Surface Impoundments (RESERVED)
E. Waste Piles (RESERVED)
F. Land Treatment Units (RESERVED)
G. Landfills (RESERVED)
H. Incinerators (RESERVED)
I. Boilers and Industrial Furnaces (RESERVED)
J. Drip Pads (RESERVED)
K. Miscellaneous Units
L. Containment Buildings

Table V.A. Facility Waste Management Handling Units
Table V.B. - Container Storage Areas
Table V.K.1. Miscellaneous Units
Table V.K.2. – Miscellaneous Units - Permit Conditions, Monitoring, and Automatic Waste Feed Cutoff Systems – Static Detonation Chambers (SDCs) Units #3 and #4
Table V.K.3. - Maximum Constituent Feed Rates – Static Detonation Chambers (SDCs) Units #3 and #4
Table V.K.4. - Maximum Allowable Emission Rates – Static Detonation Chambers (SDCs) Units #3 and #4
Table V.K.5. - Incinerator Permit Conditions, Monitoring, And Automatic Waste Feed Cutoff Systems - Short-term Operation – Static Detonation Chambers (SDCs) Units #3 and #4
Table V.K.8. - Principal Organic Hazardous Constituents - – Static Detonation Chambers (SDCs) Units #3 and #4

VI. Geology Report

A. Geology and Topography
B. Facility Groundwater
C. Exemption from Groundwater Monitoring for an Entire Facility
D. Unsaturated Zone Monitoring

VII. Closure And Post-Closure Plans

A. Closure
B. Closure Cost Estimate
C. Post-closure
D. Post-closure Cost Estimate
Closure and Post-Closure Cost Summary

Table VII.A. - Unit Closure
Table VII.B. - Unit Closure Cost Estimate
Table VII.E.1. - Permitted Unit Closure Cost Summary

VIII. Financial Assurance

A. Financial Assurance Information Requirements for all Applicants
B. Applicant Financial Disclosure Statements for a new permit, permit amendment, or permit modification, or permit renewal
C. Applicants Requesting Facility Expansion, Capacity Expansion, or New Construction

Information for Applicants Subject to Financial Capability Requirements
Table VIII. B. - Estimated Capital Costs

IX. Releases From Solid Waste Units And Corrective Action

A. Preliminary Review Checklists
For Applications for a New Hazardous Waste Permit
For Applications for a Renewal/Amendment/Modification of an Existing Hazardous Waste Permit
Instructions for Preliminary Review Facility Checklist
Instructions for Preliminary Review Unit Checklist (Continued)
Preliminary Review Facility Checklist
Preliminary Review Unit Checklist
Appendices to Preliminary Review (PR)

X. Air Emission Standards

A. Process Vents
B. Equipment Leaks
C. Tanks, Surface Impoundments, and Containers
D. “One - Stop” Permit s

XI. Compliance Plan (RESERVED)

XII Hazardous Waste Permit Application Fee

Table XII.A. – Hazardous Waste Units (For Application Fee Calculations)
Table XII.B. - Hazardous Waste Permit Application Fee Worksheet

XIII. Confidential Material

Attachment D: List of Permitted Facility Units

Authorized Permitted Units

TCEQ Permit Unit Number[1]	Unit Name	NOR No.[1]	Unit Description	Capacity	Unit Status[2]
1	Cluster Munitions Disassembly Line	001	Processing line used to disassemble munitions prior to thermal treatment	10,000 (lbs) total (5,000 lbs NEW[5]) 128 kg/hr NEW	Proposed
2	Medium Caliber Munitions Disassembly Line	002	Processing line used to disassemble munitions prior to thermal treatment	10,000 (lbs) total (5,000 lbs NEW[5]) 128 kg/hr NEW	Proposed
3	Static Detonation Chamber MEA	003	Thermal treatment unit used to destroy waste munitions	312 kg/hr total (28 kg/hr NEW)	Proposed
4	Static Detonation Chamber 1500	004	Thermal treatment unit used to destroy waste munitions	1,000 kg/hr total (100 kg/hr NEW)	Proposed
5	Storage Igloo V-3-1	005	Waste munitions storage bunker	300,000 lb total (200,000 lb NEW)	Proposed
6	Storage Igloo V-3-2	006	Waste munitions storage bunker	300,000 lb total (200,000 lb NEW)	Proposed
7	Storage Igloo V-3-3	007	Waste munitions storage bunker	300,000 lb total (200,000 lb NEW)	Proposed
8	Storage Igloo V-3-4	008	Waste munitions storage bunker	300,000 lb total (200,000 lb NEW)	Proposed
9	Storage Igloo V-3-5	009	Waste munitions storage bunker	300,000 lb total (200,000 lb NEW)	Proposed
10	Storage Igloo V-3-6	010	Waste munitions storage bunker	300,000 lb total (200,000 lb NEW)	Proposed
11	Storage Igloo V-3-7	011	Waste munitions storage bunker	300,000 lb total (200,000 lb NEW)	Proposed

Attachment D: List of Permitted Facility Units

Historical Permitted Units No longer Subject to this Permit[4]

TCEQ Permit Unit No.[1]	Unit Name	NOR No.[1]	Unit Description[3]	Capacity	Unit Status[2]

[1]Permitted Unit No. and NOR No. cannot be reassigned to new units or used more than once and all units that were in the Attachment D of a previously issued permit must be listed.
[2]Unit Status options: Active, Closed, Inactive (built but not managing waste), Proposed (not yet built), Never Built, Transferred, Post-Closure.
[3]If a unit has been transferred, the applicant should indicate which facility/permit it has been transferred to in the Unit Description column of Table V.A.
[4]The historical units are closed and/or no longer subject to RCRA permit requirements and are included in this table for informational purposes.
[5] NEW refers to net explosive weight.