PERMIT NO. HW-50292-001
EPA ID. NO. TXD7213821831
ISWR NO. 30991

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 (Vernon)

Name of Permittee:	US Department of the Army/Lone Star Army Ammunition Plant Highway 82 West Texarkana, Bowie County, Texas 75505-9101
Site Owner:	US Department of the Army/Lone Star Army Ammunition Plant Highway 82 West Texarkana, Bowie County, Texas 75505-9101
Registered Agent for Service:	Day & Zimmerman, Inc. Lone Star Division Highway 82 West Texarkana, Texas 75505-9100
Classification of Site:	Hazardous and Nonhazardous Class 1, Class 2, and Class 3 industrial solid waste storage, processing, and disposal on-site/off-site, noncommercial.

The permittee is authorized to manage wastes in accordance with the limitations, requirements, and other conditions set forth herein. This permit is granted subject to the rules of the Commission and other Orders of the Commission, and laws of the State of Texas. This permit does not exempt the permittee from compliance with the Texas Clean Air Act. This permit will be valid until canceled, amended, modified or revoked by the Commission, except that the authorization to store, process and dispose of wastes shall expire midnight, 10 years after the date of renewal permit approval. The permit was originally issued June 24, 1992.

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.

Margaret Hoffman

ISSUED: SEP 15 2003

For The Commission

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PERMIT SECTION I - FACILITY DESCRIPTION

A. SIZE AND LOCATION OF SITE

A permit is issued to US Department of the Army/Lone Star Army Ammunition Plant to operate a hazardous waste processing, storage, and disposal facility located adjacent to Highway 82 West, approximately 12 miles west of Texarkana, Texas and 9 miles east of New Boston, Texas, in Bowie County, Texas, drainage area of Segment 0302 in the Sulphur River Basin and Segment 0201 in the Red River Basin (North Latitude 33° 27' 35", West Longitude 94°14' 14"). The legal description of the facility submitted in permit No. HW-50292-001 application dated January 23, 2002 is hereby made a part of this permit as "Attachment A". The hazardous waste management facility as delineated by the permittee's application map is hereby made a part of this permit as "Attachment B".

B. INCORPORATED APPLICATION MATERIALS

This permit is based on, and the permittee shall follow the Part A and Part B Industrial and Hazardous Waste Application submittals dated January 23, 2002, December 18, 2002, March 4, 2003, April 30, 2003 and June 12, 2003, 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.

PERMIT SECTION II - GENERAL FACILITY STANDARDS

A. STANDARD PERMIT CONDITIONS

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

1. Modification of Permitted Facilities

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

[II.A.]

2. Duty to Comply

[30 TAC Section 305.142] The permittee must comply with all the conditions of this permit, except that the permittee need not comply with the conditions of this permit to the extent and for the duration such noncompliance is authorized in an emergency order issued by the Commission. Any permit noncompliance, other than noncompliance authorized by an emergency order, constitutes a violation of 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.

3. Severability

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

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

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

[II.A.6.]

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

"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. HW-50292-001, 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. HW-50292-001.".

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

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

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

(3) For all drawings and specifications, the date, signature, and seal of a Professional Engineer who is Licensed in the State of Texas.

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

[II.A.]

* 7. Land Disposal Restrictions

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

8. Dust Suppression

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

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.

B. RECORDKEEPING AND REPORTING REQUIREMENTS

1. Monitoring and Records

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

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

[II.B.1.]

c. [30 TAC Section 305.125(11)(B)] 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 3 years from the date of the sample, measurement, report, record, certification, or application.

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

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

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

(3) The dates analyses were performed;

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

(5) The analytical techniques or methods used; and

(6) The results of such analyses or measurements.

2. Operating Record

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

3. Retention of Application Data

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

4. Reporting of Noncompliance

The permittee shall report to the Executive Director of the TCEQ information regarding any noncompliance which may endanger human health or the environment. [30 TAC Section 305.125(9)]

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

[II.B.4.]

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

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

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

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

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

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

5. Twenty-Four Hour Reporting

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

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

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

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

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

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

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

(5) the extent of injuries, if any;

(6) an assessment of actual or potential hazards to the environment and human health or safety outside the facility, where this is applicable; and

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

[II.B.]

6. Notice Waiver

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

7. Biennial Report

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

8. Pollution Prevention

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

9. Waste Minimization

The permittee shall annually certify, by 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 (Not Applicable)

11. Manifest Discrepancy Report

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

[II.B.]

12. Unmanifested Waste Report

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

13. Monthly Summary

[30 TAC Section 335.15(2)] 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, Review, and Reporting Division on or before the 25th day of each month for waste received during the previous month.

C. INCORPORATED REGULATORY REQUIREMENTS

1. State Regulations

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

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

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

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

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

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

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

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

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

i. 30 TAC Section 335.152 (regarding standards);

[II.C.1.]

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

k. 30 TAC Sections 335.156 - 335.167 (regarding applicability of groundwater monitoring and corrective action requirements);

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

m. 30 TAC Sections 335.177 (regarding general performance standard);

n. 30 TAC Section 335.271-272 (regarding standards for management of military munitions);

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

p. 30 TAC Chapter 350: Texas Risk Reduction Program (TRRP).

2. Federal Regulations

To the extent applicable to the activities authorized by this permit, the following provisions of 40 CFR Part 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. Subpart B -- General Facility Standards;

b. Subpart C -- Preparedness and Prevention;

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

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

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

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

g. Subpart X -- Miscellaneous Units;

h. Subpart EE – Hazardous Waste Munitions and Explosives Storage;

i. 40 CFR Part 268 Land Disposal Restrictions

PERMIT SECTION III - FACILITY MANAGEMENT

A. OPERATION OF FACILITY

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

B. PERSONNEL TRAINING

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

C. SECURITY

1. The permittee shall provide a 24-hour surveillance system which continuously monitors and controls entry through the main entrance to the facility. In addition, the entire facility is fenced and posted with signs stating "US ARMY - RESTRICTED AREA - WARNING", and the perimeter is regularly patrolled.

2. The permittee shall provide and maintain an artificial or natural barrier which completely surrounds the active waste management portions of the facility and shall have a means to control entry, at all times, through gates or other entrances to these same facility areas, with the exception of the High Explosive Burning Grounds (HEBG) and High Explosive Detonation Grounds (HEDG), which are posted with warning signs printed so that they may be clearly read from a distance of at least 25 feet, and shall state "Danger - NO UNAUTHORIZED PERSONNEL".

D. GENERAL INSPECTION REQUIREMENTS

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

E. CONTINGENCY PLAN

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

[III.E.]

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, 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 numbers 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.

[III.]

F. SPECIAL PERMIT CONDITIONS

1. The permittee shall complete the design and construction and have in operation a run-off retention basin capable of handling the 24 hour/25 year storm run-off prior to midnight September 30, 2004 at the HEDG for continued operation of this unit.

PERMIT SECTION IV - WASTES AND WASTE ANALYSIS

A. WASTE ANALYSIS PLAN

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

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 and disposal include those generated from facility sources and from off-site sources.

2. Hazardous Waste Received From Off-Site Sources

   The permittee may receive hazardous or nonhazardous waste from off-site Department of Defense facilities, when the waste is sent to the facility sent for disassembly and destruction.

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

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

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

   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. Municipal garbage; or

[IV.B.3.]

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

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

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

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

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

C. SAMPLING AND ANALYTICAL METHODS

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

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

PERMIT SECTION V - AUTHORIZED UNITS AND OPERATIONS

A. AUTHORIZED UNITS

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

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

[V.A.]

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 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 and their approved waste types are shown in Table V.B. - Container Storage Areas. The permittee is authorized to operate the facility container storage areas for storage subject to the limitations contained herein.

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

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

C. TANKS AND TANK SYSTEMS (Not Applicable)

D. SURFACE IMPOUNDMENTS (Not Applicable)

E. WASTE PILES (Not Applicable)

F. LAND TREATMENT UNITS (Not Applicable)

G. LANDFILLS (Not Applicable)

H. INCINERATORS (Not Applicable)

I. BOILERS (Not Applicable)

J. DRIP PADS (Not Applicable)

[V.]

K. MISCELLANEOUS UNITS

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

2. Miscellaneous units shall be managed in accordance with 40 CFR 264.601, Environmental performance standards; 40 CFR 264.602, Monitoring, analysis, inspection, response, reporting, and corrective action; and 40 CFR 264.603, Post-closure care.

3. The miscellaneous units may commence operations 30 minutes after sunrise and continue until 30 minutes before sunset, as defined in 30 TAC 111.203(6). Actual thermal treatment shall comply with regulations set forth in 30 TAC 111.219.

4. Operations at these units will be regulated by the air permitting provisions set forth in Attachment E.

L. CONTAINMENT BUILDINGS (Not Applicable)

PERMIT SECTION VI - GROUNDWATER DETECTION MONITORING (Not applicable, Refer to Compliance Plan)

All groundwater monitoring at permitted units at the time of permit renewal falls under the Compliance Plan, CP-50292, thus no detection monitoring requirements are included in the permit.

PERMIT SECTION VII - CLOSURE AND POST-CLOSURE REQUIREMENTS

A. FACILITY CLOSURE

1. The permittee shall follow the Closure Plan, developed in accordance with 40 CFR Part 264 Subpart G, and contained in the permit application submittals identified in Provision I.B. (Incorporated Application Material) except as modified in Provision VII.F. of this permit.

Additionally, facility closure shall also commence:

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

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

c. Upon abandonment of the site.

[VII.A.]

2. Request for Permit Modification or Amendment

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

3. Time Frames for Modification\Amendment Request Submittal

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

4. Closure Notice and Certification Requirements

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

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

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

6. As per the requirements of 40 CFR 264.115, within 60 days of completion of closure of each permitted hazardous waste surface impoundment, or landfill unit, and within 60 days of the completion of final closure, the permittee shall submit to the Executive Director, by registered mail, with a copy to the TCEQ Regional Office, a certification that the hazardous waste management unit or facility, as applicable, has been closed in accordance with the specifications in the approved Closure Plan and this permit. The certification, which shall be signed by the permittee and by an independent professional engineer licensed in 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 350.32 (Texas Risk Reduction Program (TRRP) Remedy Standard A (RSA)) and 30 TAC Section 350.33 (TRRP, Remedy Standard B (RSB)) and 30 TAC Section 350.95 (Response Action Completion Report (RACR)). Documentation supporting the independent licensed professional engineer's certification shall be furnished to the Executive Director upon request.

[VII.A.]

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 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 Part 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 at an authorized off-site facility.

10. All contaminated equipment/structures, liners, dikes, and soils (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.

11. All hard-surfaced areas within the hazardous waste management unit areas shall be decontaminated and the wash water generated treated and/or disposed 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 *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*, SW-846, 1987, as revised; *Standard Methods for the Examination of Water and Wastewater, Fifteenth Edition, 1980, and 1981 supplement, or current adopted edition; RCRA Ground-Water Monitoring: Draft Technical Guidance, 1992*, OSWER Directive 9950.1. Equivalent or modified methods, must be specified in the 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.

[VII.]

15. Decontamination shall be deemed complete when no visible evidence of contamination is observed and when the results from verification sampling and analyses indicate wash water concentrations and/or soil concentrations are below the applicable critical Protective Concentration Level (PCL) for Remedy Standard A. If the underlying soils are decontaminated or removed to the PCL for Remedy Standard A, Commercial/Industrial Land use, the permittee shall comply with the institutional controls requirements of 30 TAC Section 350.111 as required.

B FINANCIAL ASSURANCE FOR CLOSURE (FEDERAL FACILITY -Not Applicable)

C. STORAGE, PROCESSING, AND COMBUSTION UNIT CLOSURE REQUIREMENTS

The permittee shall close the storage and processing units identified as TCEQ Permit Unit Nos. 001, 003, 004, 005, 006, 007, 009, 010, 013, 014, 015, and 016 in accordance with the approved Closure Plans, 40 CFR Part 264, Subpart G, 40 CFR 264.178, and the Texas Risk Reduction Program of 30 TAC Chapter 350.

D. SURFACE IMPOUNDMENT CLOSURE REQUIREMENTS (Not Applicable)

E. LANDFILL CLOSURE AND CERTIFICATION REQUIREMENTS (Not Applicable)

F. CONTAINMENT BUILDINGS CLOSURE REQUIREMENTS (Not Applicable)

G. FACILITY POST-CLOSURE CARE REQUIREMENTS

For each hazardous waste management unit which is closed as a landfill , the permittee shall conduct post-closure care of the unit for a period of at least 30 years after certification of closure of each respective unit. The post-closure period for each closed unit is specified in Table VII.G - Post-Closure Period. Post-closure care shall be performed in accordance with the Post-Closure Plans referenced in Provision I.B., 40 CFR 264.117, and the following requirements:

1. Maintain all storm water conveyance structures in good functional condition.

2. Maintain the cover on the North Area G-Ponds and the South Area O-Ponds, as applicable, such that the cover promotes drainage, prevents ponding, minimizes surface water infiltration, and minimizes erosion of the cover. Any desiccation cracks, erosion, gullying, or other damage shall be repaired upon observance.

3. Maintain a self-sustaining vegetative cover on the capped areas by periodic seeding, fertilizing, irrigation, and/or mowing.

4. Maintain all benchmarks at the facility.

5. Maintain the facility perimeter fence, manned or locked gates, and warning signs in good functional condition.

[VII.G.]

6. Ensure that all entrances to the facility have manned or locked gates.

7. Ensure that the TCEQ has access to the facility.

8. Prepare and submit the Biennial Report required by Provision II.B.7.

9. Perform all ground-water monitoring and related activities specified in Compliance Plan CP-50292 and in Provision VI. of the permit.

10. Submit the Post-Response Action Care Plan required by 30 TAC 350.33(k).

11. General Post-Closure Requirements

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 Post-Closure Plan(s) in accordance with 40 CFR 264.118 (d)(2). The written request shall include a copy of the amended Post-Closure Plan(s) for approval by the Executive Director.

Time Frames for Modification/Amendment Request
The permittee shall submit a written request for a permit modification or amendment in accordance with the time frames in 40 CFR 264.118 (d)(3).

12. Post -Closure Notice and Certification Requirements

No later than 60 days after completion of the established post-closure period for each unit, the owner or operator shall submit to the Executive Director, by registered mail with a copy to the TCEQ Regional Office, a certification that the post-closure period for the unit was performed in accordance with the specifications of the approved Post-Closure Plan and this permit. The certification shall be signed by the permittee and a registered professional engineer. Documentation supporting the independent registered professional engineer's certification must be furnished to the Executive Director upon request until the Executive Director releases the owner or operator from the financial assurance requirements for post-closure under 40 CFR 264.145 (i).

H. FINANCIAL ASSURANCE FOR POST-CLOSURE (NOT APPLICABLE)

PERMIT SECTION VIII - LIABILITY REQUIREMENTS (NOT APPLICABLE)

PERMIT SECTION IX - CORRECTIVE ACTION FOR SOLID WASTE MANAGEMENT UNITS

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

If a solid waste management unit (SWMU) or area of contamination not previously addressed in the RCRA Facility Investigation (RFI) dated June, 1995, or any release of hazardous waste or hazardous constituents that may have occurred from any SWMU and/or AOC, is discovered subsequent to issuance of this permit, the permittee shall notify the Executive Director in writing within fifteen (15) days of the discovery. Within forty-five (45) days of such discovery, the permittee shall submit an RFA for that unit or release which shall be based on U.S. EPA 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 Provision IX.B. of this permit.

B. CORRECTIVE ACTION OBLIGATIONS (REFER TO COMPLIANCE PLAN)

C. UNITS REQUIRING INVESTIGATION (REFER TO COMPLIANCE PLAN)

D. VARIANCE FROM INVESTIGATION (REFER TO COMPLIANCE PLAN)

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

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

G. COMPLIANCE PLAN

The permittee shall follow the Compliance Plan, CP-50292, developed in accordance with 30 TAC 335.156 - 335.167. The Compliance Plan is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the compliance plan shall become provisions and conditions of this permit upon the date of approval by the Commission.

PERMIT SECTION X - AIR EMISSION STANDARDS

A. PROCESS VENTS AND EQUIPMENT LEAKS (NOT APPLICABLE)

**B. REQUIREMENTS FOR SUBPART CC

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

TABLE III.D. INSPECTION SCHEDULE

Facility Unit(s) and Basic Elements	*Possible Error, Malfunction, or Deterioration*	*Frequency of Inspection*
High Explosive Demolition Ground (004)	Fire extinguisher inadequate	Daily (when in operation)
	Telephone not working	Daily (when in operation)
	Vehicle radio not working	Daily (when in operation)
	Demolition ground managed/contoured to promote run-off	Daily (when in operation)
	Flag needs repair	Daily (when in operation)
	Evidence of ejected clods/debris	Daily (when in operation)
	Warning signs need repair	Daily (when in operation)
	Office unlocked when left unattended	Daily (when in operation)
	Operating record incorrect/not current	Daily (when in operation)
	Inspection log incorrect/not current	Daily (when in operation)
Retention/Sedimentation Basin	Retention/Sedimentation basin capacity check	Quarterly as drainage permits
	Retention/Sedimentation basin structural features damage	Quarterly as drainage permits
High Explosive Burning Ground Pad 1 (066)	Debris on clay pad or in field	Prior to burn/Weekly
	Pan leaking water	Prior to burn/Weekly
	Pan not cleaned	Prior to burn/Weekly
	Lid not in place after pan cooled	Prior to burn/Weekly
	Fire extinguisher inadequate	Prior to burn/Weekly
	Telephone not working	Prior to burn/Weekly
	Lacks clean-up material	Prior to burn/Weekly

TABLE III.D. INSPECTION SCHEDULE (CONTINUED)

	Water in pan	Prior to burn/Weekly
	Unburned material left uncovered	Prior to burn/Weekly
	Damaged pan/refractory	Prior to burn/Weekly
	Damaged lid	Prior to burn/Weekly
	Water in secondary containment (Pan E only)	Prior to burn/Weekly
	Drain valve closed on secondary containment (Pan E only)	Prior to burn/Weekly
High Explosive Burning Ground Pad 2 (067)	Debris on clay pad or in field	Prior to burn/Weekly
	Pan leaking water	Prior to burn/Weekly
	Pan not cleaned	Prior to burn/Weekly
	Lid not in place after pan cooled	Prior to burn/Weekly
	Fire extinguisher inadequate	Prior to burn/Weekly
	Telephone not working	Prior to burn/Weekly
	Lacks clean-up material	Prior to burn/weekly
	Water in pan	Prior to burn/Weekly
	Unburned material left uncovered	Prior to burn/Weekly
	Damaged pan/refractory	Prior to burn/Weekly
	Damaged lid	Prior to burn/Weekly
	Water in secondary containment	Prior to burn/weekly
High Explosive Burning Ground Pad 3 (068) High Explosive Burning Ground Pad 4 (069)	Debris on clay pad or in field	Prior to burn/Weekly
	Pan leaking water	Prior to burn/Weekly
	Pan not cleaned	Prior to burn/weekly

TABLE III.D. INSPECTION SCHEDULE (CONTINUED)

Facility Unit(s) and Basic Elements	*Possible Error, Malfunction, or Deterioration*	*Frequency of Inspection*
	Lid not in place after pan cooled	Prior to burn/Weekly
	Fire extinguisher inadequate	Prior to burn/Weekly
	Telephone not working	Prior to burn/Weekly
	Lacks clean-up material	Prior to burn/Weekly
	Water in pan	Prior to burn/Weekly
	Unburned material left uncovered	Prior to burn/Weekly
	Damaged pan/refractory	Prior to burn/Weekly
	Damaged lid	Prior to burn/Weekly
HWCSF - High Explosive Burning Ground (011)	Refer to Inspection Log (in Part B Application)	Weekly
HWCSF - XX-97 (020)	Refer to Inspection Log (in Part B Application)	Weekly
HWCSF - Building A-8 (005)	Refer to Inspection Log (in Part B Application)	Weekly
HWCSF - P-82	Refer to Inspection Log (in Part B Application)	Daily/Weekly
HWCSF - T-3-2 (013)	Refer to Inspection Log (in Part B Application)	Weekly
HWCSF - T-2-1 (015)	Refer to Inspection Log (in Part B Application)	Weekly
HWCSF - T-4-2 (016)	Refer to Inspection Log (in Part B Application)	Weekly
North Area G Ponds/Cap System (Closed)	Refer to Inspection Log (in Part B Application)	Quarterly
South Area O Ponds/Cap System (Closed)	Refer to Inspection Log (in Part B Application)	Quarterly
GW Monitoring Wells (Plant Wide) - Visual	Refer to Inspection Log (in Part B Application)	Semi-Annual
Bench Marks (Plant Wide) - Visual	Refer to Inspection Log (in Part B Application)	Semi Annual

TABLE III.E. EMERGENCY EQUIPMENT

EQUIPMENT	LOCATION	PHYSICAL DESCRIPTION	CAPABILITIES
Tanker Trucks	Plant Maintenance Dept	1000 & 5000 gallon	Collect & transfer fluids
Portable Pumps	Plant Maintenance Dept	0-200 gpm	Transfer liquids
Heavy Equipment	Plant Maintenance Dept	Bulldozer, back-hoe, excavator, dump truck	Temporary dams, earth excavation, etc.
Light Equipment	Plant Maintenance Dept	Hoe, shovel, rake, pick, ax, etc.	Hand work
Absorbents	A-8, I-32, I-61	Pads/oil - A-8, absorbents/PCBs - A-8, Oil dry - I-32, Sawdust - I-61, Sand - A-8, Imhiber beads - A-8, Vermiculite - A-8	Spill clean-up (liquids)
Chemicals	P-82, P-78, D-1	Sodium metabisulfite - P-82, Soda ash - P-78, Activated carbon - D-1	Spill treatment
Miscellaneous Materials	I-61	Plywood, visqueen, lumber	Containment & covers
Pumper Trucks (2)	I-71 (Plant Fire Station)	1000 gpm pump	Emergency response
Brush Truck	I-71 (Plant Fire Station)	300 gallon tank with 250 gpm pump, contains rescue equipment	Emergency response
Tanker Truck	I-71 (Plant Fire Station)	1200 gallon tank with 250 gpm pump	Emergency response
Ambulance	I-71 (Plant Fire Station)	Equipped for emergency response and transport	Emergency response
Ambulance	I-71 (Plant Fire Station)	Equipped for transport only	Transport of injured persons

TABLE IV.B WASTE MANAGED IN PERMITTED UNITS

No.	Waste	EPA Waste Codes	TNRCC Waste Codes Form Codes and Classification Codes
2031	Ash from thermal treatment of waste explosives with HM HEBG Pad #2	D005, D006, D007, D008, D009, F002, F003, F005	2031304H
2032	HEBG Pads 1, 2, 3, & 4 ash from tests	D005, D006, D007, D008, D009, F002, F003, F005	2032304H
2033	Ash from HEBG Pads 1, 3, & 4	Non-hazardous	20333041
2034	Ash from HEBG Pads 1, 3, & 4	Non-hazardous	20343042
2038	Batteries or battery parts	D002, D006, D007, D008	2038309H
2039	Spent solid filters or absorbents	D007, D008, F002, F003	2039310H
2040	Asbestos contaminated material	Non-hazardous	20403111
2041	Asbestos	Non-hazardous	20413111
2042	Cyanide bearing wastes inert molding powder	D001, D005	2042312H
2043	Explosive scrap with heavy metals	D003, D005, D007, D008, D009, D030	2143315H
2044	Chem lab QA explosive waste with HM	D003, D005, D007, D008, D009, D030	2044315H
2045	Excess/reject ammunition w/HM	D003, D005, D007, D008, D009, D030	2045315H
2046	Explosive contaminated solids w/HM	D003, D005, D007, D008, D009, D030	2046315H
2047	Ammunition test samples HM	D003, D005, D007, D008, D009, D030	2047315H
2048	Equipment/materials w/HM for decontamination	D003, D005, D007, D008, D009, D030	2048315H
2049	Lab waste, oxidizer	D001, D005, D008	2049315H
2050	Demilitarization of ammunition items w/HM	D003, D005, D007, D008, D009, D030	2050315H
2051	Lead contaminated waste, solid, plastic, & metal	D008	2051319H
2052	Chemicals, solid, inorganic out of date	D002, D005, D007, D008, D009, D011,P068	2052319H
2053	Earth drill cuttings	Non-hazardous	20533192
2054	Empty or crushed glass containers	Non-hazardous	20543882
2055	Non-hazardous concrete/cement/construction debris	Non-hazardous	20553902
2056	Electrical transformer carcasses	Non-hazardous	20563941
2058	Anthrafilt, explosive contaminated	D003, K045	2058404H
2059	Carbon, activated spent – from pinkwater	K045	2059404H
2060	Carbon, activated spent	Non-hazardous	20604041
2061	Spent carbon (anthrafilt)	Non-hazardous	20614041
2062	Ammunition test samples w/o HM	D003	2062405H
2063	Equipment material w/o HM for decontamination	D003	2063405H
2064	Explosive contaminated solids w/o HM	D003	2064405H
2065	Excess/reject ammunition w/o HM	D003	2065405H
2066	Chem lab QA explosive waste w/o HM	D003	2066405H
2067	Demilitarization of ammunition w/o HM	D003	2067405H
2068	Explosive scrap w/o HM	D003	2068405H

TABLE IV.B WASTE MANAGED IN PERMITTED UNITS

No.	Waste	EPA Waste Codes	TNRCC Waste Codes Form Codes and Classification Codes
1000	Unused material from production and maintenance operations	Non-hazardous	10000011
2000	Sand blasting media from sandblasting operations	Non-hazardous	20003892
2001	Chemical out of date	D001, D002, D005, D006, D007, D008, D009, D018, D035, P022, P098, U003, U044, U105, U106, U112, U122, U133, U134, U151, U159, U220	2001009H
2002	Deluge water with paint related materials	D001, D007, D008, F002, F003, F005,	2002101H
2003	Coolant – Trimsol	D001, D007, D008, F002, F003, F005	2003101H
2004	Lab waste, liquid – COD	D002, D007, D009, D011	2004103H
2005	Lab waste, liquid – TKN	D002, D008, D009	2005106H
2007	Pink/red water from TNT	K047	2007112H
2008	Wastewater, pyrotechnic	D003, D005, D007, D008	2008112H
2009	RDX wastewater (cyclonite)	D003	2009112H
2010	Wastewater containing lead before treatment	D003, D008	2010112H
2011	Purge water from groundwater monitor wells	Non-hazardous	20111141
2012	Solvents, spent - halogenated	D001, F002	2012202H
2013	Chemicals, organic liquid halogenated, out of date*	U044, U077, U080, U210, U211, U226, U228	2013202H
2014	Chemicals, organic liquid nonhalogenated, out of date*	U002, U019, U031, U057, U112, U154, U159, U161, U188, U196, U220, U239	2014202H
2015	Acetone and Adhesive	F003	2015203H
2016	Solvents - spent nonhalogenated	D001, D006, D007, F003, F004, F005	2016203H
2019	Oil, heavy metal contaminated	D001, D006, D007, D008, D018, F002, F003, F005	2019206H
2020	PCB contaminated liquids (<50 ppm)	Non-hazardous	20202061
2021	Paint and solvents	D001, D007, D008, D009, D035, F002, F003, F005	2021209H
2022	Stoddard solvent, spent	Non-hazardous	20222111
2023	Acetone with Comp A5	D003, F003	2023219H
2024	Solvent, explosive contaminated	D001, D003, D005, D007, D008, F002, F003, F005	2024219H
2025	Inks and solvents	D001, D007, D008, F002, F003, F005	2025219H
2026	PCB contaminated liquids (≥50 ppm - <500 ppm)	Non-hazardous	20262971
2027	PCB contaminated liquids (≥500 ppm)	Non-hazardous	20272981
2028	Soil contaminated with organics*	D018, F002, F003, F005	2028830H
2029	Soil contaminated with explosives	D003, D005, D007, D008	2029301H
2030	Soil contaminated with inorganics**	D002, D005, D007, D008	2030302H

TABLE IV.B WASTE MANAGED IN PERMITTED UNITS

No.	Waste	EPA Waste Codes	TNRCC Waste Codes Form Codes and Classification Codes
2070	Solvent contaminated solid material w/ HM	D001, D005, D006, D007, D008, F003, F005	2070409H
2071	Wood/lumber scrap - wood pallets	Non-hazardous	20714882
2072	Wood construction debris	Non-hazardous	20724882
2073	Wood crates, pallets and boxes treated w/ chemicals	Non-hazardous	20734881
2074	PCB contaminated solids (<50 ppm) - rags, gloves, wood, etc.	Non-hazardous	20744891
2076	Wastewater treatment sludge with HM - lead sludge	D008, D009, K046	2076319H
2077	Wastewater treatment sludge with HM - chrome sludge	D007, D008	2077504H
2078	Sump sludge explosive w/HM	D003, D005, D007, D008, D009	2078509H
2079	Sump sludge explosive w/o HM	D003, D030	2079509H
2080	Diatomaceous earth, contaminated	K044	2080509H
2081	Wet scrubber, explosive	D003	2081511H
2082	Vehicle washing sludge, external washrack	D006, D008, D018	2082519H
2083	Vehicle washing sludge, external washrack	Non-hazardous	20835191
2084	Paint sludge	D001, D006, D007, D008, D009, F002, F003, F005	2084604H
2085	Waste grease, lubricants	Non-hazardous	20856961
2087	Plant production refuse, general misc. - production	Non-hazardous	20879022
2089	Blasting media with lead based paint	D007, D008	2089319H
2090	Non-hazardous surface preparation blasting media	Non-hazardous	20903891
2091	Petroleum contaminated solids	Non-hazardous	20914891
2092	Petroleum contaminated solids	Non-hazardous	20924892
2093	Absorbent materials contaminated with petroleum related products/clean up of spills	D001, D018	2093409H
2094	Paint and paint related materials	D001, D007, D008,	2094409H
2095	Solids contaminated with solvents	D001, D007, D008, D009	2095409H
2096	Used fluorescent light tubes and mercury vapor bulbs	D009	2096319H
2098	Ethylene glycol based antifreeze	Non-hazardous	20982961
2101	Boiler tube and drum residue	Non-hazardous	21013191
2102	Boiler tube and drum residue	Non-hazardous	21023192
2103	Mercury contaminated manufactured articles	D009	2103319H
2104	Mercury contaminated wastewater	D009	2104119H
2105	Spent carbon (anthrafilt) from laundry operations	Non-hazardous	21054042
2106	Solid materials contaminated w/ HM and halogenated solvents	D005, D006, D007, D008, D009, F002	2106407H
2107	Solid materials contaminated w/ HM and non-halogenated solvents	D005, D006, D007, D008, D009, F003, F005	2106407H

TABLE IV.B WASTE MANAGED IN PERMITTED UNITS

No.	Waste	EPA Waste Codes	TNRCC Waste Codes Form Codes and Classification Codes
2108	Solid materials contaminated w/ halogenated solvents w/o HM	F002	2108407H
2109	Solid materials contaminated w/ non-halogenated solvents w/o HM	F003, F005	2109409H
2110	Chemicals, solids, inorganics, out-of-date	Non-hazardous	21103192
2111	Solids contaminated w/ halogenated solvents, paints, and inks containing HM	D001, D005, D007, D008, D009, F002	2111407H
2112	Plant office and production waste trash	Non-hazardous	21129992
2113	Coolant used in metal cutting operations	Non-hazardous	21131142
2114	Transformer Carcasses w/>500 ppm PCB	Non-hazardous	21143951
2115	Solids (rags, plastic, etc.) w/>500 ppm PCB	Non-hazardous	21154951
2116	Liquids & rinsate f/RI site closure	Non-hazardous	21161192
2120	Liquids & rinsate f/RI site closure	D006	2120119H
2123	Washrack sludge	Non-hazardous	21235192
2124	Used paint w/o metals	D001, F002, F003, F005	2124209H
2125	Soil & Clay sorbent w/petroleum & HM	D004, D006, D007, D008	2125489H
2126	Coolant (Trimsol) f/metal cutting operations, non-hazardous	Non-hazardous	21261141
2127	GW monitoring well development water	Non-hazardous	21271142
2128	Chemicals, solid, inorganic, off spec.	Non-hazardous	21283191
2129	Non-halogenated solvent & adhesive, grease, oil, etc.	Non-hazardous	21292031
2130	PCB contaminated solids (soil, debris f/spills) >50<500 ppm	Non-hazardous	21304941
2131	Inorganic sludge f/wastewater treatment	Non-hazardous	21315191
2132	Mercury Sludge	D009	2132504H
2133	Soil contaminated with explosive residue spill cleanup	Non-hazardous	21333012
2134	Used M13A2 filter elements (M17CB Protective Mask)	D007	2134310H
2135	HEBG Pad 1,3 & 4 Residue with heavy metal	D005, D006, D007, D008, D009, D010	2135304H
2136	Chemical, Inorganic (off spec)	D002	2136119H
2138	Waste water contaminated with inorganics	Non-hazardous	21381022
2139	Cutting fluid from metal working operations	Non-hazardous	21391141
2140	Metal fines/dirt with coolant from metal working	D001, D007, D008, F002, F003, F005	2140319H
2141	Ash and debris from Area Q containing asbestos and class I heavy metals	Non-hazardous	21413041
2142	Ash and debris from Area Q containing asbestos and heavy metals	D008	2142304H
2143	Ash and debris from Area Q containing asbestos	Non-hazardous	21433041
2144	Misc organic fabrics and packing material	Non-hazardous	21444092
2145	Solids contaminated with petroleum	D001	2145489H
2146	Wastewater with low solvents	Non-hazardous	21461012
2147	Aerosols discarded with chemicals	D001	2147801H

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
1000	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated if MSDS inadequate	See MSDS	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2000	At Storage Location	Refer to the appropriate SW-846 Method	Each drum will be analyzed	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	Each drum will be analyzed	TCLP, Lead, Cadmium, Chromium, Barium	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
2001	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Reactive Sulfide	7.3.3.2 7.3.4.2	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Reactive Cyanide	7.3.3.2 7.3.4.2	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	GC Scan	8000	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	GC - MS	8270, 625, 1625	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Acid Digestion	3030	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	TCLP Metals	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Nickel	7520, 6010A 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Thallium	7840, 6010A, 200 Series, 200.7	Refer to the appropriate SW-846 Method
2002	N/A	N/A	N/A	N/A	N/A	N/A
2003	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	Nickel	7520, 6010A, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	TCLP Metals	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	**F Listed Solvents** Methylene Chloride 1,1,1-Trichloroethane	8010, 8260, 601, 624	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	Acetone N-Butyl Alcohol Methyl Isobutyl Ketone Methyl Ethyl Ketone	8015	Refer to the appropriate SW-846 Method

[1] from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	Toluene	8020	Refer to the appropriate SW-846 Method
2004	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	TCLP Metals, Barium, Cadmium, Chromium, Lead, Mercury & Silver	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
2005	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When the process changes	TCLP Metals, Chrome, Lead & Mercury	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
2007	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	As required for TPDES Permit renewal	pH	9040, 9045	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	As required for TPDES Permit renewal	RDX, TNT, HMX	DZ-7, 8330 HPLC or GC	Refer to the appropriate SW-846 Method
2008	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Sulfide	9030, 376.1	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Cyanide	9010, 335.2	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Phenols	9065, 420.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Chromium	7000 Series/6010 6010A, 218.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Lead	7000 Series/6010 6010A, 239.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Nickel	7000 Series/6010 6010A, 249.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Zinc	7000 Series/6010 6010A, 289.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Chlorinated Hydrocarbons	8120, 8270, 612 or 601	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes	Mirex	8270	Refer to the appropriate SW-846 Method
2009	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	pH	9040, 9045	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	RDX, TNT, HMX	DZ-7, 8330 HPLC or GC	Refer to the appropriate SW-846 Method
2010	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method

[1] from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Ammonia	350.2	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Organic Nitrogen	351.3	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	COD	410.4	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Aluminum	7020, 202.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Oil & Grease	9070, 9071, 413.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Antimony	7000 Series/6010, 204.2	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Chromium	7000 Series/6010 6010A, 218.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Lead	7000 Series/6010 6010A, 239.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Nickel	7000 Series/6010 6010A, 249.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Zinc	7000 Series/6010 6010A, 289.1	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2011	At Generation or Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	The components/parameters to be analyzed depends on the area each monitor well is monitoring and the analytical history of the well.	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2012	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
2013	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	GC Scan	8000	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	GC - MS	8270, 625, 1625	Refer to the appropriate SW-846 Method
2014	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	GC Scan	8000	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	GC - MS	8270	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2015	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	**F Listed Solvents** Methylene Chloride 1,1,2-Trichloro - 1,2,2-trifluoroethane 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Acetone N-Butyl Alcohol Ethyl Acetate Methanol Methyl Isobutyl Ketone Carbon Disulfide Isobutanol Methyl Ethyl Ketone Ethyl Ether	8015	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Ethyl Benzene, Xylene, Toluene	8020	Refer to the appropriate SW-846 Method
2016	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520 6010A	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	**F Listed Solvents** Methylene Chloride 1,1,2-Trichloro - 1,2,2-trifluoroethane 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Acetone N-Butyl Alcohol Ethyl Acetate Methanol Methyl Isobutyl Ketone Carbon Disulfide Isobutanol Methyl Ethyl Ketone Ethyl Ether	8015	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Ethyl Benzene, Xylene, Toluene	8020	Refer to the appropriate SW-846 Method
2019	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Total Halides	9020	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520, 6010A, 200 Series, 200.7	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Thallium	7840, 6010A, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	TCLP Procedure	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Benzene	8020 or 8260	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	PCBs	8080, 608	Refer to the appropriate SW-846 Method
2020	When waste is generated	Refer to the appropriate SW-846 Method	Prior to disposal	PCB	8080, 608	Refer to the appropriate SW-846 Method
2021	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520, 6010A, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2022	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	**F Listed Solvents** Methylene Chloride 1,1,2-Trichloro - 1,2,2-trifluoroethane 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Acetone N-Butyl Alcohol Ethyl Acetate Methanol Methyl Isobutyl Ketone Carbon Disulfide Isobutanol Methyl Ethyl Ketone Ethyl Ether	8015	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Ethyl Benzene, Xylene, Toluene	8020	Refer to the appropriate SW-846 Method
2023	N/A	N/A	N/A	N/A	N/A	N/A
2024	N/A	N/A	N/A	N/A	N/A	N/A
2025	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2026	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal	PCB	8080, 608	Refer to the appropriate SW-846 Method
2027	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal	PCB	8080, 608	Refer to the appropriate SW-846 Method
2028	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	For each spill	Dependent on nature of spill	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2029	At point of generation or at storage location	Refer to the appropriate SW-846 Method	Each drum/container is analyzed	Exposive Reactivity, Reactive Cyanide Reactive Sulfide	US Dept of the Army Method, SW 9030, 9010	Refer to the appropriate SW-846 Method and/or US Army Card Gap & DDT Method
	Sample will be taken at point of generation	Refer to the appropriate SW-846 Method	When waste is generated	RDX, TNT	DZ-72, 8330	Refer to the appropriate SW-846 Method
	Sample will be taken at point of generation	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Metals -	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
2030	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	For each spill	Dependent on knowledge of spilled material	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2031	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Exposive Reactivity	US Dept of the Army Method	Refer to the appropriate SW-846 Method and/or US Army Card Gap & DDT Method
	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Exposive Reactivity	US Dept of the Army Method	Refer to the appropriate SW-846 Method and/or US Army Card Gap & DDT Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2032	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Exposive Reactivity	US Dept of the Army Method	Refer to the appropriate SW-846 Method and/or US Army Card Gap & DDT Method
	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Exposive Reactivity	US Dept of the Army Method	Refer to the appropriate SW-846 Method and/or US Army Card Gap & DDT Method
2033	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	TCLP Metals,	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Explosive Reactivity	US Dept of the Army Method	Refer to the appropriate SW-846 Method and/or US Army Card Gap & DDT Method
	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Reactive Cyanide, Reactive Sulfide	7.3.3.2 7.3.4.2	Refer to the appropriate SW-846 Method
2034	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	TCLP Metals,	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Explosive Reactivity	US Dept of the Army Method	Refer to the appropriate SW-846 Method and/or US Army Card Gap & DDT Method
	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Reactive Cyanide, Reactive Sulfide	7.3.3.2 7.3.4.2	Refer to the appropriate SW-846 Method
2038	N/A	N/A	N/A	Knowledge of Waste	N/A	N/A

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2039	At storage location	Refer to the appropriate SW-846 Method	When process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	F-Listed Solvents 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
2040	Sample will be taken at point of generation	ASBESTOS	When waste is generated	Asbestos – PLM Analysis	ASBESTOS	ASBESTOS
2041	Sample will be taken at point of generation	ASBESTOS	When waste is generated	Asbestos – PLM Analysis	ASBESTOS	ASBESTOS
2042	At Storage Location	Refer to the appropriate SW-846 Method	If requested	Process Knowledge-Analysis only if required by disposal fac	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2043	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2044	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2045	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2046	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2047	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2048	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2049		N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2050	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2051	At storage location	Refer to the appropriate SW-846 Method	Each drum will be analyzed	TCLP Metals – Lead, Barium and Chromium	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
2052	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	pH	9040, 9045	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Reactive Sulfide	7.3.3.2 7.3.4.2	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Reactive Cyanide	7.3.3.2 7.3.4.2	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	GC Scan	8000	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	GC - MS	8270	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	TCLP Metals	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Nickel	7520 6010A	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Thallium	7840	Refer to the appropriate SW-846 Method
2053	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated if Restoration Reports inadequate	If Waste Classification by others incomplete (See RFI/APAR Reports)	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2054	N/A	N/A	N/A	No Analysis Necessary	N/A	N/A
2055	N/A	N/A	N/A	No Analysis Necessary	N/A	N/A
2056	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal	PCB's	8080, 608	Refer to the appropriate SW-846 Method
2058	At point of generation or at storage location	Refer to the appropriate SW-846 Method	At the request of disposal facility	As specified by disposal facility	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2059	At point of generation or at storage location	Refer to the appropriate SW-846 Method	At the request of disposal facility	RDX	8330	Refer to the appropriate SW-846 Method
	At point of generation or at storage location	Refer to the appropriate SW-846 Method	At the request of disposal facility	TNT	8330	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2060	At point of generation or in Storage location	Refer to the appropriate SW-846 Method	Sample Each Batch Removed	TCLP Metals – Barium Cadmium, Mercury, Chromium, Lead, and Silver	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At point of generation or in Storage location	Refer to the appropriate SW-846 Method	Sample Each Batch Removed	Paint Filter Test	9095	Refer to the appropriate SW-846 Method
	At point of generation or in Storage location	Refer to the appropriate SW-846 Method	Sample Each Batch Removed	Nickel	7520 6010A	Refer to the appropriate SW-846 Method
2061	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	Each batch removed	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	Each batch removed	TCLP Metals – Barium, Cadmium, Chromium, Lead, Mercury, and Silver	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	Each batch removed	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method
	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	Each batch removed	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	Each batch removed	**F-Listed Solvents** Xylene G.C. Acetone G.C. Methanol G.C. Toluene G.C. Methyl Ethyl Ketone G.C. Methyl IsoButyl Ketone G.C. Methylene Chloride G.C.	8260B	Refer to the appropriate SW-846 Method
2062	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2063	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2064	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2065	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2066	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2067	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2068	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2070	N/A	N/A	N/A	N/A Process knowledge	N/A	N/A
2071	N/A	N/A	N/A	No Analysis Necessary	N/A	N/A
2072	N/A	N/A	N/A	No Analysis Necessary	N/A	N/A
2073	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal if required	Depends on type of chemical treatment of wood.	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal	TCLP – Pentachlorophenol	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2074	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal	PCB's	8080, 608	Refer to the appropriate SW-846 Method
2076	At storage location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals - Barium, Cadmium, Chromium, Lead & Mercury	1311/7000 Series	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520	Refer to the appropriate SW-846 Method
2077	At storage location	Refer to the appropriate SW-846 Method	When process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At storage location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals, Barium, Cadmium, Chromium, Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Mirex	8120, 8270	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520	Refer to the appropriate SW-846 Method
2078	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2079	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2080	At point of generation or at storage location	Refer to the appropriate SW-846 Method	At the request of disposal facility	As specified by Disposal Contractors	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2081	N/A	N/A	N/A	No analysis due to safety concerns Use process knowledge	N/A	N/A
2082	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Metals, Arsenic, Barium, Cadmium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP - Benzene	8020, 602, 624	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TPH	1005	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter Test	9095	Refer to the appropriate SW-846 Method
2083	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Metals, Arsenic, Barium, Cadmium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP - Benzene	8020, 602, 624	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TPH	1005	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter Test	9095	Refer to the appropriate SW-846 Method
2084	At storage location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At storage location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals – Barium, Cadmium, Chromium, Lead, Mercury, and Silver	1311/7000 Series	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
2085	At storage location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Total Halides	9020	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Total Arsenic	206.3	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Total Cadmium	213.1	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Total Chromium	218.1	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Total Lead	239.1	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Paint Filter	9095	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	TCLP – Barium, Mercury, Selenium, and Silver	8080, 608	Refer to the appropriate SW-846 Method
2087	N/A	N/A	N/A	No Analysis Necessary	N/A	N/A
2089	At storage location	Refer to the appropriate SW-846 Method	Each drum will be analyzed when full	TCLP Metals, Barium, Cadmium, Chromium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
2090	At storage location	Refer to the appropriate SW-846 Method	Each drum will be analyzed when full	TCLP Metals - Barium, Cadmium, Chromium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
2091	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Metals - Arsenic, Barium, Cadmium, Chromium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Benzene	8020 or 8260	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Petroleum Hydrocarbon	1005	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	PCB's	8080	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Halogens	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2092	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Metals - Arsenic, Barium, Cadmium, Chromium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Benzene	8020 or 8260	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Petroleum Hydrocarbon	1005	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	PCB's	8080	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Halogens	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2093	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Metals - Arsenic, Barium, Cadmium, Chromium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Benzene	8020 or 8260	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Petroleum Hydrocarbon	1005	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	PCB's	8080	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Halogens	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2094	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method

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TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
2095	N/A	N/A	N/A	See List for 2070409H	N/A	N/A
2096	N/A	N/A	N/A	No analysis necessary	N/A	Refer to the appropriate SW-846 Method
2098	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
2101	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Total Petroleum Hydrocarbons	1005	Refer to the appropriate SW-846 Method
2102	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Total Petroleum Hydrocarbons	1005	Refer to the appropriate SW-846 Method
2103	N/A	N/A	N/A	No analysis necessary Knowledge of waste	N/A	N/A
2104	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	TCLP – Mercury, Chromium, Lead, Sulfide, Barium	1311/7000 Series	Refer to the appropriate SW-846 Method

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TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Phenols Cyanide	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Reactive Cyanide, Reactive Sulfide	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Chloronated Hydrocarbons	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Nickel	7000 Series/6010, 249.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or As required for TPDES Permit	Zinc	7000 Series/6010, 289.1	Refer to the appropriate SW-846 Method
2105	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	Each batch removed	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	Each batch removed	TCLP – Barium, Cadmium, Chromium, Lead, Mercury and Silver	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location or Prior to Removal	Refer to the appropriate SW-846 Method	Each batch removed	**F List Solvents** Methylene Chloride, Toluene, Xylene, Methyl Ethyl Ketone, Methyl, Isobutyl Ketone, Acetone, Methanol	8010, 8260	Refer to the appropriate SW-846 Method
2106	At storage location	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	Reactive Cyanide	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method

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TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At storage location	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	TCLP Metals	1311/7000 Series	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	**F Listed Solvents** 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
2107	At storage location	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	Reactive Cyanide	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	TCLP Metals	1311/7000 Series	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	**F Listed Solvents** 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
2108	Each drum is analyzed	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	Reactive Cyanide	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
	Each drum is analyzed	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	TCLP Metals	1311/7000 Series	Refer to the appropriate SW-846 Method
	Each drum is analyzed	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	**F Listed Solvents** 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
2109	Each drum is analyzed	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	Reactive Cyanide	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
	Each drum is analyzed	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	TCLP Metals	1311/7000 Series	Refer to the appropriate SW-846 Method
	Each drum is analyzed	Refer to the appropriate SW-846 Method	Random dm analyzed when process change	**F Listed Solvents** 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method

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TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2110	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	Based on knowldege of materials	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2111	Each drum is analyzed	Refer to the appropriate SW-846 Method	Each drum is analyzed	Reactive Cyanide	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
	Each drum is analyzed	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals	1311/7000 Series	Refer to the appropriate SW-846 Method
	Each drum is analyzed	Refer to the appropriate SW-846 Method	When process changes	**F Listed Solvents** 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
2112	N/A	N/A	N/A	N/A	N/A	N/A
2113	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	As needed prior to disposal	TCLP – Barium, Cadmium, Chromium, Lead, Mercury and Silver	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes or with NPDES renewal	Nickel	7000 Series/6010 6010A, 249.1	Refer to the appropriate SW-846 Method

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TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	**F Listed Solvents** Methylene Chloride, Acetone, Methyl Isobutyl Ketone, Xylene, Methyl Ethyl Ketone, Toluene, 1,1,1-Trichloroethane, n-butyl alcohol	8010, 8260	Refer to the appropriate SW-846 Method
2114	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal	PCB's	8080, 608	Refer to the appropriate SW-846 Method
2115	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal	PCB's	8080, 608	Refer to the appropriate SW-846 Method
2116	At point of generation	Refer to the appropriate SW-846 Method	Prior to disposal	As listed in Closure Plan	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2120	At point of generation	Refer to the appropriate SW-846 Method	Prior to disposal	As listed in Closure Plan	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2123	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP	1311	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Arsenic	7060	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Barium	7080	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Cadmium	7130	Refer to the appropriate SW-846 Method

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TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Lead	7420	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Benzene	8021	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When waste is generated	TPH	1005	Refer to the appropriate SW-846 Method
2124	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals	1311/ 7000 series	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When process changes	Acid Digestion	3030	Refer to the appropriate SW-846 Method
2125	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Metals - Arsenic, Barium, Cadmium, Chromium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Benzene	8020 or 8260	Refer to the appropriate SW-846 Method

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TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Petroleum Hydrocarbon	1005	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	PCB's	8080	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Halogens	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2126	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP – Barium, Cadmium, Chromium, Lead, Mercury and Silver	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Nickel	7000 Series/6010 6010A, 249.1	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	**F Listed Solvents** Methylene Chloride, Acetone, Methyl Isobutyl Ketone, Xylene, Methyl Ethyl Ketone, Toluene, 1,1,1-Trichloroethane, n-butyl alcohol	8010, 8260	Refer to the appropriate SW-846 Method
2127	At Generation or Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Depends on area and analytical history	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2128	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	MSDS	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2129	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP – Barium, Cadmium, Chromium, Lead, Mercury and Silver	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Nickel	7000 Series/6010 6010A, 249.1	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	**F Listed Solvents** Methylene Chloride, Acetone, Methyl Isobutyl Ketone, Xylene, Methyl Ethyl Ketone, Toluene, 1,1,1-Trichloroethane, n-butyl alcohol	8010, 8260	Refer to the appropriate SW-846 Method
2130	At Storage Location	Refer to the appropriate SW-846 Method	Prior to disposal	PCB's	8080, 608	Refer to the appropriate SW-846 Method
2131	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When generated	Paint Filter Liquids Test	9095	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When generated	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When generated	Acid Digestion	3030	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When generated	TCLP Metals – Barium For G-145 other location select metals based on process knowledge	1311/ 7000 series	Refer to the appropriate SW-846 Method
	Prior to removal or at storage location	Refer to the appropriate SW-846 Method	When generated	Total Petroleum Hydrocarbons	1005	Refer to the appropriate SW-846 Method
2132	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	TCLP Metals - Mercury	1311/ 7000 series	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2133	At source or at storage location	Refer to the appropriate SW-846 Method	When process knowledge insuficent	Explosive reactivity, Reactive Cyanide, Reactive Sulfide	Card Gap& DDT Army 9030,9010,	Refer to the appropriate SW-846 Method
	At source or at storage location	Refer to the appropriate SW-846 Method	When process knowledge insuficent	Explosives based on Process Knowledge	8330	Refer to the appropriate SW-846 Method
	At source or at storage location	Refer to the appropriate SW-846 Method	When process knowledge insuficent	TCLP Metals – Arsenic, Barium, Lead, Cadmium, Chromium, Mercury, Selenium, Silver	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
2134	N/A	N/A	N/A	N/A	N/A	N/A
2135	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	TCLP Metals: Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	Each drum is analyzed	Explosive reactivity, Reactive Cyanide, Reactive Sulfide	Card Gap& DDT Army, & SW 9030, 9010	Refer to the appropriate SW-846 Method
2136	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated, if MSDS inadequate	MSDS	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2138	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Ammonia	350.2	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Organic Nitrogen	351.3	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	COD	410.4	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Aluminum	7020, 202.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Oil & Grease	9070, 9071, 413.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Antimony	7000 Series/6010, 204.2	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Chromium	7000 Series/6010 6010A, 218.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Lead	7000 Series/6010 6010A, 239.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Nickel	7000 Series/6010 6010A, 289.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Zinc	7000 Series/6010 6010A	Refer to the appropriate SW-846 Method
2139	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	TCLP – Barium, Cadmium, Chromium, Lead, Mercury and Silver	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	Nickel	7000 Series/6010 6010A, 249.1	Refer to the appropriate SW-846 Method
	At Storage Location	Refer to the appropriate SW-846 Method	When waste is generated	**F Listed Solvents** Methylene Chloride, Acetone, Methyl Isobutyl Ketone, Xylene, Methyl Ethyl Ketone, Toluene, 1,1,1-Trichloroethane, n-butyl alcohol	8010, 8260	Refer to the appropriate SW-846 Method
2140	At storage location	Refer to the appropriate SW-846 Method	When process changes	TCLP Metals	1311/7000 Series 6010A	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	F-Listed Solvents 1,1,1-Trichloroethane	8010, 8260	Refer to the appropriate SW-846 Method
	At storage location	Refer to the appropriate SW-846 Method	When process changes	Reactive Cyanide	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2141	At point of generation or at storage location	Refer to the appropriate SW-846 Method	As needed prior to disposal	Process Knowledge	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2142	At point of generation or at storage location	Refer to the appropriate SW-846 Method	As needed prior to disposal	TCLP Metals	1311/7000 Series	Refer to the appropriate SW-846 Method
2143	At point of generation or at storage location	Refer to the appropriate SW-846 Method	As needed prior to disposal	Process Knowledge	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
2144	N/A	N/A	N/A	MSDS, Process Knowledge	N/A	N/A
2145	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Metals - Arsenic, Barium, Cadmium, Chromium & Lead	1311/7000 Series	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Flash Point	1010	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	TCLP Benzene	8020 or 8260	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Paint Filter	9095	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Nickel	7520, 200 Series, 200.7	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Petroleum Hydrocarbon	1005	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	PCB's	8080	Refer to the appropriate SW-846 Method
	At Storage Location or prior to removal	Refer to the appropriate SW-846 Method	When waste is generated	Total Halogens	Refer to the appropriate SW-846 Method	Refer to the appropriate SW-846 Method
2146	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	pH	9040, 9045, 150.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Ammonia	350.2	Refer to the appropriate SW-846 Method

[1]from Table IV.B, first column

TABLE IV.C. SAMPLING AND ANALYTICAL METHODS

Waste No.[1]	*Sampling Location*	*Sampling Method*	*Frequency*	*Parameter*	*Test Method*	*Desired Accuracy Level*
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Organic Nitrogen	351.3	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	COD	410.4	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Aluminum	7020, 202.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Oil & Grease	9070, 9071, 413.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Antimony	7000 Series/6010, 204.2	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Chromium	7000 Series/6010 6010A, 218.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Lead	7000 Series/6010 6010A, 239.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Nickel	7000 Series/6010 6010A, 249.1	Refer to the appropriate SW-846 Method
	At Holding Tank Prior to Tmt	Refer to the appropriate SW-846 Method	When process changes or with TPDES renewal	Zinc	7000 Series/6010 6010A, 289.1	Refer to the appropriate SW-846 Method
2147	N/A	N/A	N/A	N/A	N/A	N/A

[1]from Table IV.B, first column

TABLE V.B CONTAINER STORAGE AREAS

Permit Unit No.	*Container Storage Area*	*N.O.R. #*	*Rated Capacity*	*Dimensions*	*Containment Volume (including rainfall for unenclosed areas)*	*Unit will manage Ignitable,[1] Reactive,[1] or Incompatible[2] Waste (state all that apply)*
003	A-8 HWSCF (LSAAP No. 40)	005	104 drums 5720 gal	87' x 32'	5720 gallons	Ignitable, Incompatible
007	HEBG HWSCA	011	640 drums, 35,200 gallons	N/A	35,200 gallons	Ignitable
005	T-3-2 HWSCF (LSAAP No. 27)	013	11,800 gallons	26.5' x 60.6'	N/A	Reactive, Ignitable
004	T-2-1 HWSCF (LSAAP No. 28)	015	216 drums, 11,880 gallons	26.5' x 60.6'	N/A	Reactive, Ignitable
006	T-4-2 HWSCF (LSAAP No. 22)	016	11,880 gallons	26.5' x 60.6'	N/A	Ignitable
001	P-82 HWSCF	019	456 drums, 25,080 gallons	81' x 51'	25,080 gallons	Ignitable
010	XX-97 HWSCF	020	64 drums, 3520 gallons	90' x 40' x 6"	1680 gallons	Reactive, Ignitable, Incompatible

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

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

TABLE V.K. MISCELLANEOUS UNITS

Permit Unit No.	*Miscellaneous Unit*	*N.O.R. #*	*Storage, Processing, and/or Disposal*	*Waste No.s*[1]	*Rated Capacity*	*Dimensions*	*Unit will manage Ignitable, Reactive, or Incompatible Waste (state all that apply)*
009	HEDG (LSAAP Unit No. 018)	004	Processing	2029,2043, 2044, 2045, 2047, 2050, 2058, 2062, 2065, 2066, 2067, 2068, 2079, 2080, 2081	5,400 lbs/day (New Explosive Weight) (NEW)		Ignitable
013	HEBG - Pad 1	066	Processing	2045, 2046, 2048, 2050, 2062, 2063, 2064, 2067	14,500 lbs/day (NEW)		Ignitable
				2065	Net Rated Capacity for		Ignitable, Incompatible
014	HEBG - Pad 2	067	Processing	2023, 2024, 2043, 2044, 2046, 2047, 2064, 2068, 2078	Units 066, 067, 068, 069		Ignitable
015	HEBG - Pad 3	068	Processing	2045, 2046, 2048, 2050, 2062, 2063, 2065, 2066, 2067			Ignitable
016	HEBG - Pad 4	069	Processing	2045, 2050, 2065, 2067, 2068			Ignitable

om Table IV.B, first column

TABLE VII.G. POST-CLOSURE PERIOD

Unit Name	Date Certified Closed	Permitted Post Closure Period (Yrs)	Date Post Closure Ends
North Area G-Ponds	10/18/93	30 (surface care only)	10/18/23
South Area O-Ponds	11/19/82	30 (surface care only)	11/19/12

LEGAL DESCRIPTION OF FACILITY

C
O
P
Y

WAR DEPARTMENT

WASHINGTON

JUL 29 1944

Honorable Coke P. Stevenson,
Governor of Texas,
Austin, Texas.

Dear Governor Stevenson:

The War Department acknowledges receipt of a deed dated May 27, 1944, executed by you on behalf of the State of Texas, ceding exclusive jurisdiction to the United States over 24,343 acres of land, more or less, in Bowie County, Texas, used in connection with the Lone Star Ordnance Plant.

Pursuant to the provisions of section 355, Revised Statutes, as amended by the act of February 1, 1940 (54 Stat. 19), and by the act of October 9, 1940 (54 Stat. 1083; 40 U.S.C. 255), notice is hereby given that the United States accepts exclusive jurisdiction over the land described in the deed of cession.

Return of the duplicate copy of this letter, with your indorsement thereon designating time of receipt of this acceptance by your office, would be appreciated.

Sincerely yours,

HENRY L. STIMSON
Secretary of War

(S E A L)

The original of this letter of acceptance was received in the office of the Governor on the 3rd day of August 1944.

/s/ Coke Stevenson

Governor of the State of Texas

(S E A L)

(C O P Y)

LEGAL DESCRIPTION OF FACILITY (continued)

DEED OF CESSION

STATE OF TEXAS,

COUNTY OF TRAVIS.

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

WHEREAS, the United States of America has acquired fee simple title to twenty-four thousand, three hundred and forty-three (24,343) acres of land, more or less, lying and being situated in the County of Bowie, State of Texas, to be used in connection with the Lone Star Ordnance Plant, in Bowie County, Texas, title to a portion of which said land has vested in the United States of America under and by virtue of the following listed one hundred and sixty-nine (169) deed conveyances:

(List of 169 deeds follows. Each deed gives the date of execution, grantor, and recording data, i.e., volume and page.)

WHEREAS, title to the remaining portion of the hereinafter described tracts of land not covered by the above listed conveyances was acquired by the United States of America by condemnation proceedings styled "United States of America vs. 24,300 acres of land, more or less, situated in Bowie County, State of Texas, Civil Action No. 51", in the United States District Court, Eastern District of Texas, and filed October 18, November 12, December 5, December 30, in the year 1941, and January 10, February 7, March 17, April 18, May 5, May 2 June 27; September 11, and September 23, in the year 1942; in condemnation proceeding styled "United States of America vs. 20 acres of land, more or less, situated in Bowie County, Texas, Civil Action No. 57" in the United States District Court, Eastern District of Texas, filed on September 20, 1941; and in condemnation proceeding styled "United States of America vs. 9.03 acres of land, more or less, situated in Bowie County, State of Texas, Civil Action No. 80, filed on September 19, 1942, which said several Declarations of Taking have been recorded in the Deed Records of Bowie County, State of Texas, as follows:

(List of 16 separate declarations of taking follows, giving style of suit, civil action number, date of filing, and recordation data showing volume and page and where the declaration of taking was filed.)

The perimeter description of the land acquired by the United States of America in the above listed deed conveyances and Declarations of Taking is as follows:

LEGAL DESCRIPTION OF FACILITY (continued)

All those certain lands situated in Bowie County, Texas, more particularly described as follows:

BEGINNING at a point approximately 7 1/4 miles northwest from the West city limits of Texarkana, Texas, where the Northeast corner of the R. W. Kyles tract of land intersects the South boundary of the right of way of the T.&P. Railway Company; thence South with east boundary of said Kyles land, same being the East boundary of the N. D. Ellis survey, to the northeast corner of the Joe Freeman tract of land; thence south with the East boundary of the said Freeman land, same being the east boundary of the said N. D. Ellis survey, to the northeast corner of the W. S. Embrey land; thence south with the East boundary of the said W. S. Embrey land, same being the East boundary of the said N. D. Ellis survey, to the southeast corner of the said W. S. Embrey land, same being the southeast corner of said survey; thence west with the south boundary of said W. S. Embrey land and the south boundary of said Survey to the Northeast corner of the Section 27 M.E.P. & P. RR. Co. Survey, same being the Northeast corner of the I. N. Pierce land; thence south with the east boundary of the said I. N. Pierce land, same being the East boundary of said M.E.P. & P. RR. Co. Survey, to the northeast corner of the L. L. Fields tract of land; thence South with the East boundary of said L. L. Fields land, same being the East boundary of the said M.E.P. & P. RR. Co. Survey, to the Northeast corner of the McKinley Griffin land, same being the east boundary of Section 27 M.E.P. & P. RR. Co. Survey; thence south with the east boundary of the said Section 27 Survey, same being the east boundary of the said McKinley Griffin land, to the southeast corner of said Section 27 Survey in the north boundary of the Nancy Dycus Survey, same being in the north boundary of the E. J. Clark land; thence East with the north boundary of the said E. J. Clark land, same being the North boundary of the said Nancy Dycus Survey, to the Northeast corner of the said E. J. Clark land; thence south with the east boundary of said E. J. Clark land to the Northeast corner of the land owned by T. M. Cantrell Estate; thence South with the East boundary of said T. M. Cantrell land to the north boundary of the W. C. Strickland land, same being the southwest corner of said T. M. Cantrell land; thence West to the northeast corner of the L. M. Aldn land; thence south with the East boundary of the said L. M. Aldn land to the northeast corner of a 25-acre tract of land owned by W. C. Strickland; thence south with the east boundary of the said 25-acre tract to the North boundary of the land owned by W. J. Wood, Jr.; thence East with the north boundary of the said W. J. Wood, Jr. land to the Northeast corner of same; thence south with the East boundary of said W. J. Wood, Jr. land to a point in the north boundary of the right of way of the U. S. Highway No. 67, said point being the southeast corner of said W. J. Wood, Jr. land; thence with the north boundary of the right of way of the said U. S. Highway No. 67 in a southwesterly direction to a point on the south boundary of the J. L. Moore Survey, same being the south boundary of the S. R. Green land; thence West with the south boundary of the said S. R. Green land, same being the south boundary of the said J. L. Moore Survey to the southeast corner of the C. C. Creed tract of land; thence south 129½ vrs. to the southeast corner of Tract No. 344, conveyed to the United States by J. R. Nettles;

LEGAL DESCRIPTION OF FACILITY (continued)

thence West 1203 vrs. to a point in the east boundary line of the H. P. Benningfield survey; thence south to the southeast corner of Tract No. 337, acquired by the United States from W. P. Parker; thence leaving said southeast corner of the H. P. Benningfield Survey, southeasterly along the easterly right of way line of the M.K.P. & P. RR. spur tract through Tracts 701-702-703-705 and 706 a distance of 1603.31 vrs. to a point, said point being in the north line of the Daniel Morris survey; thence east along the north line of said Daniel Morris survey 97.30 vrs. to a point; thence south leaving said north line of Daniel Morris Survey 96.04 vrs. to a point; thence southeasterly along the east right of way line of said spur tract 31.94 vrs. to its intersection with the west right of way line of U.S. Highway No. 67; thence southerly along the west right of way line of U. S. Highway No. 67, 57 vrs. to its intersection with the Westerly right of way line of said spur track; thence northwesterly 711.36 vrs. along said southwesterly right of way line to the point of beginning of a curve to the right; thence 227.01 vrs. along said right of way line following the arc of said curve to the right to the point of tangency; thence 90.14 vrs. along said right of way line to a point, said point being on the southerly boundary of the J. S. Herring survey; thence West 70.90 vrs. along the southerly boundary of said J. S. Herring Survey to a point; thence northerly 115.65 vrs to a point, said point being 75 feet from the center line of said spur tract; thence northwesterly 511.76 vrs. along the Westerly right of way line of said spur tract to a point; thence West 48.78 vrs. to a point, said point being in the west boundary of the J. S. Herring Survey; thence northerly 116.98 vrs. along the west boundary of said J. S. Herring Survey to a point; thence northwesterly 81.29 vrs. along the westerly right of way line of said spur track to a point, said point being in the south line of Tract No. 337; thence west 1168.72 vrs. to the southwest corner of Tract No. 337; thence north to the southeast corner of Tract No. 219, conveyed to the United States by Ralph Jackson; thence West 580 vrs. to the southwest corner of Tract No. 371, conveyed to the United States by Amelia Josephine Banks; thence North to a point in the south boundary line of Tract No. 368, conveyed by R. M. Clark to the United States; thence West 895 vrs. to a point in West boundary line of the H. P. Benningfield Survey, being the southwest corner of Tract No. 368, conveyed by R. M. Clark to the United States; thence North 1488 vrs. to the northwest corner of the H. P. Benningfield survey; thence west to the southwest corner of Tract No. 359, conveyed to the United States by the heirs of Henry W. Johnson; thence north 582 vrs. to the center line of the Brooks-Sedwater Road; thence east along said road to a point where it intersects the Old Boston Road; thence in a northwesterly direction to a point where the said Old Boston Road crosses the south boundary line of the J. G. Dunn survey; thence West along the south boundary line of the J. G. Dunn Survey to the southwest corner thereof, said corner being in the east boundary line of the John Smithson Survey; thence south to the southeast corner of said John Smithson survey; thence west 1187 vrs. to the southeast corner of Tract No. 466, conveyed to the United States by J. D. Long; thence North 950 vrs. to the northwest corner of said Tract No. 466; thence East to the southeast corner of Tract No. 462, conveyed to the United States by L. M. Yates;

LEGAL DESCRIPTION OF FACILITY (continued)

thence north along the east line of Tract No. 452 and the west line of Tract No. 457 and Tract No. 428, and continuing north to a point in the south boundary line of Chas. Collum Survey; thence east to the southeast corner of the Chas. Collum Survey and the southwest corner of the George Collum survey; thence north along the east line of the George Collum Survey to a point where the said Chas. Collum and George Collum Survey intersect the south side of the T.&P. Railroad right of way; thence with the south boundary of the said T.&P. Railroad Company right of way in an Easterly direction to the point where the west boundary line of the property of the Hooks Gin Company intersects the said south boundary of the said railroad right of way, said point being the northwest corner of the said Hooks Gin Co. land; thence south with the west boundary of the said Hooks Gin Company property to the southwest corner of said property; thence east with the south boundary of the said Hooks Gin Company property to the northeast corner thereof in the south boundary of the said T.&P. Railroad Company right of way in an easterly direction to the point of beginning.

Also that portion of land on the East side of U. S. Highway No. 67, more particularly described as follows:

BEGINNING at a point on the East right of way line of U.S. Highway No. 67 at its intersection with the Easterly prolongation of the heretofore mentioned West railroad right of way spur; thence southeasterly along the easterly right of way line of said R. R. spur tract, 497.56 vrs. to the point of beginning of a curve to the left; thence Southeasterly 387.81 vrs. along the Easterly right line of said curve to the left to a point, said point being in the Westerly right of way line of the St.Louis S.W. R.R. main line; thence Southwesterly 393.74 vrs. along said Westerly right of way line of the St.L. & S.W. R.R. to the point of beginning of a curve to the right; thence 220.72 vrs. along the Westerly right of way line of said curve to the right to the point of tangency; thence 89.78 vrs. along the northerly right of way line of said railroad to a point; thence Northerly 6.12 vrs., leaving said Northerly right of way line of the St.L. & S.W. R.R. main line to a point; thence 179.86 vrs. along a curve to the right to a point, said point being in the Westerly boundary of Tract No. 712; thence northerly 333.45 vrs. to a point, said point being in the Westerly right of way line of said spur track; thence Northwesterly 256.00 vrs. along said Westerly right of way line of spur tract to a point, said point being the intersection of said railroad spur tract right of way line with the easterly right of way line of U. S. Highway No. 67; thence northerly along the West right of way line of U. S. Highway No. 67, 57 vrs. to the point of beginning; containing 24,343 acres more or less.

WHEREAS, the United States of America desires to acquire constitutional jurisdiction over the land above described, and has made application to the Governor of the State of Texas in writing to that effect, through its Secretary of War, accompanied with proper evidence of such acquisition duly authenticated and recorded, containing or having annexed thereto an accurate description of sa land by metes and bounds as hereinbefore set forth.

LEGAL DESCRIPTION OF FACILITY (continued)

NOW, THEREFORE, I, Coke R. Stevenson, Governor of the State of Texas, in the name and on behalf of the State of Texas, do hereby cede to the United States of America exclusive jurisdiction over the said described land, to hold, possess, and exercise said jurisdiction over the same as long as the same remains the property of the United States of America; provided, however, that this cession of jurisdiction is made and granted upon the express condition that the State of Texas shall retain concurrent jurisdiction with the United States of America over every portion of the land so ceded, so far, that all process, civil and criminal, issuing under the authority of the State of Texas or any of the Courts or judicial officers thereof, may be executed by the proper officers of the State of Texas upon any person amenable to the same within the limits of the land over which jurisdiction is so ceded, in like manner and with like effect as if no such cession had taken place.

This Deed of Cession is made pursuant to Articles 5242, 5247 and 5248 of the Revised Civil Statutes of Texas, 1925, and in accordance therewith the United States of America shall be secure in its possession and enjoyment of all said lands, and said lands and all improvements thereon shall be exempt from any taxation under the authority of the State of Texas, so long as the same are held, owned, used, and occupied by the United States of America for any of the purposes expressed in the foregoing statutes and not otherwise.

IN TESTIMONY WHEREOF, I have hereunto signed my name as Governor of the State of Texas and have caused the Great Seal of the State of Texas to be hereunto affixed at the City of Austin, in the State of Texas, on the 27th day of May, A. D. 1944.

/s/ Coke R. Stevenson
GOVERNOR OF THE STATE OF TEXAS

ATTEST:

/s/ Sidney Latham
Secretary of State of the
State of Texas.

LEGAL DESCRIPTION OF FACILITY (continued)

STATE OF TEXAS,

COUNTY OF TRAVIS.

BEFORE ME, the undersigned authority, a Notary Public, in and for the County of Travis, State of Texas, on this day personally appeared Coke R. Stevenson, Governor of the State of Texas, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed, and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 27th day of May, A. D. 1944.

/s/ Olinn O. Smith
Notary Public in and for
Travis County, Texas

APPROVED AS TO FORM:

Grover Sellers
ATTORNEY GENERAL OF TEXAS

By /s/ Thos. B. Duggan, Jr.
Thos. B. Duggan, Jr.
ASSISTANT ATTORNEY GENERAL

LEGAL DESCRIPTION OF FACILITY (continued)

LEGAL DESCRIPTION
OF
LONE STAR ARMY AMMUNITION PLANT
ORIGINALY NAMED
LONE STAR ORDINANCE PLANT

The land area under the jurisdiction of the Commanding Officer, Lone Star Army Ammunition is defined as follows:

1. Legal description set forth in Deed of Cession from State of Texas to the United States of America and shown by the attached Drawings 7115-104.0 thru .9 and 7115-105.0 and .1 are included herewith as File #1;

2. Less 592.9 acres conveyed by the United States of America to Preston H. Shirley as described in attached deed and shown on Drawing E-3037-0 all included herewith as File #2;

3. Less 94.33 acres conveyed by the United States of America to the Bowie County Soil and Water Conservation District as described in attached deed and shown on Drawing E-8969 (2 sheets) all included herewith as File #3;

4. Less 5,086 acres placed under the jurisdiction of Red River Army Depot as reflected on Drawing E-2463.0 and .1 included herewith as File #4;

leaving a balance of 15,545 acres currently known as Lone Star Army Ammunition Plant.

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

Form Approved
OMB No. 0704-0188

FROM (Installation/Activity/Service and Zip code)	2. OPERATING UNIT	3. DISTRICT CODE	4. OPERATING AGENCY	5. DATE	6. JOB NUMBER	7. SERIAL NUMBER OR PCN	8. CONTRACT NUMBER
Red River Army Depot ATTN: SIORR-C Texarkana, Texas 75507-5000	DPW		RRAD	June 11, 1998	N/A	N/A	N/A

TO (Installation/Activity/Service and Zip code)	10. OPERATING UNIT	11. DISTRICT CODE	12. OPERATING AGENCY	13. ACCOUNTING NUMBER	14. ACCOUNTABLE NUMBER	15. TYPE OF TRANSACTION	16. PROJECT NUMBER
Lone Star Army Ammunition Plant ATTN: SIOLS-CO Texarkana, Texas 75505-9101	DPW		LSAAP			A. ☐ NEW CONSTRUCTION ☐ EXISTING FACILITY ☐ CAPITAL IMPROVEMENT ☐ OTHER (Specify) B. ☐ BENFO ☐ PHYSICL COM ☐ PHAIL COM. ☒ OTHER (Specify)	N/A

ITEM NO. 17	CATEGORY CODE 18	FACILITY (Category description) 19	NO. OF UNITS 20	TYPE 21	UNIT OF MEAS. 22	TOTAL QUANTITY 23	COST 24	DRAWING NUMBERS 25	REMARKS 26
01	14181	Safety Shelter Bldg. 1515	01	Bldg	SF	124	$ 600.00	N/A	Transfer of Property
02	44220	Storage Facility Bldg. 1530	01	Bldg	SF	2,040	18,000		
03	21840	Railroad Equip Maint Bldg. 1535	01	Bldg	SF	4,000	35,900		
04	44220	General Storage Bldg. 1536	01	Bldg	SF	255	800		
05	14165	Fuel POL Facility Bldg. 1541	01	Bldg	SF	143	1,100		
06	21440	Component Rebuild Bldg. 1545	01	Bldg	SF	16,719	80,600		
07	89123	Compress Air Plant Bldg. 1546	01	Bldg	SF	252	41,100		
08	21440	Component Rebuild Bldg. 1548	01	Bldg	SF	2,000	28,500		
09	21440	Component Rebuild Bldg. 1549	01	Bldg	SF	200	600		
10	14181	Safety Shelter Bldg. 1555	01	Bldg	SF	124	600		
11	14181	Safety Shelter Bldg. 1593	01	Bldg	SF	124	600		
12	14181	Safety Shelter Bldg. 1613	01	Bldg	SF	124	600		
13	14181	Safety Shelter Bldg. 1619	01	Bldg	SF	124	600		
14	91110	Land Held Purchase BB-Area	01	Land	AC	78	2,070		The 78 acres is approximate
15	44182	Vehicle Storage - Tanks	117	Bldg	SF	237,160	733,800		Tanks are in the 1500 & 1600 series of facility numbers.

27. STATEMENT OF COMPLETION: The facilities listed hereon are in accordance with maps, drawings, and specifications and change orders approved by the authorized representatives of the using agency except for the deficiencies listed on the reverse side.

TRANSFERRED BY (Signature) Ronald D. King — DATE

28. ACCEPTED BY (Signature) Madison V. Bagley — DATE 1 Jul 98

TITLE (Post Engr/Base Civ. Engr/Navy Rep.) MADISON V. BAGLEY

29. PROPERTY VOUCHER NUMBER 4th-98

LEGAL DESCRIPTION OF FACILITY (continued)

Permit No. HW-50292-001
Attachment A
Sheet 9 of 10

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

Form Approved
OMB No. 0704-0188

PAGE 1 OF 2 PAGES

1. FROM (Installation/Activity/Service and Zip code)	2. OPERATING UNIT	3. DISTRICT CODE	4. OPERATING AGENCY	5. DATE	6. JOB NUMBER	7. SERIAL NUMBER OR PCN	8. CONTRACT NUMBER
Red River Army Depot ATTN: SIORR-C Texarkana, Texas 75507-5000	DPW		RRAD	June 11, 1998	N/A	N/A	N/A

9. TO (Installation/Activity/Service and Zip code)	10. OPERATING UNIT	11. DISTRICT CODE	12. OPERATING AGENCY	13. ACCOUNTING NUMBER	14. ACCOUNTABLE NUMBER	15. TYPE OF TRANSACTION		16. PROJECT NUMBER
Lone Star Army Ammunition Plant ATTN: SIOLS-CO Texarkana, Texas 75505-9101	DPW		LSAAP			A. ☐ NEW CONSTRUCTION ☐ EXISTING FACILITY ☐ CAPITAL IMPROVEMENT ☐ OTHER (Specify)	B. ☐ REIMB/O ☐ PHYSICL COM ☐ FINAL COM. ☒ OTHER (Specify)	N/A

ITEM NO. 17	CATEGORY CODE 18	FACILITY (Category description) 19	NO OF UNITS 20	TYPE 21	UNIT OF MEAS. 22	TOTAL QUANTITY 23	COST 24	DRAWING NUMBERS 25	REMARKS 26
01	91110	Land Held Purchase – Johnson's Loop	01	Land	AC	66	$ 1,751.64	N/A	The 66 acres is approximate
02	91110	Land Held Purchase – Pine Plantation	01	Land	AC	10	265.40		

27. STATEMENT OF COMPLETION: The facilities listed hereon are in accordance with maps, drawings and specifications and change orders approved by the authorized representative of the using agency except for the deficiencies listed on the reverse side.

TRANSFERRED BY (Signature)

Ronald D King

DATE

TITLE (Area Engr/Base Engr/DPWO)

RONALD D. KING
Colonel OD
Commanding

28. ACCEPTED BY (Signature)

Madison V Bagley

DATE

1 Jul 98

TITLE (Post Engr/Base CN, Engr/Navy Rep.)

MADISON V. BAGLEY
Contract Operations Officer
Lone Star Army Ammunition Plant

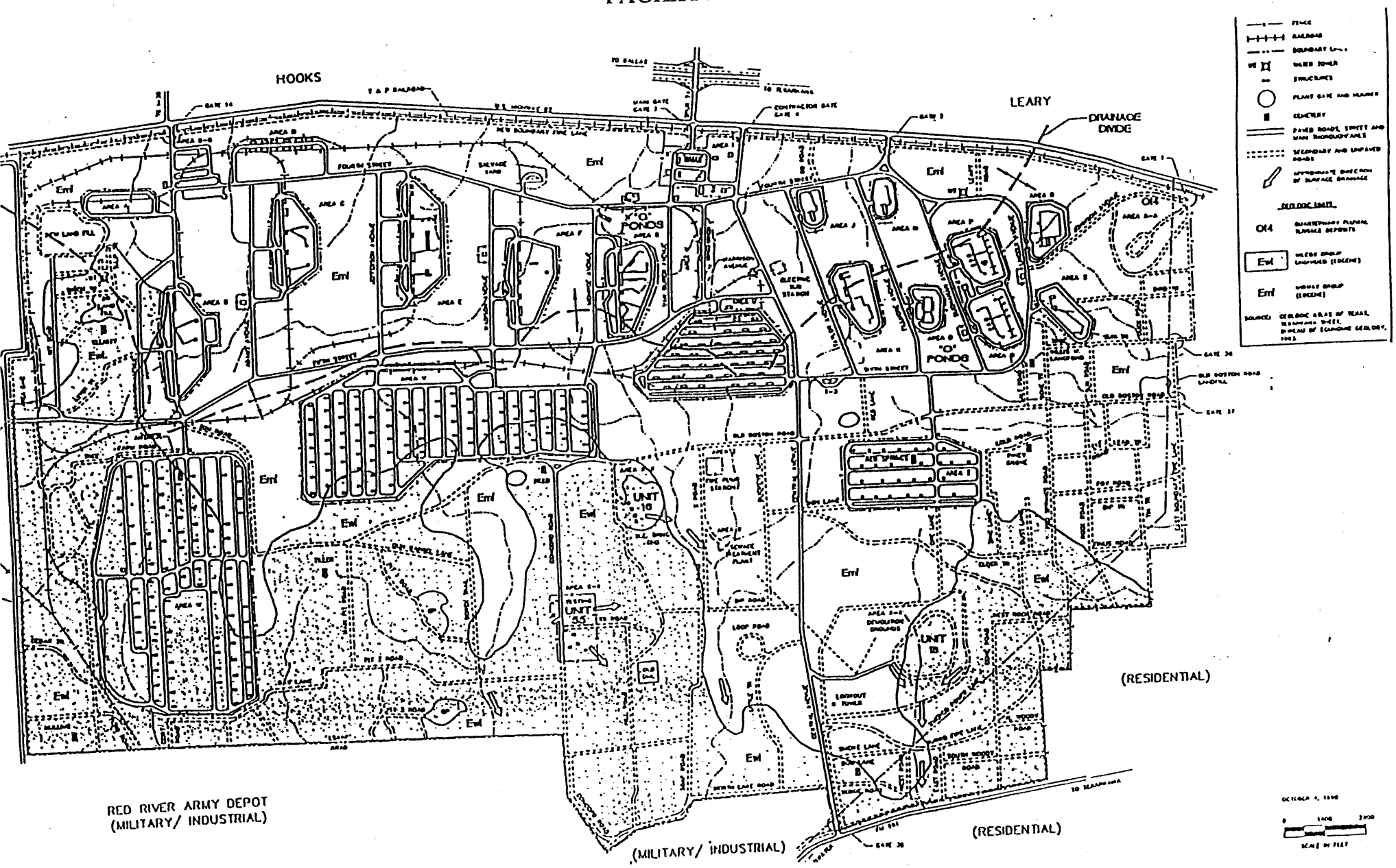
29. PROPERTY VOUCHER NUMBER

4th-98

LEGAL DESCRIPTION OF FACILITY (continued)

Permit No. HW-50292-001
Attachment B
Sheet 1 of 1

FACILITY MAP



List of Incorporated Application Materials

The following is a list of Part A and Part B Industrial and Hazardous Waste Application elements which are incorporated into Industrial and Hazardous Waste Permit No. HW-50292 by reference as per Provision I.B.

PART A Application Form

I. General Information
- A. - Facility Name
- B. - Facility Contact
- C. - Operator
- D. - Owner
- E. - Type of Application Submittal
- F. - Registration and Permit Information
- G. - Description of Business

II. Facility Background Information
- A. - Location of Facility
- B. - Legal Description of Facility
- C. - SIC Codes

III. Wastes and Waste Management
- A. - Waste Generation and Management Activities
- B. - Waste Management Units Summary
- C. - Location of Waste Management Units
- D. - Flow Diagram/Description
- Table III-1 Hazardous Waste Management Activities
- Table III-2 Hazardous Waste Management Unit Checklist

IV. Index of Attachments
- B. - Site Legal Description
- C. - Facility Boundaries and Adjacent Waters Map
- D. - Photographs
- E. - Process Flow Diagram Description

PART B Application Form

I. General Information
- A. - Facility Name
- B. - Facility Contact
- C. - Operator
- D. - Application Type and Facility Status
- E. - Facility Siting Summary
- F. - Wastewater and Stormwater Disposition
- G. - Adjacent Landowners List
- H. - Signature on Application
- I. - TCEQ Core Data Form Requirements

II. Facility Siting Criteria
- A. - Requirements for Storage or Processing Facilities, Land Treatment Facilities, Waste Piles, Storage Surace Impoundments, and Landfills
- 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
- D. - Waste Analysis Plan (refer to separate volume)
- Table IV.A. - Waste Management Information
- Table IV.B. - Waste Managed in Permitted Units
- Table IV.C. - Sampling and Analytical Methods

V. - Engineering Reports
- A. - General Engineering Reports
- B. - Container Storage Areas
- K. - Miscellaneous Units
- Table V.B - Container Storage Areas
- Table V.K - Miscellaneous Units

VI. Geology Report

VII. - Closure and Post-Closure Care Plans
- A. - Closure
- B. - Closure Cost Estimate
- C. - Post-closure
- Table VII.A - Unit Closure
- Table VII.C.5 - Land-based Units Closed under Interim Status

VIII. Financial Assurance

IX. - Releases from Solid Waste Units & Corrective Action
- A. - Preliminary Review Checklists
- B. - Appendices to Preliminary Review
- C. - Preliminary Review Submittal Format

X. Air Emission Standards

C. - Tanks, Surface Impoundments, and Containers

XI. Hazardous Waste Permit Application Fee
Table XI-1 - Hazardous Waste Units (for application fee calculations)
Table XI-2 - Hazardous Waste Permit Application Fee Worksheet

XII. Confidential Materials

Appendices
1 - Land Use Map
2 - Installation Spill Prevention Control and Countermeasures Plan
3 - Adjacent Landowners
4 - Personnel Training Plan
5 - General Plot Plan
6 - Engineer's Plans and Specifications
O & G Ponds Engineer's Plans
O & G Ponds Engineer's Drawings
7 - Topographic Map
8 - Closure/Post-closure Plans
9 - Engineer's Report
10 - Deed Recordations

Authorized Facility Units

TNRCC Permit Unit No.	Unit Name	Unit Description	Capacity
001	P-82 HWCSF	Container Storage Area	456 drums, 25,080 gallons
003	A-8 HWCSF	Container Storage Area	104 drums
004	T-2-1 HWSCF	Container Storage Area	11,800 gallons
005	T-3-2 HWSCF	Container Storage Area	216 drums, 11,800 gallons
006	T-4-2 HWSCF	Container Storage Area	11,800 gallons
007	HEBG HWSCA	Container Storage Area	35,200 gallons
009	HEDG	High Explosive Detonation Ground	5,400 lbs/day
010	XX-97 HWSCF	Container Storage Area	64 drums, 3520 gallons
013	HEBG - Pad 1	High Explosive Burning Ground Pad	14,500 lbs/day total for all 4 units
014	HEBG - Pad 2	High Explosive Burning Ground Pad	
015	HEBG - Pad 3	High Explosive Burning Ground Pad	
016	HEBG - Pad 4	High Explosive Burning Ground Pad	

Air Permit Provisions

A MISCELLANEOUS UNIT DESIGN, CONSTRUCTION, AND OPERATION REQUIREMENTS:

1 TCEQ Regulation I (30 TAC 111) shall be adhered to in observance of the following restrictions:

a. Burn and detonation operations shall not commence before one-half hour after sunrise or continue past one-half hour before sunset.

b. Burns and detonations shall not commence when the wind speed is less than 2.7 meters per second or greater than 15 meters per second or outside of the DOD and/or plant written weather parameters.

c. Burns or detonations shall not be conducted during periods of actual or predicted persistent (12 hours or more) low level atmospheric temperature inversions (non-surface based) or in areas covered by a current National Weather Service Stagnation Advisory.

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

a. Materials to open burned or open detonated are limited to those as represented in the application and written addendum to the application.

b. Additional explosive materials may be approved for open burn and open detonation provided that the company submits sufficient information to allow a review of impacts, off-property impacts do not exceed the published Effects Screening Limit (ESL), and the Executive Director of the TCEQ authorizes such explosive materials.

c. Items contaminated with or containing chemical warfare agents are prohibited from being burned. Examples of prohibited agents are:

(1) choking agents
(2) nerve agents
(3) blood agents
(4) blister agents
(5) incapacitating agents
(6) vomiting agents
(7) tear producing agents
(8) herbicide agents

3. The following parameters shall be observed:

a.. All outdoor burning or flashing will be conducted in the appropriate flashing pits or burning pans.

b. Burn event amounts are limited to 1500 pounds of high explosive propellants and 100 pounds of high explosive pyrotechnics on an hourly basis, unless further restricted elsewhere in the permit. Detonation events are limited to 1350 pounds of high explosives per hour. The amount of waste to be thermally processed shall be limited to 1560 tons of propellants per year, 31.2 tons of pyrotechnics per year, and 499.2 tons of detonation per year.

c. The following list of air contaminants may be present in limited quantities in the pyrotechnic waste to be burned. The emission rates of these contaminants shall not exceed:

Contaminant	Emission Rate (lbs/burn event)
barium	20
chromium	0.838
nickel	1.25

d. No hazardous waste, except those with the potential to detonate as described in 40 CFR 265.382, may be processed on the open burn and open detonation grounds.

B. CONTINUOUS DEMONSTRATION OF COMPLIANCE AND RECORDKEEPING:

1. Information and data concerning the date, type and quantity of wastes managed, waste analyses, facility inspections, operating hours, sampling, and monitoring data shall be maintained in the operating record at the plant site and shall be made available upon request to TCEQ personnel or any local environmental pollution control program having jurisdiction under the TCAA.

2. Records shall be maintained indicating, at a minimum, the date, time, unit name, weight, and composition of the wastes combusted in each unit at the burn and detonation grounds. The information shall be recorded for each burn or detonation event. Compliance with the annual emission lmits and operating schedules is based on a rolling 12-month period (i.e., updated monthly) rather than the calendar year. At a minimum, the definition of waste composition shall be provided in sufficient detail to identify the significant air contaminants. In addition, the records shall include the weight of chromium, nickel, or barium, if any, emitted in each burn event.

C. GENERAL AIR QUALITY CONDITIONS:

1. This facility shall be constructed and operated in accordance with and subject to the Texas Clean Air Act (TCAA) as amended (Chapter 382 of the Texas Health and Safety Code, (Vernon)) and all applicable Rules, Regulations, and Orders of the TCEQ. Said construction and operation is subject to any additional or amended Rules, Regulations, and Orders of the TCEQ adopted pursuant to the TCAA.

2. All representations with regard to construction plans and operating procedures in the permit application are conditions upon which this permit is issued. The permittee shall not vary from such representations if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in an increase in the discharge of any air contaminant, unless the permittee first makes application to the TCEQ to modify the permit and such modification is approved pursuant to the requirements of the TCQE Regulation X (30 TAC Chapter 120) and 30 TAC Chapter 335, Subchapter L. The TCEQ Central Office in Austin shall be notified at the time of such application to the TCEQ.

3. Modification of an existing facility unit shall be reported to the appropriate regional office of the TCEQ not later than ten working days after occurrence of the event.

4. Upon request by the Executive Director of the TCEQ, the permittee shall conduct sufficient sampling or other tests to prove satisfactory equipment performance. All calibration, sampling and testing procedures shall be approved by the Executive Director of the TCEQ and coordinated with the appropriate regional office representatives of the TCEQ.

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

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

7. The air quality provisions of this permit cover the sources of emissions listed in Table G.1, entitled "Emission Sources - Maximum Allowable Emission Rates".

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

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

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

11. The permittee shall operate the facility units in compliance with all requirements relating to air quality in the Resource Conservation and Recovery Act (RCRA) and the rules promulgated thereunder and in 30 TAC Chapter 335, Subchapter F.

TABLE G.1 EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

This table lists the maximum allowable emission rates and all sources of contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from the information submitted as a part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point Number [1]	Source Name [2]	Air Contaminant Name [3, 4]	Emission Rates [5] lb/hr	tons/yr
High Explosive Burning Ground	Open Burning Ground	CO	45	47
		NOx	120	125
		PM	144	150
High Explosive Detonation Ground	Open Detonation Ground	CO	290	120
		NOx	24	10
		PM	69	30

Notes:

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

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

3 The detonation ground includes the burning of both the propellants and pyrotechnics.

4 CO - carbon monoxide
NOx - total oxides of nitrogen
PM - particulate matter

5 The facilities are limited by the following maximum operating schedule:
hrs/day daylight
days/week 6
weeks/year 52