

Division of Solid and Hazardous Waste
401 East State Street
P.O. Box 414
Trenton, New Jersey 08625-0414
Phone# (609) 292-9880
Fax# (609) 633-9839

Hazardous Waste Facility Permit

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this permit is hereby issued to:

Detrex Corporation
835 Industrial Highway-Unit #1
Cinnaminson, NJ 08077

For the Purpose of Operating a:	Hazardous Waste Storage and Transfer Station Facility
On Lot No.:	5.01
Block No:	507
In the Municipality of:	Cinnaminson
County:	Burlington
Under Facility Permit No.:	0308E1HP05
EPA ID No.:	NJD 047 318 043

This permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This permit shall not prejudice any claim the state may have to riparian land, nor does it allow the permittee to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this state without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection or the U.S. Environmental Protection Agency.

June 20, 1996
Issuance Date

Signed by Thomas Sherman, Acting Assistant Director

Thomas Sherman
Acting Assistant Director
Division of Solid and Hazardous Waste

October 15, 1997
Reissuance Date

November 15, 1997
Effective Date

July 20, 2006
Expiration Date

March 12, 1999
Modification Date

Table of Contents

<u>Item</u>	<u>Page</u>
Scope of Permit	3
Description of Hazardous Waste Activities	3
Summary of Permit Compliance Conditions	3
Section I - General Conditions Applicable to all Permits	
1. Duty to Comply	5
2. Duty to Reapply	5
3. Need to Halt or Reduce Activity Not a Defense	5
4. Need to Mitigate	5
5. Proper Operation and Maintenance	5
6. Permit Actions	5
7. Property Rights	6
8. Duty to Provide Information	6
9. Inspection and Entry	6
10. Monitoring and Records	6
11. Signatory Requirement	7
12. Reporting Requirements	7
Section II - General Conditions Applicable to Detrex Corporation	
1. Permit Modification or Revocation and Reissuance	10
2. Personnel Training	10
3. Preparedness and Prevention	10
4. Contingency Plan	11
5. Security	12
6. Termination of a Permit	13
7. Operating Record	13
8. Permit Limitations	13
9. Financial Requirements	13
10. Compliance with Other State Regulations and Statutes	14
11. Property Lease Agreement	14
12. Submission of Documents Required by Permit Conditions	14
13. Referenced Permit Application Documents	15
Section III - Specific Conditions Applicable to Detrex Corporation	
1. Authorized Activities	17
2. Authorized Wastes	19
3. Waste Analysis and Quality Assurance Requirements	23
4. Inspection Requirements	25
5. Closure of Hazardous Waste Management Units	26
6. Construction/Installation Requirements	27

Scope of Permit

The hazardous waste rules at N.J.A.C. 7:26G were adopted by the New Jersey Department of Environmental Protection on October 21, 1996. By this adoption, the Department "incorporated by reference" (with limited exception) the July 1, 1993 version of the Federal hazardous waste regulations found at Parts 124, 260-266, 268 and 270, Title 40 of the Code of Federal Regulations (C.F.R.). Those provisions of the Federal regulations which were not incorporated by reference are listed in the State regulatory adoption. Additional changes to the New Jersey hazardous waste rules will be necessary to address Federal regulations adopted subsequent to July 1, 1993. The Department anticipates addressing these subsequent Federal regulations in a regulatory adoption sometime in 1997. At that time, the Department will adopt amendments to N.J.A.C. 7:26G to incorporate by reference those changes to the Federal regulations that have been made since July 1, 1993, and a prospective incorporation by reference which will incorporate all future amendments and supplements to the Federal regulations automatically. Within 180 days of the effective date of these amendments to N.J.A.C. 7:26G, the Department will initiate a modification of this permit to incorporate such provisions as are made necessary by the newly adopted rules.

The conditions of this permit are based on the New Jersey hazardous waste regulations at N.J.A.C. 7:26G and on the permit application submitted by the permittee. In order to eliminate confusion, and to clearly describe the precise obligations which are imposed upon the permittee, only the specific Federal regulatory citations as of July 1, 1993 are listed in the conditions of this permit. For the applicable State regulatory citations, refer to N.J.A.C. 7:26G.

This permit, along with the referenced permit application documents herein specified, shall constitute the sole Hazardous Waste Facility Permit for the construction and operation of a hazardous waste storage and transfer facility by Detrex Corporation located in Cinnaminson, Burlington County, New Jersey. Any registration, Approval or Permit previously issued by the Office of Permitting or its predecessor agencies is hereby superseded. The permittee need not comply with the conditions of this permit to the extent and for the duration such non-compliance is authorized by an emergency permit (40 C.F.R. § 270.61).

Section I of this permit contains the general conditions applicable to all hazardous waste facility permits. Section II of this permit contains general conditions applicable to Detrex Corporation hazardous waste facility permit. Section III of this permit contains specific conditions applicable to the hazardous waste management practices at the Detrex Corporation facility.

Modified 03/12/99

Description of Hazardous Waste Activities

Detrex Corporation's facility in Cinnaminson operates as a hazardous waste storage and transfer facility for the hazardous wastes of their customers, other off-site generators of hazardous wastes, and for other Detrex Corporation facilities. The hazardous waste activities at the facility involve storage of containerized hazardous waste in three (3) separate indoor storage areas isolated from each other by concrete berms and in storage trailers having a total storage capacity of twenty nine thousand forty (29,040) gallons (the equivalent of 528 fifty-five gallon drums) prior to transfer to an off-site authorized facility.

Summary of Permit Compliance Conditions at the Facility

Deleted 03/12/99

Class 2 Modification Dated 03/12/99

Based on a request for a Class 2 modification by the permittee, dated September 17, 1998 and the permittee's compliance with the 40 CFR 270.42 requirements for a Class 2 modification, the Department modified this permit on 03/12/99. The modification involved authorization to store ignitable hazardous waste in a storage trailer instead of the proposed Storage Area #1 as previously authorized, and a few administrative changes. Conditions 13 (a) of Section II; 1(a), 1(b), 1(c), 1(i), 1(j) 2(a), 2(b) and 6 of Section III of the permit have been modified to incorporate this change.

Section I

General Conditions Applicable to All Permits (40 C.F.R. § 270.30)

1. Duty to Comply

The permittee must comply with all 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 permit. (See 40 C.F.R. § 270.61). Any permit noncompliance, except under the terms of an emergency permit, constitutes a violation of the appropriate Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

2. Duty to Reapply

(a) If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.

(b) A complete application for a new permit shall be submitted at least one hundred eighty (180) days prior to the expiration date of this permit.

3. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

4. Need to Mitigate

In the event of noncompliance with the permit, the permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment.

5. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

6. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information

The permittee shall furnish to the Department, within a reasonable time, any relevant information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Department, upon request, copies of records required to be kept by this permit.

9. Inspection and Entry

The permittee shall allow an authorized representative of the Department upon the presentation of credentials and other documents as may be required by law to:

- (a) Enter at reasonable times upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- (d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by RCRA, any substances or parameters at any location.

10. Monitoring and Records

- (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, the certification required by 40 C.F.R. § 264.73(b)(9) of this chapter, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report, certification, or application. This period may be extended by request of the Department at any time. The permittee shall maintain records from all ground-water monitoring wells and associated ground-water surface elevations, for the active life of the facility, and for disposal facilities for the post-closure care period as well.
- (c) Records for monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements;
 - (2) The individual(s) who performed the sampling or measurements;
 - (3) The date(s) analyses were performed;

- (4) The individual(s) who performed the analyses;
- (5) The analytical techniques or methods used; and
- (6) The results of such analyses.

11. Signatory Requirements

All applications, reports, or information submitted to the Department shall be signed and certified. (see 40 C.F.R. § 270.11).

12. Reporting Requirements

(a) Planned Changes

The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility.

(b) Anticipated Noncompliance

The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. For a new facility, the permittee may not treat, store, or dispose of hazardous waste; and for a facility being modified, the permittee may not treat, store, or dispose of hazardous waste in the modified portion of the facility except as provided in 40 C.F.R. § 270.42, until:

- (1) The permittee has submitted to the Department by certified mail or hand delivery a letter signed by the permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; and
- (2) (i) The Department has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or
(ii) If, within 15 days of the date of submission of the letter in paragraph 12(b)1i of this section, the permittee has not received notice from the Department of his or her intent to inspect, prior inspection is waived and the permittee may commence treatment, storage, or disposal of hazardous waste.

(c) Transfers

This permit is not transferable to any person except after notice to the Department. The Department may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under RCRA. (See 40 C.F.R. § 270.40).

(d) Monitoring Reports

Monitoring results shall be reported at the intervals specified elsewhere in this permit.

(e) Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(f) Twenty-Four Hour Reporting

- (1) The permittee shall report any noncompliance which may endanger health or the environment orally within 24 hours from the time the permittee becomes aware of the circumstances, including:
 - (i) Information concerning the release of any hazardous waste that may cause an endangerment to public drinking water supplies.
 - (ii) Any information of a release or discharge of hazardous waste or of a fire or explosion from the HWM facility, which could threaten the environment or human health outside the facility.
- (2) The description of the occurrence and its cause shall include:
 - (i) Name, address, and telephone number of the owner or operator;
 - (ii) Name, address, and telephone number of the facility;
 - (iii) Date, time, and type of incident;
 - (iv) Name and quantity of material(s) involved;
 - (v) The extent of injuries, if any;
 - (vi) An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
 - (vii) Estimated quantity and disposition of recovered material that resulted from the incident.
- (3) A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The Department may waive the five-day written notice requirement in favor of a written report within fifteen days.
- (4) Oral Notification shall be provided to the NJDEP Hotline at (609) 292-7172. Written notification shall be provided to the Bureau of Hazardous Waste and Transfer Facilities and the Bureau of Hazardous Waste Enforcement at the addresses provided in Condition 12 of Section II of this permit.

(g) 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 letter report, including a copy of the manifest, to the Department. (See 40 C.F.R. §264.72.)

(h) Unmanifested Waste Report

This report must be submitted to the Department within 15 days of receipt of unmanifested waste. (See 40 C.F.R. §264.76.)

(i) Biennial Report

A biennial report must be submitted covering facility activities during odd numbered calendar years. (See 40 C.F.R. § 264.75.)

(j) Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraphs (d), (e) and (f) of this condition, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (f) of this condition.

(k) Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information.

End of Section I

Section II

General Conditions Applicable to Detrex Corporation Facility Permit

1. Permit Modification or Revocation and Reissuance

Cause for, and procedures of, modification, or revocation and reissuance of this permit shall be as provided under 40 C.F.R. § 270.41.

2. Personnel Training (40 C.F.R. § 264.16)

- (a) Facility personnel shall successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that insures the facility's compliance with the requirements of 40 C.F.R. § 264.16, as stated in the facility's Part B permit application, and as referenced in Condition 13(b) of Section II of this permit. New employees shall be trained within six (6) months of the date of employment.
- (b) The training program shall be maintained with records and documentation describing the type and amount of both introductory and continuing training that has been and will be given to each person engaged in hazardous waste management at the facility.
- (c) The permittee shall keep the training records on current personnel until closure of the facility; training records on former employees shall be kept for at least three (3) years from the date the employee last worked at the facility. Personnel training records may accompany personnel transferred within the same company.

3. Preparedness and Prevention (40 C.F.R. §264.30 through §264.37)

The facility shall be designed, constructed, maintained and operated to minimize the possibility of fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, surface water or groundwater which could threaten human health or the environment.

- (a) The facility shall be equipped with emergency equipment, including but not limited to:
 - (1) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel;
 - (2) A device, such as a telephone (immediately available at the scene of operations) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams;
 - (3) Portable fire extinguisher, fire control equipment, spill control equipment, and decontamination equipment; and
 - (4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.

- (b) All facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment, where required, shall be tested and maintained as necessary to assure its proper operation in time of emergency.

4. Contingency Plan (40 C.F.R. § 264.50 through § 264.56)

- (a) The provisions of the Contingency Plan included in the Part B permit application plus all amendments, revisions and modifications thereof subsequently submitted for review and accepted by the Department, and as referenced in Condition 13(b) of Section II of this permit, shall be carried out immediately whenever there is a fire, explosion or release of hazardous waste constituents which could threaten human health or the environment.

- (b) When an emergency coordinator determines that the facility has had a discharge, fire, or explosion which could threaten human health or the environment outside the facility, the emergency coordinator shall immediately notify the local Fire Department and local Police Department if an assessment indicates that evacuation of local areas may be advisable. The emergency coordinator shall be available to help officials decide if local areas should be evacuated. The telephone numbers are:

Fire Department: (609) 829-1111 or 911

Police Department: (609) 829-6666 or 911

- (c) (1) If the facility has a discharge, fire, or explosion which could threaten human health or the environment, the following shall be notified immediately:

New Jersey Department of Environmental Protection
Communication Center/Trenton Dispatch
Bureau of Communication and Support Services
Trenton, NJ 08625
Telephone (609) 292-7172 (24 Hours)

- (2) Additionally, if the emergency coordinator determines that the facility has had a discharge, fire, or explosion which could threaten human health or the environment outside the facility, the emergency coordinator shall immediately notify:

National Response Center
2100 Second Street, SW
Washington, D.C. 20593
Telephone 1-800-424-8802 (24 Hours)

- (d) If the emergency coordinator determines that the facility has had a discharge, fire, or explosion which would threaten human health or the environment, the emergency coordinator shall immediately notify the agencies listed in Condition 4(c) above. When notifying these agencies, the coordinator shall report the type of substance and the estimated quantity discharged, if known; the location of the discharge; actions the person reporting the discharge proposes to take to contain, clean up and remove the substance if any and any other information concerning the discharge which the Department may request at the time of notification.

- (e) The owner or operator shall note in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within 15 days after the incident, the owner or operator shall submit a written report on the incident to the Department. The report shall include, but not be limited to:
 - (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 human health or the environment, where this is applicable; and
 - (7) An estimated quantity and disposition of recovered material that resulted from the incident.

5. Security (40 C.F.R. § 264.14)

- (a) The permittee must maintain the security procedures as described in the facility's Part B permit application plus all amendments, revisions and modifications thereof subsequently submitted for review and accepted by the Department, and as referenced in Condition 13(a) of Section II of this permit.
- (b) The permittee shall prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portion of the facility.
 - (1) A facility shall have:
 - (i) A 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility; or
 - (ii) An artificial or natural barrier, which completely surrounds the active portion of the facility; and a means to control entry, at all times, through the gates or other entrances to the active portion of the facility.
 - (2) The requirements of paragraph (b)1 are satisfied if the hazardous waste storage, treatment or disposal site is located in a facility which itself has a surveillance system, or a barrier and a means to control entry, which complies with the requirements of subparagraph (b)1i or (b)1ii.
 - (3) The owner or operator shall post a sign with the legend, "Danger - Unauthorized Personnel Keep Out", at each entrance to the active portion of a facility, and at other locations, in sufficient numbers to be seen from any approach to this active portion. The legend shall be written in English and in any other language prevalent in the area surrounding the facility and must be legible from a distance of at least twenty five (25) feet. Existing signs with a legend other than "Danger - Unauthorized Personnel

Keep Out" may be used if the legend on the sign indicates that only authorized personnel are allowed to enter the active portion, and that entry onto the active portion can be dangerous.

6. Termination of a Permit (40 C.F.R. § 270.43)

The following are causes for terminating a permit during its term or for denying a permit renewal application:

- (a) Noncompliance with any condition of this permit; or
- (b) The permittee's failure in the application or during the permit issuance process to disclose fully all relevant facts, or the permittee's misrepresentation of any relevant facts at any time; or
- (c) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.

7. Operating Record (40 C.F.R. § 264.73)

The permittee shall keep a written operating record at the facility in which the information required under 40 C.F.R. § 264.73(b) shall be recorded. The information shall be recorded as it becomes available and maintained in the operating record until closure of the facility.

8. Permit Limitations (40 C.F.R. § 270.4(c))

The issuance of this permit does not authorize any injury to persons or property or invasion of other private rights or any infringement of applicable Federal, State, or local laws or regulations.

9. Financial Requirements (40 C.F.R. Part 264 Subpart H)

- (a) The permittee shall maintain financial responsibility for bodily injury and property damage to third parties caused by sudden accidental occurrences arising from operations of the facility. The permittee shall have and maintain liability coverage for sudden occurrences in the amount of at least \$1 million per occurrence with an annual aggregate of at least \$2 million exclusive of legal defense costs. The permittee shall demonstrate financial responsibility for sudden accidental occurrences according to the mechanisms given in 40 C.F.R. § 264.147 paragraphs (a)(1), (2), (3), (4), (5) or (6).
- (b) The permittee shall establish financial assurance for closure of the facility. The permittee shall use a financial assurance mechanism approved by the Department, from the options specified in paragraphs (a) through (f) of 40 C.F.R. § 264.143.
- (c) The permittee shall have a detailed written closure cost estimate of closing the facility in accordance with 40 C.F.R. § 264.142(a). The permittee shall adjust the closure cost estimate for inflation within sixty (60) days prior to the anniversary date of the establishment of the financial instrument(s) used to comply with 40 C.F.R. § 264.143. If the permittee uses the financial test or corporate guarantee, the closure cost estimate shall be updated for inflation within thirty (30) days after the close of the firm's fiscal year and before submission of the updated information to the Department. The adjustment may be made by recalculating the maximum costs of closure in current dollars, or by using an inflation factor derived from the

most recent Implicit Price Deflator for Gross National Product or Gross Domestic Product published by the U.S. Department of Commerce in its *Survey of Current Business*. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year.

- (1) The first adjustment is made by multiplying the closure cost estimate by the inflation factor. The result is the adjusted closure cost estimate.
- (2) Subsequent adjustments are made by multiplying the latest adjusted closure cost estimate by the latest inflation factor.
- (d) During the active life of the facility, the permittee shall revise the closure cost estimate no later than (30) days after the Department has approved the request to modify the closure plan, if the change in the closure plan increases the cost of closure. The revised closure cost estimate must be adjusted for inflation as specified in 40 C.F.R. § 264.142(b).
- (e) The permittee shall keep at the facility during the operating life of the facility, the latest closure cost estimate prepared in accordance with 40 C.F.R. § 264.142(a) and (c) and, when this estimate has been adjusted in accordance with 40 C.F.R. § 264.142(b), the latest adjusted closure cost estimate.
- (f) The wording of all financial documents (except for the insurance policy itself) that are submitted under paragraphs (a), (b) and (c) of this Condition must be as per 40 C.F.R. § 264.151 with the changes specified at N.J.A.C. 7:26G-8.1(c)8.

10. Compliance with Other State Regulations and Statutes

The permittee shall comply with all regulations of the Department of Environmental Protection and other State Statutes applicable to the facility. Regulations are effective upon publication in the New Jersey Register or as otherwise indicated in the Notice of Adoption in the New Jersey Register.

11. Property Lease Agreement

The permittee shall maintain a current property lease agreement between Detrex Corporation and Whitesell Enterprises during the term of this permit.

- (a) If the property lease agreement is terminated before the expiration date of this permit, then this permit expires of its own accord, effective the date of termination of the lease agreement.
- (b) The permittee shall submit one of the following items to the Department on or before January 16, 1998:
 - (1) Written documentation demonstrating that the property lease agreement has been extended to the full term of the permit; or
 - (2) Notification of intent to begin closure activities upon termination of the lease agreement, in accordance with Condition 6 of Section II of this permit.

12. Submission of Documents Required by Permit Conditions

The permittee shall submit all permit compliance documents required by this permit to the following:

- (a) New Jersey Department of Environmental Protection
Office of Permitting
Bureau of Hazardous Waste and Transfer Facilities
CN 421
Trenton, NJ 08625-0421
- (b) New Jersey Department of Environmental Protection
Solid and Hazardous Waste Enforcement
Bureau of Hazardous Waste Enforcement - Central Section
CN 407
Trenton, NJ 08625-0407

13. Referenced Permit Application Documents

- (a) The permittee shall operate the facility, and construct or install associated appurtenances thereto, in accordance with the regulations contained in 40 C.F.R. Parts 260 through 270, the conditions of this permit, and the following permit application documents:
 - (1) Detrex Corporation's Part B permit application for the New Jersey Hazardous Waste Facility permit renewal, dated September 28, 1995, signed by Gerald Israel, Vice President.
 - (2) Additional information to the permit renewal application submitted by Detrex Corporation, dated March 16, 1996, signed by David Craig, Corporate Environmental and Safety Engineer.
 - (3) Additional information submitted by Detrex Corporation revising the layout of the proposed container storage areas, dated June 9, 1997, signed by Stan Miles, Compliance Officer.
 - (4) Additional information submitted by Detrex Corporation dated August 26, 1997, signed by David Craig, Manager of Environmental and Safety Compliance.
 - (5) The following drawings submitted:
 - (i) Attachment B-2, Topographic Survey Map, dated April 1, 1982, signed and sealed by William J. McCamy, P.E.
 - (ii) Attachment B-5, Facility Plan, dated February 10, 1972, signed and sealed by William J. McCamy, P.E.
 - (iii) Attachment B-6, Facility Sprinkler Systems, dated September 21, 1995, signed and sealed by William J. McCamy, P.E.
 - (iv) Attachment D-1, Facility Plan, dated September 25, 1995, signed and sealed by William J. McCamy, P.E.
 - (v) Attachment D-3, Loading and Unloading Areas, dated September 25, 1995, signed and sealed by William J. McCamy, P.E.

- (vi) Attachment D-5, Secondary Containment System: Typical Cross-sectional Details of Ramps, dated September 25, 1995, signed and sealed by William J. McCamy, P.E.

Added 03/12/99

- (vii) "As Built" Plan Containment Area, dated April 6, 1998, signed and sealed by Glenn M. Wallace, P.E.

Added 03/12/99

- (6) Modification Requests by Detrex Corporation, dated September 17, 1998, signed by Stan Miles, Compliance Officer; dated November 4, 1997, signed by David Craig, Manager of Environmental and Safety Compliance; and dated February 17, 1999, signed by Bob Benson, Regional Manager.

In case of conflict, the applicable hazardous waste management regulations contained in 40 C.F.R. shall have precedence over the conditions of this permit, and the conditions of this permit shall have precedence over the Part B permit application documents listed above.

- (b) One complete set of the permit application documents listed in Condition 13(a) above, this Hazardous Waste Facility Permit, and all records, reports and plans as may be required pursuant to this permit shall be kept on-site and shall be available for inspection by authorized representatives of the Department upon presentation of credentials. The records, reports and plans required pursuant to this permit include the following:
 - (1) The description of the personnel training program and the records required by Condition 2 of Section II of this permit and 40 C.F.R. § 264.16.
 - (2) The Contingency Plan required by Condition 4 of Section II of this permit and 40 C.F.R. § 264.50, and specifically the plan prepared by Detrex Corporation dated September 20, 1995 and subsequent revisions.
 - (3) The written Operating Record required by Condition 7 of Section II of this permit and 40 C.F.R. § 264.73.
 - (4) Copies of the financial documents and closure cost estimate required by Condition 9 of Section II of this permit and 40 C.F.R. 264.140.
 - (5) The Waste Analysis Plan outlined in Condition 3 of Section III of this permit and as required by 40 C.F.R. § 264.13, and specifically the plan prepared by Detrex Corporation dated September 21, 1995 and subsequent revisions.
 - (6) The Inspection Schedule required by 40 C.F.R. § 264.15(b) and the records required by Condition 4 of Section III of this permit.
 - (7) The Closure Plan required by Condition 5 of Section III of this permit and 40 C.F.R. § 264.112 and specifically the plan prepared by Detrex Corporation dated September 21, 1995 and subsequent revisions.

End of Section II

Section III

Specific Facility Conditions Applicable to Detrex Corporation

1. Authorized Activities

Modified 03/12/99

- (a) The permittee is authorized to store hazardous waste of the types specified in Condition 2(a) of Section III of this permit in containers for a maximum of twenty nine thousand forty (29,040) gallons (the equivalent of 528 fifty-five gallon drums) in the storage areas as follows:

<u>Storage Area I.D.</u>	<u>Design Capacity</u>	<u>Container Size</u>	<u>Aisle Space</u>
Storage Area #1 (Trailer Storage)	7,920 gallons	Any container up to 550 gallons	18 inches minimum
Storage Area #2	7,040 gallons	Same as above	Same as above
Storage Area #3	7,040 gallons	Same as above	Same as above
Storage Area #4	7,040 gallons	Same as above	Same as above

Condition 1(b) Deleted 03/12/99

Modified 03/12/99

- (c) A secondary containment system, constructed of steel reinforced concrete, shall be provided for Storage Areas #2 through #4 and maintained free of cracks or gaps and of adequate capacity and be sufficiently impervious to contain leaks and spills until the collected material is detected and removed. The base shall have adequate structural integrity to withstand the maximum stress applied to the base due to activities or structures placed in the containment area. Trailers used for storage of hazardous waste in Storage Area #1 shall be equipped with welded aluminum pans with removable spill gates to provide for secondary containment. All welds and seals in the aluminum pans and gates shall be leak proof and have adequate capacity to contain leaks and spills until the collected material is detected and removed. The secondary containment system shall be maintained and operated to efficiently drain and remove liquids resulting from leaks and spills.
- (d) Spilled or leaked waste shall be removed from the secondary containment systems in a timely manner, to prevent blockage or overflow of the collection system.
- (e) If a container holding hazardous waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the permittee shall transfer the hazardous waste from the container to a container that is in good condition or manage the waste in some other way that complies with the requirements of 40 C.F.R. § 264.171.
- (f) The containers shall be managed in compliance with all provisions of 40 C.F.R. § 264.173.
- (g) The permittee shall not place a waste which is incompatible with waste already in a container, or incompatible with a material of construction of a container, in that container. The permittee shall not place a hazardous waste in an unwashed container which previously held an incompatible waste or material. The permittee shall evaluate each waste, prior to its addition to any container, to ensure compliance with 40 C.F.R. § 264.17(b).
- (h) The containerized wastes received at the facility shall be initially placed in the staging areas identified in Attachment D-1 and D-3 of the Part B permit renewal application cited in Condition 13(a) of Section II of this permit. The permittee shall screen the wastes in accordance with Condition 3 of Section III of this permit to determine the acceptability and compatibility classification of the wastes. If acceptable, the containers shall be moved to one of the storage areas identified under paragraph 1(a) or 1(b) above.

Modified 03/12/99

- (i) The permittee shall store ignitable wastes only in trailers in Storage Area #1. The permittee shall comply with the special requirements for ignitable waste as provided at 40 C.F.R. §§ 264.17(a) and 264.176 for all containers holding ignitable wastes.

Modified 03/12/99

- (j) Containers shall not be stacked higher than the height of two (2) fifty-five gallon drums in Storage Areas #2 through #4. Containers in trailers in Storage Area #1 shall not be stacked.
- (k) Containers of hazardous waste that have been rejected by the ultimate treatment, storage and disposal (TSD) facility and subsequently returned to the permittee, shall be stored in the storage areas specified in Condition 1(a) or 1(b) of Section III of this permit. Contents of these containers shall remain in the original sealed containers. The permittee may return the

wastes to the original generator or shall ship off-site to another authorized TSD facility. While in storage, the rejected containers shall be managed in accordance with all provisions of this permit.

- (l) The permittee shall not store hazardous waste at any location at the facility other than those authorized in paragraph (a) above.
- (m) The permittee must obtain a prior approval from the Office of Permitting to make any changes or alterations to the authorized activities in this condition.

2. Authorized Wastes

Modified 03/12/99

- (a) The permittee is authorized to accept the following waste types in containers from their customers and other off-site generators, and other Detrex Corporation facilities for storage at the facility prior to transfer to an authorized facility:

Hazardous
Waste Codes

Description of Hazardous Waste

F001

The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetra- chloride, and chlorinated fluoro- carbons; all spent solvent mixtures/ blends used in degreasing containing, before use, a total of 10 percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004 and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

F002

The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-tri- chloroethane, chlorobenzene, 1,1,2-tri- chloro-1,2,2-trifluoroethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of 10 percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and the still bottoms from the recovery of these spent solvents and spent solvent mixtures.

F003

The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, a total of 10 percent or more (by volume) of one or more of the non-halogenated solvents listed above or those solvents listed in F001, F002, F004 and F005; and the

still bottoms from the recovery of these spent solvents and spent solvent mixtures

- | | |
|------|---|
| F004 | The following spent non-halogenated solvents: cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of 10 percent or more (by volume) of the above non-halogenated solvents or those solvents listed in F001, F002 and F005; and all still bottoms from the recovery of these spent solvents and spent solvent mixtures |
| F005 | The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/ blends containing, before use, a total of 10 percent or more (by volume) of one or more of the non-halogenated solvents listed above or those solvents listed in F001, F002 or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures |
| D001 | Hazardous waste which exhibits the characteristic of ignitability as defined at 40 C.F.R. §261.21 |
| D002 | Hazardous waste which exhibits the characteristic of corrosivity as defined at 40 C.F.R. §261.22 |
| D006 | Toxicity Characteristic of Cadmium by TCLP |
| D007 | Toxicity Characteristic of Chromium by TCLP |
| D008 | Toxicity Characteristic of Lead by TCLP |
| D009 | Toxicity Characteristic of Mercury by TCLP |
| D010 | Toxicity Characteristic of Selenium by TCLP |
| D011 | Toxicity Characteristic of Silver by TCLP |
| D012 | Toxicity Characteristic of Endrin by TCLP |
| D013 | Toxicity Characteristic of Lindane by TCLP |
| D016 | Toxicity Characteristic of 2,4-D by TCLP |
| D018 | Toxicity Characteristic of Benzene by TCLP |
| D019 | Toxicity Characteristic of Carbon Tetrachloride by TCLP |

D020	Toxicity Characteristic of Chlordane by TCLP
D021	Toxicity Characteristic of Chlorobenzene by TCLP
D022	Toxicity Characteristic of Chloroform by TCLP
D023	Toxicity Characteristic of o-Cresol by TCLP
D024	Toxicity Characteristic of m-Cresol by TCLP
D025	Toxicity Characteristic of p-Cresol by TCLP
D026	Toxicity Characteristic of Cresol by TCLP
D027	Toxicity Characteristic of 1,4-Dichlorobenzene by TCLP
D028	Toxicity Characteristic of 1,2-Dichloroethane by TCLP
D029	Toxicity Characteristic of 1,1-Dichloroethylene by TCLP
D031	Toxicity Characteristic of Heptachlor (and its hydroxide) by TCLP
D032	Toxicity Characteristic of Hexachlorobenzene by TCLP
D034	Toxicity Characteristic of Hexachloroethane by TCLP
D035	Toxicity Characteristic of Methyl Ethyl Ketone by TCLP
D037	Toxicity Characteristic of Pentachlorophenol by TCLP
D038	Toxicity Characteristic of Pyridine by TCLP
D039	Toxicity Characteristic of Tetrachloroethylene by TCLP
D040	Toxicity Characteristic of Trichloroethylene by TCLP
D041	Toxicity Characteristic of 2,4,5-Trichlorophenol by TCLP
D042	Toxicity Characteristic of 2,4,6-Trichlorophenol by TCLP

K048	Dissolved air floatation float (DAF) from the petroleum refining industry
K049	Slop oil emulsion solids from the petroleum refining industry
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry
K051	API separator sludge from the petroleum refining industry
K052	Tank bottoms (leaded) from the petroleum refining industry
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes
Wastes corresponding to the following U and P codes:	Discarded commercial chemical products or manufacturing intermediates
U002, U019, U031, U037, U044, U052, U057, U072, U075 through U078, U080, U110, U112, U113, U121, U127, U131, U140, U154, U159, U161, U188, U196, U208, U209, U210, U211, U220, U226 U228, U239, P005 and P051	

Condition 2(b) Deleted 03/12/99

3. Waste Analysis and Quality Assurance Requirements

- (a) The permittee shall adhere to the provisions of the Waste Analysis Plan cited in Condition 13(b)5 of Section II of this permit, and any subsequent revisions approved by the Division of Solid and Hazardous Waste.
- (b) The permittee shall not accept any waste from any generator without having made a prior determination that each candidate waste stream is adequately classified as a waste authorized for acceptance at the facility in accordance with Condition 2 of this section. The facility shall determine the acceptability of each candidate waste stream as follows:
 - (1) The permittee shall obtain a completed "Generator's Waste Material Profile Sheet" (MPS) and/or a preshipment sample for analysis from each generator for each waste stream as described in Section C1 of the Waste Analysis Plan cited in Condition 13(b)5 of Section II of this permit. The MPS may be completed by using generator knowledge of the process generating the waste and the material.
 - (2) The permittee shall ensure that the pre-shipment samples have been taken by the permittee's trained personnel or by the generator using SW-846 methods. The samples shall be representative of the actual waste material to be shipped. The laboratory evaluation of the samples shall be conducted by one of Detrex Corporation's laboratories or Detrex approved off-site laboratories and maintained at the facility. Upon review of the completed MPS and/or evaluation of samples, the permittee shall determine the acceptability of the waste stream and authorize shipment, if appropriate. If the waste stream is found acceptable, the permittee shall determine the appropriate waste group and reactivity number in accordance with Section C-2b(4) and Section F-5 of the Waste Analysis Plan cited in Condition 13(b)5 of Section II of this permit and add this information to the MPS maintained at the facility.
 - (3) The permittee shall update the MPS for every waste stream authorized for shipment at the facility by requiring the generator to submit updated information once every year or whenever the permittee has reason to believe that the process generating a previously evaluated waste stream has been altered by the generator. If upon review of the new information, the permittee determines that additional analytical data is required to characterize the waste stream, all necessary sampling and analysis shall be performed.
- (c) After the receipt of the waste at the facility, the permittee shall compare the manifest with the MPS for conformity. If in conformance, the permittee shall conduct screening of the waste except for the wastes received in accordance with Condition 3(e) of Section III of this permit. The waste screening process shall consist of visual examination, sampling and analysis of the waste. Specifically, every drum shall be sampled individually within the facility's contained staging area using the SW-846 methods. A visual examination of the samples shall be conducted to identify any unexpected characteristics, such as color, consistency, odor, and physical state. The permittee may composite samples of up to ten (10) containers of the same waste stream received from the same generator. The samples shall be

analyzed for the parameters described in Table C-2 of the Waste Analysis Plan cited in Condition 13(b)5 of Section II of this permit. Test methods corresponding to the analytical parameters shall be as described below:

<u>Parameter</u>	<u>Test Method</u>
Flammability	ASTM Method D4982-89
Specific Gravity	*ASTM Method D1298, D0891
pH	SW-849 Methods 9040, 9041, ASTM D2110
Reactive Cyanide	Standard Methods 17th Edition, Method 4500-CN

*The permittee may use the alternate method for checking specific gravity described under Attachment C-5 of the Part B permit renewal application cited in Condition 13(a) of Section II of this permit to determine approximate recoverable solvent in the waste destined for reclamation.

In addition to the above, the permittee shall conduct appropriate tests to identify the presence of any toxicity characteristic (TC) constituents in the hazardous waste using the toxicity characteristic leaching procedures (TCLP) for any waste stream destined for land disposal.

- (d) If the analytical test results are consistent with the information provided in the MPS and/or the test results of the representative pre-shipment samples, the waste may be accepted by the permittee. If analytical test results indicate that the waste cannot be accepted at the facility, the permittee shall either reject all containers used in making the composite or shall take representative samples from each container used in making the composite and analyze separately to determine which container(s) contributed to the unacceptable results. Containers which are unacceptable shall be rejected in accordance with the provisions of this permit.
- (e) Prior to accepting a shipment of a waste stream from other Detrex Corporation facilities, the permittee shall obtain a copy of the results of completed waste analysis performed on the waste stream which shall include all the test parameters listed under Condition 3(c) above.
- (f) Upon acceptance of the waste, the permittee shall conduct compatibility determination to ensure that incompatible wastes are not stored in the same secondary containment unit. The compatibility determination shall be done in accordance with the procedures described in Sections C-2f(3) and F-5 of the Part B permit renewal application cited in Condition 13(a) of Section II of this permit.
- (g) The permittee shall not accept any waste for storage or transfer at the facility unless the facility is authorized to accept the waste under Condition 2 of this section of the permit.
- (h) If the permittee is offered a hazardous waste which the permittee is not authorized to accept, the permittee shall:
 - (1) Not accept the waste from the hauler;
 - (2) Instruct the hauler to contact the generator for further instructions;

- (3) Telephone the generator, and inform the generator that the permittee is not authorized to accept the waste and that the permittee has instructed the hauler to contact the generator for further instructions;
 - (4) Follow-up the telephone call to the generator with a letter verifying the telephone conversation;
 - (5) Telephone the Department, at (609) 292-8341, and report the unauthorized waste shipment; and
 - (6) Follow-up the telephone call to the Department with a letter verifying the telephone conversation.
- (i) Sampling methods shall be in accordance with the procedures outlined in the waste analysis plan cited in Condition 13(b)5 of Section II of this permit, and shall employ equipment as prescribed in the latest edition of EPA Manual SW-846.
 - (j) The permittee shall adhere to all waste analysis protocol specified in the Waste Analysis Plan cited in Condition 13(b)5 of Section II of this permit.
 - (k) The permittee shall maintain in the written Operating Record required by Condition 7 of Section II of this Permit, as per 40 C.F.R. §264.73(b)(3), records and results of all waste analyses performed. Such records and results shall be entered into the written Operating Record as they become available and shall be maintained until closure of the facility.
 - (l) The permittee shall also maintain the following information in the written Operating Record:
 - (1) The individual who performed the sampling or measurements;
 - (2) The date analyses were performed;
 - (3) The individual who performed the analysis;
 - (4) The results from the tests for the parameters listed in the above table; and
 - (5) Copies of all manifests for a period of 3 (three) years from the date of delivery.
 - (m) No changes shall be made to the waste analysis plan without the prior approval of the Division of Solid and Hazardous Waste.

4. Inspection Requirements (40 C.F.R. §264.15, §264.174 and §270.14(b)5)

- (a) The permittee shall comply with the inspection requirements of 40 C.F.R. § 264.174, and the plan referenced in Condition 13(b) of Section II of this permit. The permittee shall inspect the areas and items 1 through 10 listed below at least weekly for deterioration or malfunction which may cause discharge of hazardous waste or a threat to human health or the environment. The results of the inspection shall be maintained for at least three (3) years from the date of inspection at the Detrex Corporation facility. The permittee shall conduct inspections as outlined below:

- (1) All containers securely closed
 - (2) Any leaking containers or spills
 - (3) Any deteriorating containers
 - (4) Any containers swollen or bulged
 - (5) Any containers concaved due to internal vacuum build up
 - (6) Any containers with corrosion
 - (7) All containers properly labeled and identified
 - (8) All containers compatible with waste stored in them
 - (9) Indications of cracks or leaks in concrete floor, concrete curbs, or concrete vehicle ramps
 - (10) Container aisle space access - minimum 18"
- (b) The container storage area safety/emergency equipment shall be inspected as outlined in the Inspection Plan section of the Part B permit application referenced in Condition 13(a) of Section II of this permit.
- (c) The permittee shall remedy any deterioration or malfunction of equipment or structures which the inspection reveals on a schedule which ensures that the problem does not lead to an environmental or human health hazard. Where a hazard is imminent or has already occurred, remedial action shall be taken immediately.
- (d) A log shall be kept of the inspections and any remediation actions described under paragraphs (a) through (c) above to confirm adequate maintenance of the hazardous waste storage area and all appurtenances.

5. Closure of Hazardous Waste Management Units (40 C.F.R. § 264.110)

- (a) At the time of final closure, the permittee shall close the Hazardous Waste Container Storage Units in the manner that is stated in 40 C.F.R. § 264.110, and the closure plan referenced in Condition 13(b)7 of Section II of this permit, and the following:
- (1) The permittee shall remove and ship all waste from the hazardous waste container storage areas specified in condition 1 of this section to an authorized facility within ninety (90) days from the date of implementation of the closure plan.
 - (2) The permittee shall decontaminate the hazardous waste container storage area secondary containment units as follows: the secondary containment areas shall be swept, and all sweepings placed in DOT-approved containers for shipment off-site to an authorized facility. Subsequently, the secondary containment areas shall be cleaned by washing/scrubbing followed by a triple rinse. The wash water resulting from the decontamination process shall be placed in DOT approved containers for shipment off-site to an authorized facility.
 - (3) The permittee shall test the final wash water from the decontamination of the hazardous waste container storage areas and a wash water blank for all the major constituents that were in storage, using test methods listed in the Waste Analysis Plan cited in Condition 13(b)5 of Section II of this permit. Decontamination methods shall be repeated until the concentrations of the final wash water test parameters are equal to the amount present in a wash water blank. Wash water analysis results shall be submitted to the Department at the address listed in

Condition 12(a) of Section II of this permit within sixty (60) days from the date of sampling for review and approval of adequate decontamination.

- (4) Within two hundred forty (240) days from the date of implementation of the closure plan, when closure is completed, the owner or operator shall submit to the Department, at the address listed in Condition 12(a) of Section II of this permit, by registered mail, 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 the conditions of this permit. The certification must be signed by the owner or operator and signed and sealed by an independent professional engineer registered in the State of New Jersey.
 - (5) The Department will review the submitted certification and rinse water analysis results and will conduct a closure certification inspection. If the rinse water analysis results are determined to be satisfactory and there is a satisfactory closure certification inspection, the closure certification will be accepted by the Department and the closure will be deemed complete.
- (b) The permittee shall keep a copy of the closure plan and all revisions to the plan at the facility until closure is completed.
 - (c) The permittee shall amend the closure plan any time changes in operating plans or facility design affect the closure plan or whenever there is a change in the expected year of closure of the facility. The permittee must comply with the requirement cited at 40 C.F.R. § 264.112(c)(3) for amendment of closure plan.
 - (d) The permittee shall notify the Department at least forty five (45) days prior to the date the permittee expects to begin closure, except in cases where the facility's permit is terminated or if the facility is otherwise ordered by judicial decrees or compliance order to close. The date when the owner or operator "expects to begin closure" shall be within thirty (30) days after the date on which the owner or operator expects to receive the final volume of waste.

Condition 6, Construction/Installation Requirements, Deleted 03/12/99

End of Section III

DOCUMENT: DETREX.RRP

