

Department of Environmental Protection

Lawton Chiles Governor Central District 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3767

Virginia B. Wetherell Secretary

980-559-728 FAD

CERTIFIED Z-470-671-285

Mr. Patrick Sullivan Chemical Conservation Corporation 10100 Rocket Boulevard Orlando, Florida 32824

OCD-HW/P-98-0322

Orange County - HW Chemical Conservation Corporation Hazardous Waste Construction / Operating Permit Permit Number HC02-0026916-001 & HO02-0026916-002

Dear Mr. Sullivan:

Enclosed is Permit Number HC02-0026916 & HO02-0026916, dated <u>November 6, 1998</u>, to continue operation of the permitted storage facility and permit construction & operation to take place for the Hazardous Waste Fuel Blending System and Characteristic Hazardous Wastewater Treatment System, issued pursuant to Section 403.722, Florida Statutes.

Any party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice accompanied by the applicable filing fees with the appropriate District Court of Appeals.

The Notice of Appeal must be filed within thirty (30) days from the date this Notice is filed with the Clerk of the Department.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Vivian F. Garfein **Director of District Management** 

Date: 710/111

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Chemical Conservation, Corp. Page 2

#### FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

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VFG/wmb/rts/ca

Enclosure: Permit

Copies furnished to: Satish Kastury, FDEP Tallahassee Doug Outlaw, FDEP Tallahassee Kent Williams, EPA Region IV

#### CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 100.6, 1992 to the listed persons by



# Department of Environmental Protection

Lawton Chiles Governor Central District 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3767

Virginia B. Wetherell Secretary

Permittee:

Chemical Conservation Corporation 10100 Rocket Boulevard Orlando, Florida 32824 I.D. Number: FLD 980 559 728 Permit Number: HC02-0026916-001 & HO02-0026916-002 Date of Issue: November 6, 1998 Expiration Date: November 6, 2003 County: Orange Latitude: 28° 25' 04'' N Longitude: 81° 23' 10'' W Section 11/ Township 24/ Range 29 Project: Construction and Operation of a Hazardous Waste Storage & Treatment Facility

This permit is issued under the provisions of Chapter 403.722, Florida Statutes and Florida Administrative Code Rules (F.A.C.), 62-3, 62-4 and 62-730. The above named permittee is hereby authorized to operate a hazardous waste treatment and storage facility as shown in the application and approved drawings, plans, and other documents on file with the Department and made a part hereof and specifically described as follows:

Chemical Conservation Corporation (CCC), located in Orlando, Florida, is a registered transporter of hazardous waste and presently operates a permitted storage facility where consolidation and transfer facility activities occur. The proposed facility to be constructed and referenced in the permit application will utilize the existing container storage unit, add a container processing system, a tank storage area for fuel blending and hazardous wastewater treatment.

Containers arriving at CCC contain "permitted waste" or "transfer facility waste". Permitted waste arrives on a manifest identifying CCC as the designated facility, whereas for transfer facility waste, CCC is identified only as the transporter. Approximately 60% of the waste received is transfer waste and the remaining 40% of the waste is permitted waste. Transfer waste arriving at CCC is in route to TSD facilities north of Florida. Most of that waste remains in the same trailer in which it arrives or it is transferred to another trailer, which departs the facility on the same day.

Permitted waste is unloaded from the incoming trailers and placed on the loading dock or in the staging area located inside the container storage unit. A "Drum Check-In Sheet" is printed for every waste stream that arrives in a shipment. The upper half of the form shows a printout of the analysis system screen which contains the same information that must be

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displayed on the hazardous waste label. Operators review the label to verify that the information matches the information on the printout. Each container is inspected for integrity and compatibility with the waste material. Every container is assigned a code number that is used to identify the container and track the waste through processing at the facility.

<u>Container Storage Area</u>: CCC is permitted to segregate and store 824 (55-gallon) drums, or a volume equivalent to 45,320 gallons, in their container storage area as identified in Figure II.B.3-1 and Attachment I of this permit application. The drums are stored on pallets and may be double-stacked. Incompatible waste is stored in cells that are separated from each other by berms or curbs. The Storage Group Code (SGC) identifies every drum storage area by assigning a two-letter code which is displayed within each area. The SGC allocates waste types to storage cells based on a compatibility system established by the Department of Transportation (DOT).

<u>Waste Fuel Blending</u>: This permit authorizes modifications to the original construction permit with regard to the Hazardous Waste Fuel Blending System. The objective of the container processing system and the tank storage area is to separate high heating value liquids from solids, and the bulking of these liquids for their utilization as a fuel substitute.

Waste fuels (materials having a heating value of 5,000 BTU per pound or greater) may be received at the facility in drums or tanker trucks. The drums are transported by conveyor system from the Container Storage Unit and processed in the Waste Removal Process Area. In the Waste Removal Process Area there are two (2) waste removal stations with a blending tank located between the stations. The container processing system will consist of a conveyor that will move the drums through stations to consecutively remove liquids and solid material from the drums. A vessel equipped with an agitator will suspend the suspendable material for its transference to the bulk storage units. A shredder will reduce the size of the solids to allow repacking in containers.

Some of the liquid waste fuel is separated from solids at the liquid separation station. The liquid waste fuel is then discharged to the outside Waste Fuel Tank Storage Unit through the overhead Fuel Process Line. Waste fuel may also come into CCC by tanker truck. In this case, the waste fuel may be down loaded directly to a storage tank located in the Waste Fuel Tank Storage Unit. Located in the Waste Fuel Tank Storage Unit (tank farm) will be four (4) 15,000 gallon tanks fabricated of carbon steel. The storage tanks are located within a sealed secondary containment system which has enough capacity to accommodate a spill equivalent to the amount of a full tank volume.

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<u>Wastewater Treatment</u>: CCC will accept corrosive and non-corrosive wastewater contaminated with organic and inorganic constituents. The wastewater is characteristic hazardous waste and will be rendered non-hazardous by the treatment process at the facility. The wastewater treatment process will be capable of treating 10,000 gallons of wastewater a day. The system consists of the Wastewater Tank Storage Unit having two 8,000 gallon and four 10,000 gallon tanks located in a secondary containment system capable of containing a spill equivalent to the amount of the largest tank volume. The treatment process equipment consists of a filter-press, particulate filter, ion-exchange units and organic removal system located on the Consolidation Pad, and two (2) 2,500 gallon reactor tanks located to the east of the Waste Removal Process Area.

#### PERMIT HISTORY:

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- 1. Operating Permit HO48-118812 issued on March 27, 1987.
- 2. Permit Modification (reduce storage capacity from 800 drums to 400 drums and modification of specific conditions 9 & 26) issued February 24, 1988.
- 3. Permit Modification(to include storage of non-RCRA regulated waste, and modification of specific conditions 16 & 20) issued March 25, 1991.
- 4. Construction Permit Application (HC48-204160) submitted October 29, 1991.
- 5. Implementation Schedule for Construction Permit received November 16, 1992.
- 6. Construction Permit HC48-204160 issued on March 19, 1993.
- 7. Permit Application (dated November, 1995) to modify the existing construction permit.
- 8. First Notice of Deficiency from FDEP to CCC dated January 24, 1996
- 9. CCC response to the First Notice of Deficiency dated June 29, 1996.
- 10. Second Notice of Deficiency from FDEP to CCC dated April 18, 1997.
- 11. CCC response to the Second Notice of Deficiency dated June 16, 1997.
- 12. Additional information received reference revision to permit application dated October 15, 1997.

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- 13. Additional information received, dated April 29, 1998, reference waste analysis plan.
- 14. Additional information received, dated May 15, 1998, addressing changes to waste codes.

## **GENERAL CONDITIONS:**

- 1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- 3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
- 4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interest have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- 5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant life or property caused by the construction or operation of this permitted source, or from contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- 6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by

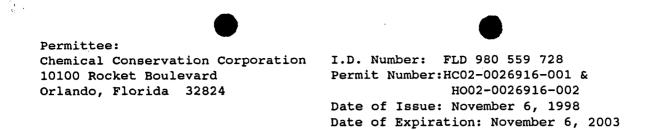
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Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

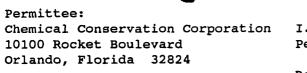
- 7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times access to the premises where the permitted activity is located or conducted for the purpose of:
  - (a) Having access to, and copying any records that must be kept under conditions of the permit;
  - (b) Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
  - (c) Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

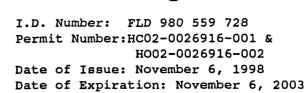
Reasonable time may depend on the nature of the concern being investigated.

- 8. The permittee shall use all reasonable efforts, including but not limited to correspondence, telephone calls, personal contacts, drafting and redrafting agreements, and payment of a fee, to obtain any access to real property necessary for the work to be performed in the implementation of this permit. If necessary access cannot be obtained by permittee, or if obtained, is revoked by owners or entities controlling access to the properties to which access is necessary, permittee shall notify the Department within five business days of such refusal or revocation. The Department may at any time seek to obtain such access as is necessary to implement the terms of this permit. Permittee shall reimburse the Department for any damages, costs, or expenses, including expert and attorney's fees, that the Department is ordered to pay, or that the Department incurs in connection with its efforts to obtain necessary access to said property. Permittee shall pay these sums to the department, or arrange a payment schedule with the Department, within 30 days of demand by the Department.
- 9. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:



- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.
- 10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- 11. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-303.500 F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
- 12. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300 F.A.C., as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
- 13. This permit or a copy thereof is required to be kept at the work site of the permitted activity during the entire period of construction and/or operation.
- 14. This permit also constitutes:
  - (a) Determination of Best Available Control Technology (BACT)
  - (b) Determination of Prevention of Significant Deterioration (PSD)





- (c) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards
- 15. The permittee shall comply with the following monitoring and record keeping requirements:
  - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During the course of any unresolved enforcement action, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - (b) The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    - 1. the date, exact place, and time of sampling or measurements;
    - 2. the person responsible for performing the sampling or measurements;
    - 3. the dates analyses were performed;
    - 4. the person responsible for performing the analyses;
    - 5. the analytical techniques or methods used;
    - 6. the results of such analyses.
- 16. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the

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Department, such facts or information shall be corrected promptly.

- 17. The following conditions shall also apply:
  - (a) The permittee shall submit the following reports to the Department:
    - 1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
    - 2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.
    - 3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted to the Department by March 1, of each even numbered year pursuant to Chapter 62-730, F.A.C.
  - (b) Notification of any noncompliance which may endanger health or the environment including the release of any hazardous waste that may endanger public drinking water supplies, or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report within 24 hours shall contain the name, address, I.D. number and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:
    - 1. A description of cause of the noncompliance.
    - 2. If not corrected, the expected time of correction and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
  - (c) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule shall be submitted no later than 14 days after each schedule date.

Permittee:					
Chemical Conservation Corporation					
10100 Rocket Boulevard					
Orlando,	Florida	3282	24		

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(d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

## SPECIFIC CONDITIONS:

#### Part I - General Requirements

- 1. Prior to commencing any and all new construction or implementing any substantial modification, specifically the fuel blending and/or wastewater treatment process, in addition to the current operation of the facility as a transfer and storage facility, the facility must provide documentation, for approval by the Department, reference Florida Statute (F.S.) 403.7211. This documentation must demonstrate that all the requirements of 403.7211 F.S. have been investigated and that the facility is in compliance with the conditions of the statute and Chapter 62-730 of Florida Administrative Code.
- 2. The permittee shall submit three copies of any correspondence resulting from compliance with permit conditions or any other permit related activities to the following parties: (Each copy shall specify its distribution to other parties).
  - (a) Two (2) copies to:

Hazardous Waste Program Manager Florida Department of Environmental Protection Central District Office 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3767

(b) One (1) copy to:

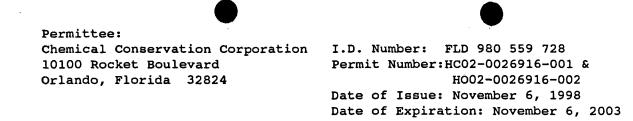
Environmental Administrator Hazardous Waste Management Section Bureau of Solid and Hazardous Waste Florida Department of Environmental Protection 2600 Blair Stone Road, MS #4560 Tallahassee, Florida 32399-2400

Permittee:	-
Chemical Conservation Corporation	I.D. Number: FLD 980 559 728
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- 3. The permittee shall meet the financial requirements of 40 CFR 264, Subpart H Financial Requirements by:
  - a) Submitting to the Department at least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal, documentation for financial assurance for closure through the use of the financial mechanisms found in 40 CFR 264.143 and 40 CFR 264.145.
  - b) Submitting to the Department least 60 days before the date on which hazardous waste is first received for treatment, storage or disposal, a signed duplicate original of the Hazardous Waste Facility Liability Endorsement or the Certificate of Liability Insurance for liability coverage for sudden accidental occurrences [40 CFR 264.147].
  - c) Financial documentation is sent to:

Financial Officer Hazardous Waste Regulation Florida Department of Environmental Protection 2600 Blair Stone Road, MS #4560 Tallahassee, Florida 32399-2400

- 4. All documents submitted pursuant to the conditions of this permit shall be accompanied by a cover letter stating the name and date of the document submitted, the number(s) of the specific condition(s) affected, and number and project name of the permit involved.
- 5. All modifications shall be certified by the owner and operator and signed, sealed, and certified by a Professional Engineer registered in the State of Florida, in accordance with Chapter 471 F.S. All submittals incorporating interpretation of geological data shall be signed and sealed by a Professional Geologist registered in the State of Florida in accordance with Chapter 492 F.S.
- 6. The Department may modify, revoke, reissue, or terminate for good cause this permit in accordance with the provisions of Rule 62-730.290, F.A.C. and 403.704(16) F.S. The filing of a request for a permit modification, revocation, reissuance, or termination, or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition. The permittee may submit any subsequent



revisions to the Department for approval along with the appropriate fee requirements.

- 7. The permittee shall apply for permit renewal at least 180 calendar days before the expiration date of this permit, and comply with all other requirements of Rule 62-730.300(1), F.A.C.
- 8. The permittee shall apply for renewal of the closure permit at least 180 calendar days prior to its expiration throughout the closure and post closure period as required by 62-730.260, F.A.C.
- 9. The permittee shall comply with the required notice of 40 CFR 264.12(c) and 62-730.300, F.A.C. before transferring ownership or operation of the facility during its operating life.
- 10. The permittee shall maintain security at the facility as described in Part II, Section II.A.4.a, (Security Procedures), of the permit application [40 CFR 264.14].
- 11. The permittee shall, upon discovering a significant waste discrepancy, attempt to reconcile the discrepancy with the waste transporter or generator. If the discrepancy is not resolved within 15 days after receiving the waste, the permittee must immediately submit to the Department a letter describing the discrepancy and attempts to reconcile it, and a copy of the manifest or shipping paper at issue [40 CFR 264.72(b)].
- 12. The permittee shall notify the Department of any Solid Waste Management Units (SWMU) that are not listed in FDEP application Form 62-730.900(2), Section II.P.1, page 392, (SWMUs), of the permit application.

## Part II - Construction Conditions

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- 1. The permittee shall conduct all permitted construction to comply with the applicable standards in 40 CFR 264 as adopted in Section 62-730.180 F.A.C.
- 2. Prior to installation, the permittee shall submit an implementation schedule along with copies of drawings of piping layouts, shop drawings and specifications. The drawings shall be certified by a Professional Engineer, registered in the State of Florida to assure consistency with the permit application. The permittee shall construct and operate the hazardous waste storage, fuel blending and wastewater treatment facility in accordance with specifications, shop drawings and plans

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submitted as part of the construction/operation permit application submitted on November 3, 1995 along with the additional information revising the application on July 29, 1996, June 15, 1997, October 15, 1997, and April 28, 1998.

- 3. Per 40 CFR 270.42, all construction of building elements, tank farm and installed ancillary equipment shall be consistent with the permit application. All major changes or deviations to the drawings or specifications must be submitted to the Department for approval.
- 4. The permittee shall submit to the Department, prior to introducing hazardous waste into any of the tanks, a certification that the secondary containment areas of the facility were constructed in accordance with 40 CFR 264.193.
- 5. A Professional Engineer, registered in the State of Florida, shall inspect the facility for conformity to design plans and specifications satisfying the requirements of this permit. Upon completion of all facility features relating to the construction permit application, this engineer shall inspect for conformity to the permit application and certify conformance to the Department by registering a Certificate of Construction Completion within 30 days after construction has been completed.
- 6. A Professional Engineer, registered in the State of Florida, shall monitor and/or visually inspect all the tank installations in order to identify the presence of any of the following items: weld breaks, punctures, cracks or corrosion, scrapes in the protective coatings, structural damage or inadequate construction/installation which may have occurred during construction. All discrepancies must be resolved before the tank system is placed in service.
- 7. Upon completion of tank construction, the permittee shall test the new hazardous waste tanks for tightness, using a standard test method approved by ANSI, ASTM, API or ASME, before placing them into service. Any repairs shall be certified, recorded and the records maintained as part of the tank's history. A copy of the standard test shall be provided to the Department along with the certification, prior to the introduction of hazardous waste into the tanks, and shall comply with Section 62-730.220(5) F.A.C. and 40 CFR 264.192(d) and (g).
- 8. The permittee shall not operate the units authorized for construction by this permit without the prior written approval of the Department. The permittee will obtain approval by satisfying the following requirements:
  - a. Notify the Department's District Hazardous Waste Permitting Section

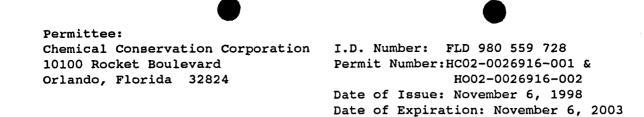
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of construction completion and request that a Department inspection be conducted.

- b. Submit "as built" engineering drawings of the permitted construction, including location of all safety equipment, security devices, fire control equipment, and spill control equipment.
- c. Submit a completed Certification of Construction Completion by a Florida professional engineer, certifying that all applicable construction has been conducted in accordance with this permit.
- d. Submit proof of satisfactory financial responsibility.
- e. Obtain from the Department a letter verifying that the facility has been constructed in accordance with this construction permit.
- 8. Per 40 CFR 264.31, the permittee shall take all reasonable precautions to physically segregate the permitted construction activities from any tank, container, or unit holding hazardous waste or hazardous materials. Construction of the new tank and container storage units shall be conducted in a manner which will not cause or contribute to a hazardous waste release, fire, spill or any other emergency situation.

# Part III - Operating Conditions

- 1. The permittee shall maintain and operate the storage facility in accordance with the applicable hazardous waste rules and regulations 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 [40 CFR 264.31].
- 2. The permittee shall notify the Department in writing at least four weeks prior to the receipt of hazardous waste from a foreign source as required in 40 CFR 264.12.
- 3. Per 40 CFR 264.12(b), when the permittee is to receive hazardous waste from an off-site source, he must inform the generator in writing that he has the appropriate permit, and will accept the waste the generator is shipping. The permittee must keep a copy of this written notice as part of the operating record.
- 4. Per 40 CFR 264.13, the permittee shall follow the waste analysis procedures



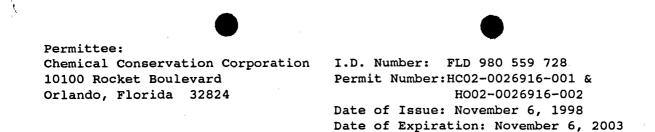
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required and as described in Part II A.5/6, Waste Analysis Plan, submitted in the permit application. If the Waste Analysis Plan is updated to affect the operation or management of the permitted facility, the permittee must have written approval from the Department accepting the proposed changes before implementation is allowed. A copy of the revised Waste Analysis Plan will be submitted to the Department no later than 30 days after the plan is updated.

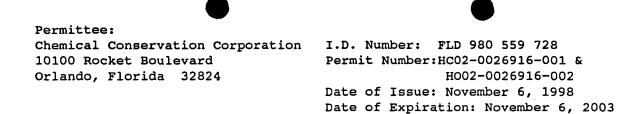
5. Only hazardous waste listed in Part II A.5/6 of the application, included as Attachment II of this permit, shall be stored at the facility. Prior to acceptance of new hazardous waste that is not already included in the permit application, the permittee shall request a permit modification from the Department to store the new waste stream. The permit modification request shall include an updated Waste Analysis Plan to include the new waste stream.

New hazardous waste shall mean any waste stream which is identified by an EPA Hazardous Waste Number or combination of EPA Numbers which has not been previously used or listed in the permit application.

- 6. Per 40 CFR 264.56, the permittee shall follow the emergency procedures specified in 40 CFR 264.56 and approved in Section A.4.b, Contingency Plan and Emergency Procedures of the permit application. The permittee shall give proper notification if an emergency situation arises and within 15 days must submit to the Department a written report which includes all information required in 40 CFR 264.56(j).
- 7. The permittee shall maintain a computerized data base and/or a written operating record at the facility or appropriate office, as required by 40 CFR 264.73 which includes:
  - a) Manifests (retained 3 years);
  - b) The location of each hazardous waste within the facility and the quantity at each location (retained until closure of facility);
  - Records and results of waste analyses (retained until closure of facility);
  - d) Summary reports and details of all incidents that require implementing the Contingency Plan (retained until closure of facility);



- e) Records and results of inspections (3 years retention period);
- f) Closure plan and updated closure cost estimate (retained until closure of facility);
- g) Annual certification of waste minimization program in accordance with 40 CFR 264.73(b)(9);
- b) Description and quantity of each hazardous waste received, and the method(s) and date(s) of its blending or storage at the facility (retained until closure of facility);
- A copy of all notices, demonstrations, certifications and other documents related to land disposal restrictions (retained 5 years);
- j) Results of tanks, emissions, or leak testing (retained 3 years);
- k) Biennial Report (retained 3 years).
- 8. The permittee shall remove from the storage areas any spilled or leaked waste and accumulated precipitation in any sump or containment area in accordance with 40 CFR 264.175(b)(5). Any spilled or leaked waste and accumulated precipitation must be removed from the secondary containment system within 24 hours in accordance with 40 CFR 264.193(c)(4).
- 9. The permittee shall inspect the facility on a daily basis for anomalous situations, compliance problems and the readiness of the emergency equipment; and on a weekly basis to ensure the emergency and personnel safety equipment is available as described in II.B.5. Inspection Procedures of the permit application. The completed inspection logs must be maintained as part of the operating record of the facility [40 CFR 264.15].
- 10. The permittee shall only process, store, and/or treat hazardous waste at the facility site described as Section 11, Township 24 South, Range 29 East, the East half of Lot 3, Regency Industrial Park SEC 15, as recorded in Plat Book 12, Page 114, Public records of Orange County, Florida (Less the West 171.00 feet of said half of Lot 3), containing therein approximately 1.237 acres; and utilize no other adjacent property for activities described above.



- 11. The permittee shall operate the facility in accordance with 40 CFR 264 Subpart E Manifest System, Record Keeping, and Reporting.
- 12. The permittee shall maintain compliance with 40 CFR 264 Subpart H Financial Requirements.
- 13. The deletion of any hazardous waste units shall be addressed under partial closure, per 40 CFR 264 Subpart G.
- 14. The permittee shall operate the facility in accordance with 40 CFR Parts 260 through 268 where applicable.

## Part IV - Containers

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- 1. Container storage for the waste identified in Attachment II, shall only be conducted within the container storage building as depicted in Attachment I. The maximum total storage capacity of the hazardous waste storage unit is 824 (55-gallon) drums or the volume equivalent to 45,320 gallons.
- 2. Containers shall be kept closed except when adding or removing waste and shall be handled in a manner that will not allow the containers to rupture or leak. If a container holding hazardous waste is not in good condition, or begins to leak, the waste shall be transferred to another container in good condition [40 CFR 264.171, 264.172, and 264.173].
- 3. Per 40 CFR 264.172, the permittee shall use containers which are compatible with the hazardous waste to be stored.
- 4. The permittee shall inspect the container storage area in accordance with the procedures noted in Section No. II.B.5, page 269 (Inspection Procedures) of the application.
- 5. The permittee shall remove spilled or leaked waste from the container storage, staging areas and collection area in as timely a manner as necessary to prevent overflow of the collection system [ 40 CFR 264.175(b)(5)].
- 6. Containers shall not be placed/stored in the aisles between facility storage units in a manner that obstructs inspection or prevents any emergency action that may be necessary due to a spill or release.

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- 7. The permittee shall not place incompatible waste, or incompatible wastes and materials in the same container unless 40 CFR 264.177(a) is complied with.
- 8. Hazardous waste must not be placed in an unwashed container that previously held an incompatible waste or material [40 CFR 264.177(b)].
- 9. Permittee shall store waste in the container storage unit according to Storage Group Codes (SGC). The SGC allocates waste types to storage cells based on a compatibility system established by the Department of Transportation (DOT) as described Section No. II.B.3, page 255 (Container Storage Unit).
- 10. The permittee may store non-regulated waste in the regulated storage area provided that the permittee complies with the requirements of 40 CFR 264.175, and that the volume of the non-regulated waste materials is included in calculating the total volume of waste permitted to be stored in the regulated storage area.
- 11. Per 40 CFR 264.176, the permittee shall comply with the 15 meters (50 feet) setback rule concerning the storage of ignitable and reactive wastes in containers.

## Part V - Tanks

- 1. The permittee is allowed to store in tanks only those hazardous wastes specified in Attachment I of the permit.
  - 2. The permittee shall perform an assessment attesting that the tank system has sufficient structural integrity and is acceptable for the storing and treating of hazardous waste [40 CFR 264.192(a)].
- Bazardous waste, incompatible wastes, or incompatible wastes and materials must not be placed in a tank system unless the requirements of 40 CFR 264.199 are met.
  - 4. The permittee shall insure that ignitable or reactive wastes are not placed into any tank unless the requirements of 40 CFR 264.198(a) are met.
  - 5. The permittee shall inspect all tank systems regulated by this permit in accordance with the procedures stipulated in Section II.C.11, page 322 (Inspection Procedures) of the permit application.
  - 6. The permittee shall report any extensive repairs to a tank system to the Department. This report will include the information required by 40 CFR 64.196(e). The tank

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system shall not be returned to service until the certification report required by 40 CFR 264.196(f) has been submitted to the Department and approved.

- 7. The permittee shall report to the Department any release of hazardous waste greater than 1 lb. resulting from a leak or spill to the environment within 24 hours of its detection [40 CFR 264.196(d)]. The released materials must be removed within 24 hours or in as timely a manner as is possible to prevent harm to human health and the environment [40 CFR 264.196(b)(2)].
- 8. The permittee shall submit to the Department a report that contains the requirements of 40 CFR 264.196(d)(3) within 30 calendar days of detection of a release to the environment.
- 9. The permittee shall comply with the provision of response to leaks or spills and disposition of leaking or unfit-for-use tank systems of 40 CFR 246.196 by satisfying the following requirements:
  - a. Stop flow or addition of waste into the tank or secondary containment and inspect the system to determine the cause of the release [264.196(a)].
  - b. Remove waste from leaking tank system to prevent further releases and to allow for inspection and repair, and remove released waste from the secondary containment structure at the earliest possible time [40 CFR 264.196(b)].
  - c. Prevent possible or further migration of the leak or spill to the environment, and remove and properly dispose of waste, contaminated soils or residues [40 CFR 264.196(c)].
  - d. Certify major repairs of the tank system in accordance with 40 CFR 264.196(f).
- 10. Per 40 CFR 264.193 and 264.198, the facility shall comply with the requirements of Subpart J Tank Systems.

## Part VI - Treatment Conditions

1. The permittee may treat only characteristically hazardous wastewaters. These hazardous wastewaters may or may not also exhibit low pH values, such as acids.

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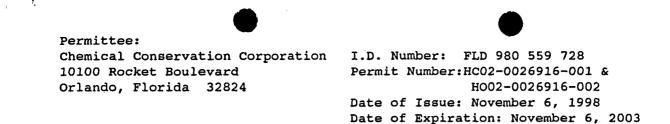
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Wastewaters exhibiting high pH values, such as bases, are excluded from treatment. As outlined in the permit application, treatment may be done by neutralizing acids, and/or removing organic and inorganic constituents.

- 2. The permittee shall maintain and make available to inspectors, when requested, copies of all "fingerprint" analyses, laboratory tests, constituent levels and parameters sampled for in the treated wastewater, for a minimum period of three years.
- 3. The permittee must analyze all waste generated from the treatment process and dispose of it in accordance with 40 CFR Part 262.11.
- 4. The permittee must maintain records which demonstrate they have adequately treated the hazardous wastewater in accordance with the treatment standards identified in 40 CFR Part 268.

## Part VII - Air Emissions Standards

- 1. The permittee shall operate and maintain the pumps, compressors, pressure relief devices, and valves according to detailed plans contained in Sections R, S, and Sa of the permit application.
- 2. Per 40 CFR 264.1064(b)(1), the permittee shall keep complete and current the Equipment Identification Log described as Table II.S.1.a -2, (Equipment Compliance Summary).
- 3. Per 40 CFR 264.1064, the permittee shall keep, as part of the operating records, results of inspections, monitoring reports, repairs, and other documents required by 40 CFR 264 Subpart AA and BB for a minimum of three (3) years [40 CFR 264.1064].
- In the December 6, 1994, Federal Register, EPA published the final rule for Subpart CC - Air Emission Standards for Tanks, Surface Impoundments, and Containers for hazardous waste treatment, storage, and disposal facilities. The final rule was amended in the Federal Register on November 25, 1996. The unit(s) shall operate in accordance with Subpart CC requirements in EPA HSWA Permit FLD 980 559 728 until the Department adopts the Subpart CC amendments, and modifies the permit to incorporate the amended Subpart CC requirements.



#### Part VIII - Contingency Plan

- 1. The permittee shall implement the contingency plan required by 40 CFR 264.51, as described in Part II. A.4.b. (Contingency Plan), of the permit application.
- 2. Per 40 CFR 264.54, the contingency plan must be periodically reviewed and shall be immediately amended and distributed to the appropriate agencies if any of the following criteria are met:
  - a) The facility permit is revised;
  - b) The plan fails in an emergency;
  - c) The facility changes in its design, construction, operation, maintenance, or other circumstances in a way that materially increases the potential for fires, explosion, or releases of hazardous waste or hazardous waste constituents, or changes the response necessary in an emergency.
  - d) During normal operations the facility periodically reviews operating procedures in conjunction with incident reports and determines that new procedures should be implemented to optimize safety.
- The permittee shall give proper notification to the Department if an emergency situation arises which requires the contingency plan to be implemented, and within 15 calendar days must submit to the Department a written report which includes all information required. The FDEP 24-hour emergency telephone number is (850) 413-9911. During normal business hours, the District FDEP Hazardous Waste Section may be contacted at (407) 893-3323 [40 CFR 264.56(j)].

#### Part IX - Training

- 1. The permittee shall conduct personnel training and shall maintain training documents and records as required by 40 CFR 264.16 and described in Part II, A.4.e, (Personnel Training), of the permit application.
- 2. Verification of this training must be maintained on-site at the facility. An updated list of personnel handling hazardous materials and their respective job titles must be maintained at all times. The training must be reviewed by facility personnel at least annually.

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#### Part X - Consolidation Requirements

- 1. Until the training, procedures and equipment outlined in Specific Condition 2 of this Part are complete and in place and approved by the Department, CCC shall only consolidate the following:
  - a) Lab packs
  - b) Waste solids and the liquids resulting from the consolidation of solids, as long as the liquids are not acids.
  - c) Wastes from containers belonging to the same waste stream; i.e., same generator and listed on the same manifest.
- 2. CCC will not begin consolidating wastes except as listed in Specific Condition 1 of this Part until the training, procedures and equipment listed below are complete and in place and approved by the Department:
  - All consolidation of liquid wastes will take place under the direct supervision of a chemist, experienced in determining compatibility. The supervising chemist will screen all incoming wastes to be consolidated, except as defined in Specific Condition 1 of this Part, and approve, in writing, each list of wastes proposed for consolidation prior to compatibility testing. This information will be documented in a written log.
  - b) A procedure will be developed to evaluate compatibility of liquid wastes not belonging to the same waste stream as defined in 1 (c), based on simulation of the proposed consolidation. The compatibility test procedure will evaluate and establish acceptable ranges for temperature changes, and criteria for evaluating visible reactions ("bubbling", gas generation, color change). The compatibility test procedure will be applied to all containers to be consolidated into larger containers such as tote tanks, and all tote tanks and/or containers to be consolidated into tankers, and documented in a written log.
  - c) Installation of a laboratory meeting the requirements for Quality Assurance Category 2C, as defined in Department Rule 62-160 (Quality Assurance) for sampling and analysis. This shall include



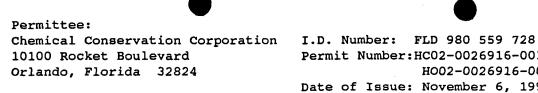
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training for operators on all necessary equipment to, 1) screen all incoming materials to verify integrity of waste profiles, 2) conduct compatibility tests and 3) provide all information necessary to properly document constituents and waste codes for outgoing shipments of consolidated wastes.

- d) Installation of a venting system, approved by the Department, to collect and control fumes generated during consolidation of acids and/or other liquids determined by compatibility testing to be acceptable for consolidation.
- e) Training, verified by written examination, of all personnel involved in waste consolidation on 1) proper use of consolidation codes, 2) application of consolidation procedures, 3) conducting compatibility test and 4) implementation of contingency plan. The training will be conducted, at least in part, by the chemist who will supervise consolidation and documented by trainees and trainers.

## Part XI - Closure

- 1. The permittee shall have a written closure plan as required by 40 CFR 264.110 and described in the permit application. The closure plan and all revisions to the plan must be kept at the facility until closure is completed, certified and accepted by the Department.
- 2. The permittee shall close the facility as described in the closure plan identified as Part II, Section K, (Closure), in the permit application. All solid and liquid decontamination residues and contaminated soils must be managed in accordance with 40 CFR 262.
- 3. The permittee shall verify clean closure by demonstrating that cleanup parameters meet or exceed the clean closure limits determined at the time of closure.
- 4. The owner or operator must close the unit in a manner that:
  - a) Minimizes the need for further maintenance; and
  - b) Controls, minimizes or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of



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hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the ground or surface waters or to the atmosphere, and

- Complies with the closure requirements of this Subpart, including but C) not limited to, the requirements of 40 CFR Part 264,111,
- 5. The permittee will notify the Department 45 days prior to the date on which he expects to begin partial or final closure of a unit(s) [40 CFR 264.112(d)].
- 6. The permittee shall manage all hazardous wastes, residues, sludges, spilled or leaked waste, or contaminated liquids and soils removed during closure of the unit(s) in accordance with the applicable provisions of 40 CFR Parts 260 through 270 and 62-730, F.A.C., including the manifest requirements. A copy of each manifest required as a result of closure activities shall be submitted to the Department with the Closure Certification.
- 7. The permittee shall submit a written request for a permit modification to authorize a change in the closure plans in accordance with the procedures in 62-730 F.A.C. The written request must include a copy of the amended closure plan for Department approval [40 CFR 264.112].
- 8. Closure of tank systems, container storage area or any components thereof, or of any other hazardous waste unit shall be performed in accordance with plans specified in Section II.K (Closure) of the permit application.
- 9. In accordance with the requirements of 40 CFR Part 264.112(a), the permittee shall keep a copy of the Closure Plan and all revisions to the plan until closure is completed, certified in accordance with 40 CFR Part 264.115, and accepted by the Department.
- 10. The permittee must complete closure activities within 180 days after Department approval of the closure plan. Any changes in the time allowed for closure of the units after approval shall require prior Departmental approval [40 CFR 264.113].
- 11. Within sixty (60) calendar days of the completion of closure, the permittee shall submit to the Department a report signed by the permittee and an independent, Professional Engineer registered in the State of Florida, stating the facility has been closed in accordance with the Closure Plan in the permit application (40 CFR Part 264.115). The Closure Certification must be based on the Professional Engineer's

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own observation and knowledge of the closure activities. The Certification of Closure must include, but not be limited to, the following:

- a. Soil sampling data to verify clean closure;
- b. Decontamination data;
- c. Copies of the manifests generated during the removal of all hazardous wastes and all contaminated residues containing hazardous constituents;
- d. Groundwater monitoring data summary pertaining to closure activities;
- e. A description of the summary of final closure activities;
- f. A final inspection check off sheet.
- 12. The permittee shall provide opportunities for site inspections by the Department by informing the Hazardous Waste Program Manager, Central District Office of the Department at least ten (10) calendar days in advance of any physical closure activity (e.g. soil sampling, groundwater sampling, soil removal, etc.).
- 13. The permittee shall notify the Department within ten (10) calendar days of the determination that actions undertaken as part of closure or associated monitoring programs no longer satisfy the requirements set fourth in this permit. If the Department determines that a modification of the permit is required, the permittee shall, within sixty (60) calendar days, submit an application for a permit modification in accordance with 62-730.290 and 62-4.050 Florida Administrative Code (F.A.C.), to make appropriate changes to the permit.

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Executed in Orlando, Florida.

ISSUED: Movember 5,1998

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Vivian F. Garfein Director of District Management 3319 Maguire Boulevard Suite 232 Orlando, Florida 32803-3767

FILING AND ACKNOWLEDGMENT FILED,

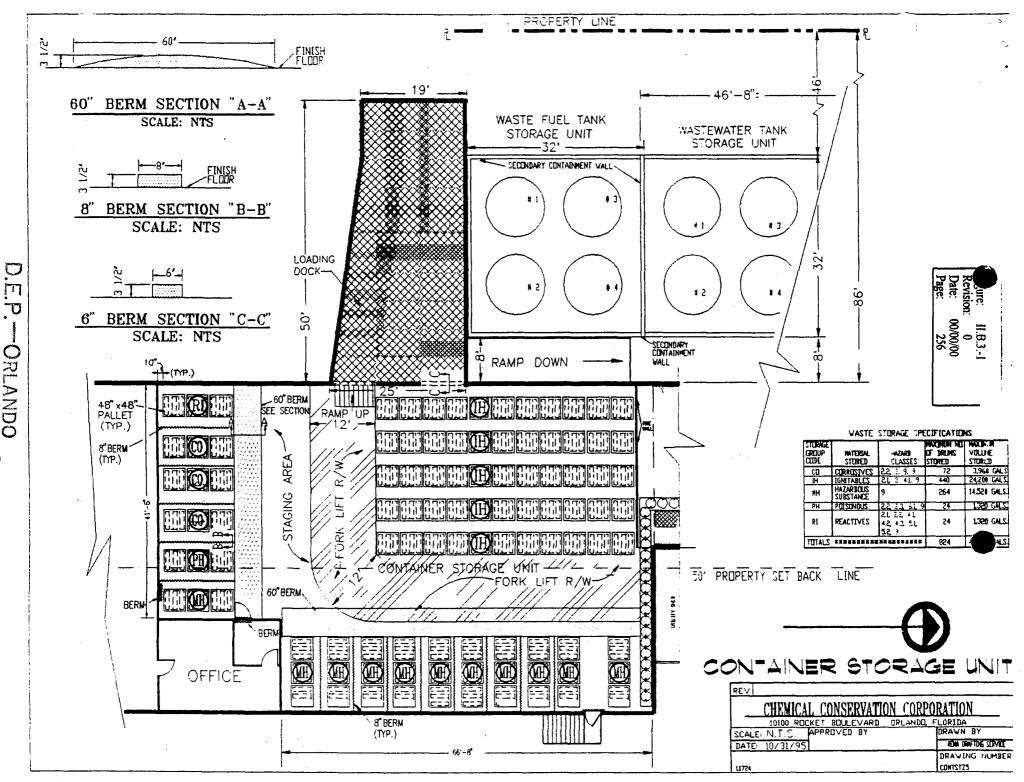
on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Copies furnished to: Satish Kastury, FDEP Tallahassee Doug Outlaw, FDEP Tallahassee Kent Williams, EPA Region IV

#### CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on \_\_\_\_\_\_\_ Nov. 6, 1998 \_\_\_\_\_\_\_ to the listed persons, by \_\_\_\_\_\_\_\_ Mov. 1998 \_\_\_\_\_\_\_\_ to the listed persons, by \_\_\_\_\_\_\_\_

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# PERMITTED HAZARDOUS WASTE

	Process	azardous Waste	Registry	
	Waste Description	Code	Number	Hazard Class
	Ignitable Liquid	D001	N/A	3
	Corrosive (Acid, Caustic)	D002	N/A	8
	Reactive Liquids & Solids	D003	N/A	N/A
	Arsenic	D004	7440-38-2	6.1
	Barium	D005	7440-39-3	4.3
	Cadmium	D006	7440-43-9	6.1
	Chromium (Haz. Substance)	D007	7440-47-3	9
	Lead	D008	7439-92-1	6.1
	Mercury Selective (nounder)	D009	7439-97-6	8
	Selenium (powder)	D010	7782-49-2	6.1
	Silver (Haz. Substance)	D011	7440-22-4	9
	Endrin (Haz. Substance)	D012	72-20-8	9
	Lindane (Haz. Substance)	D013	58-89-9	9
	Methoxychlor (Haz. Substance)	D014	72-43-5	9
	Toxaphene (Haz. Substance)	D015	8001-35-2	9
	2,4-D (Acid - Haz. Substance)	D016	94-75-7	9 9 3
	2,4,5-TP (Silvex) (Haz. Substance)	D017	93-72-1	9
	Benzene Carbon Totrachlanida	D018	71-43-2	
۱.	Carbon Tetrachloride	D019	56-23-5	6.1
<b>X</b>	Chlordane (Haz. Substance)	D020	57-74-9	9
	Chlorobenzene	D021	108-90-7	3
	Chloroform	D022	67-66-3	6.1
	O-Cresol	D023	95-48-7	6.1
	M-Cresol	D024	108-39-4	• 6.1
	P-Cresol	D025	106-44-5	6.1
	Cresol	D026	1319-77-3	6.1
	1,4-Dichlorobenzene	D027	106-46-7	6.1
	1,2-Dichloroethane (Ethylene Dichloride)	D028	109-06-2	3 3
	1, 1-Dichloroethylene (Vinylidene Chloride)	D029	75-35-4	
	2,4-Dinitrotoluene	D030	121-14-2	6.1
	Heptachlor (Haz. Substance)	D031	76-44-8	9
	Hexachlorobenzene	D032	118-74-1	6.1
	Hexachlorobutadiene	D033	87-68-3	6.1
	Hexachloroethane (Haz. Substance)	D034	67-72-1	9
	Methyl Ethyl Ketone (Ethyl Methyl Ketone)	D035	78-93-3	
	Nitrobenzene	D036	98-95-3	6.1
	Pentachlorphenol (Haz. Substance)	D037	87-86-5	93
	Pyridine Telmohlasoothulana	D038	110-86-1	
	Tetrachloroethylene	D039	127-18-4	6.1
	Trichloroethylene	D040	79-01-6	6.1
	2,4,5-Trichlorophenol (Haz. Substance)	D041	95-95-4	9
	2,4,6-Trichlorophenol (Haz. Substance)	D042	88-06-2	9
	Vinyl Chloride	D043	110-86-1	2.1
	Spent Halogenated Solvents (Haz. Substance)	F001	N/A	9
	Spent Halogenated Solvents (Haz. Substance)	F002	N/A	9
	Spent Non-Halogenated Solvents (Haz. Substance)		N/A	9
	Spent Non-Halogenated Solvents (Haz. Substance)		N/A	9
	Spent Non-Halogenated Solvents (Haz. Substance)		N/A	9
	Electroplating Sludges (Haz. Substance)	F006	N/A	9
	Spent Cyanide Plating Solvents (Haz. Substance)	F007	N/A	9



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# PERMITTED HAZARDOUS WASTE

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	Hazardous Waste	CAS Registry	
Waste Description	Code	Number	Hazard Class
Plating Bath Residues (Haz. Substance)	F008	N/A	9
Spent Stripping Solutions (Haz. Substance)	F009	N/A	9
Quenching Bath Residues (Haz. Substance)	F010	N/A	9
Spent Cyanide Solution (Haz. Substance)	F011	N/A	9
Quench Wastewater Sludge (Haz. Substance)	F012	N/A	9
Wastewater Treatment Sludge (Haz. Substance)	F019	N/A	9
Chlorophenolic Residuals (Haz. Substance)	F032	N/A	9
Creosote Residuals (Haz. Substance)	F034	N/A	9
Arsenic/Chromium Residuals (Haz. Substance)	F035	N/A	9
Petroleum Refinery Primary Sludge (Haz.Subs.)	F037	N/A	9
Petroleum Refinery Secondary Sludge (Haz.Sub.		N/A	9
Leachate from Wastes (Haz. Substance)	F039	N/A	9
Dissolved Air Float (Haz. Substance)	K048	N/A	9
Stop Oil Emulsion Solids (Haz. Substance)	K049	N/A	. 9
Heat Exchanger Sludge (Haz. Substance)	K050	N/A	9
API Separator Sludge (Haz. Substance)	K051	N/A	9
Petroleum Tank Bottoms (Haz. Substance)	K052	N/A	9
Emission Control Dust/Sludge (Haz. Substance)	K061	N/A	9
Spent Pickle Liquor (Haz. Substance)	K062	N/A	9 9 9 9 9 9 9 9 9 9 9 9 9
Solvent Washes & Sludge (Haz. Substance)	K086	N/A	9
Organic wastes	K156	N/A	9
Wastewaters	K157	N/A	9
Baghouse dusts & filter separator solids	K158	N/A	9
Organics from treatment of thiocarbamate waster		N/A	9
Solids	K160	N/A	9
Purfication solids	K161	N/A	Ö
Warfarin & Salts when > .03% (Haz. Substance		81-81-2	9
Acetamide, N-(Aminothioximehtyl) (Haz. Subs.		591-08-2	9
Acrolein	P003	107-02-8	6.1
Aldrin	P004	309-00-2	6.1
Allyl Alcohol	P005	107-18-6	6.1
Aluminum Phosphide	P006	20859-73-8	4.3,6.1
5-(Aminomethyl)-3-Isoxazolol (Haz.Substance)	P007	2763-96-4	ģ
4-Aminopyridine	P008	504-24-5	6.1
Arsenic Ácid (H3AsO4)	P010	131-74-8	6.1
Arsenic Oxide (As2O5)	P011	1303-28-2	6.1
Arsenic Oxide (As2O3)	P012	1327-53-3	6.1
Barium Cyanide	P013	542-62-1	6.1
Benzenethiol (Phenyl Mercaptan)	P014	108-98-5	6.1
Beryllium (powder)	P015	7440-41-7	6.1
Dichloromethylether (Hazardous Substance)	P016	542-88-1	9
Bromoacetone	P017	598-31-2	6.1
Brucine	P018	357-57-3	6.1
Dinoseb	P020	88-85-7	9
Calcium Cyanide	P021	592-01-8	6.1
Carbon Disulfide	P022 .	75-15-0	3,6.1
Acetaldehyde, Chloro- (Hazardous Substance)	P023	107-20-0	<u>9</u>
Benzenamine, 4-Chloro- (Hazardous Substance)	P024	106-47-8	9
1-(o-Chlorophenyl)thiourea (Haz. Substance)	P026	5344-82-1	9
3-Chloropropionitrile (Hazardous Substance)	P027	542-76-7	9
Benzene, Chloromethyl (Benzyl Chloride)	P028	100-44-7	6.1
Copper Cyanide	P029	544-92-3	6.1

# PERMITTED HAZARDOUS WASTE

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	Hazardous Waste	CAS Registry	
Waste Description	Code	Number	Hazard Class
2-Cyclohexyl-4,6-dinitrophenol (Haz. Substance		131-89-5	9
Arsonous Dichloride, Phenyl (Haz. Substance)	P036	696-28-6	9
Dieldrin	P037	60-57-1	6.1
Arsine, Diethyl- (Hazardous Substance)	P038	692-42-2	9
Disulfoton (Hazardous Substance)	P039	298-04-4	9
0,0-Diethyl 0-pyrazinyl Phosphorothioate (H.Su		297-97-2	9
Diethyl-p-nitrophenyl Phosphate (Haz. Substan.)	,	311-45-5	9
Diisopropylfluorophosphate (Hazardous Substan		55-91-4	9
Dimethoate (Hazardous Substance)	P044	60-51-5	9
Thiofanox (Hazardous Substnace)	P045	39196-18-4	9
Benzeneethanamine, alpha, alpha-dimethyl (H.S		122-09-8	9
4,6-Dinitro-o-cresol & Salts (solid or solutions)	P047	534-52-1	6.1
2,4-Dinitrophenol (Hazardous Substance)	P048	51-28-5	9
Dithiobiuret (Hazardous Substance)	P049	541-53-7	. 9
Endosulfan (Hazardous Substance)	P050	115-29-7	9
Endrin (Hazardous Substance)	P051	72-20-8	9
Aziridine (Ethyleneimine)	P054	151-56-4	6.1
Acetamide, 2-Fluoro- (Hazardous Substance)	P057	640-19-7	9
Acetic Acid, Fluoro-, Sodium Salt (Haz.Substan		62-74-8	9
Heptachlor (Hazardous Substance)	P059	76-44-8	9
Isodrin (Hazardous Substance)	P060	465-73-6	9
Hexaethyl Tetraphosphate	P062	757-58-4	6.1
Hydrogen Cyanide	P063	74-90-8	6.1,3
Methyl Isocyanate	P064	624-83-9	6.1
Methomyl (Hazardous Substance)	P066	16752-77-5	9
Aziridine, 2-methyl	P067	75-55-8	3
Methyl Hydrazine (Hazardous Substance)	P068	60-34-4	9
2-Methyllactonitrile	P069	75-86-5	6.1
Aldicarb (Hazardous Substance)	P070	116-06-3	9
Methyl Parathion	P071	298-00-0	6.1
alpha-Naphthylthiourea	P072	86-88-4	6.1
Nickel Carbonyl	P073	13463-39-3	6.1,3
Nickel Cyanide	P074	577-19-7	6.1
Nicotine & Salts	P075	54-11-5	6.1
Benzenamine, 4-Nitro- (p-Nitroaniline)	P077	100-01-6	6.1
N-Nitrosodimethylamine (Hazardous Substance)	P082	62-75-9	9
N-Nitrosomethylvinylamine (Hazardous Substan		4549-40-0	9
Octamethylpyrophosphoramide (Haz. Substance)		152-16-9	9
Osmium Tetroxide	P087	20816-12-0	6.1
Endothall (Hazardous Substance)	P088	145-73-3	9
Parathion	P089	56-38-2	6.1
Phenylmercury Acetate	P092	62-38-4	6.1
Phenylthiourea (Hazardous Substance)	P093	103-85-5	9
Phorate (Hazardous Substance)	P094	298-02-2	9
Famphur (Hazardous Substance)	P097	52-85-7	9
Potassium Cyanide	P098	151-50-8	6.1
Potassium Silver Cyanide (Hazardous Substance)	) P099	506-61-6	9
Ethyl Cyanide (Hazardous Substance)	P101	107-12-0	9
Propargyl Alcohol	P102	107-19-7	. 3
Selenourea (Hazardous Substance)	P103	630-10-4	9
Silver Cyanide	P104	506-64-9	6.1
Sodium Azide	P105	26628-22-8	6.1
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	Hazardous	CAS	
M. d. Dessintion	Waste	Registry	
Waste Description	Code	<u>Number</u> 57-24-9	Hazard Class
Strychnine & Salts	P108 P109	3689-24-5	6.1
Tetraethyldithiopyrophosphate	P109 P110	78-00-2	6.1 6.1
Tetraethyl Lead (liquid)	P110 P111	107-49-3	6.1
Tetraethyl Pyrophosphate (liquid & solid) Thallic Oxide (Hazardous Substance)	P113	1314-32-5	9
Thallium (1) Selenide (Thallium compounds)	P114	12039-62-0	6.1
Thallium (1) Sulfate (Thallium compounds)	P115	7446-18-6	6.1
Thiosemicarbazide (Hazardous Substance)	P116	79-19-6	9
Perchloromethylmercaptan	P118	594-42-3	6.1
Ammonium Vanadate (Ammonium Metavanadate		7803-55-6	6.1
Vanadium Pentoxide (nonfused form)	P120	1314-62-1	6.1
Zinc Cyanide	P121	557-21-1	6.1
Zinc Phosphide	P122	1314-84-7	4.3,6.1
Toxaphene (Hazardous Substance)	P123	8001-35-2	9
Carbofuran	P127	1563-66-2	6.1
Mexacarbate	P128	315-18-4	6.1
Tirpate	P185	26419-73-8	6.1
Physostigmine salicylate	P188	57-64-7	6.1
Carbosulfan	P189	55285-14-8	9
Metolcarb	P190	1129-41-5	6.1
Dimetilan	P191	644-64-4	6.1
Isolan	P192	119-38-0	6.1
Oxamyl	P194	23135-22-0	6.1
Manganese dimethyldithiocarbamate	P196	15339-36-3	6.1
Formparanate	P197	17702-57-7	6.1
Formetanate hydrochloride	P198	23422-53-9	6.1
Methiocarb	P199	2032-65-7	6.1
Promecarb	P201	2631-37-0	6.1
m-Cumenyl methylcarbamate	P202	64-00-6	6.1
Aldicarb sulfone	P203	1646-88-4	6.1
Physostigmine	P204	57-47-6	6.1
Ziram	P205	137-30-4	6.1
Acetaldehype (I)	U001	75-07-0	3
Acetone (I)	U002	67-64-1	3
Acetonitrile (I.T) (Methyl Cyanide)	U003	75-05-8	3
Acetophenone (Hazardous Substance)	U004	98-86-2	9
2-Acetylaminofluorene (Hazardous Substance)	U005	53-96-3	9
Acetyl Chloride	U006	75-36-5	3,8
Acrylamide	U007	79-06-1	6.1
Acrylic Acid	U008	79-10-7	8
Acrylonitrile	U009	107-13-1	3
Mitomycin C (Hazardous Substance)	U010	50-07-7	9
Amitrole (Hazardous Substance)	U011	61-82-5	9
Aniline (I,T)	U012	62-53-3	6.1
Auramine (Hazardous Substance)	U014	492-80-8	9
Azaserine (Hazardous Substance)	U015	115-02-6	9
Benz(c)acridine (Hazardous Substance)	U016	225-51-4	9
Benzal Chloride (Hazardous Substance)	U017	98-87-3	9
Benz(a)athracene (Hazardous Substance)	U018	56-55-3	9 3
Benzene Benzenegulferul Chloride	U019	71-43-2	3 8
Benzenesulfonyl Chloride	U020	98-09-9	6.1
Benzidine Banza (a) purene (Hazardour, Substance)	U021	62-53-3	9
Benzo(a)pyrene (Hazardous Substance)	U022	50-32-8	1

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	Hazardous Waste	CAS Registry	
Waste Description	Code	Number	Hazard Class
Benzotrichloride	U023	98-07-7	8
Dichloromethyoxy ethane (Hazardous Substance	) U024	111-91-1	9
Dichloroethyl ether (Hazardous Substance)	U025	111-44-4	9
Chlornaphazine (Hazardous Substance)	U026	494-03-1	9
Dichloroisopropyl ehter	U027	108-60-1	6.1
Diethylhexyl Phthalate (Hazardous Substance)	U028	117-81-7	9
Methyl Bromide	U029	74-83-9	2.3
4-Bromophenyl phenyl ether (Hazardous Substar	nce) U030	101-55-3	9
n-Butyl Alcohol (I) (Butanols)	U031	71-36-3	3
Calcium Chromate (Hazardous Substance)	U032	13765-19-0	9
Chloral (anhydrous)	U034	75-87-6	6.1
Chlorambucil (Hazardous Substance)	U035	305-03-3	9
Chlordane, alpha & gamma isomers (Haz.Subs.)	U036	57-74-9	9
Chlorobenzene	U037	108-90-7	3
Chlorobenzilate (Hazardous Substance)	U038	510-15-6	9
p-Chloro-m-cresol	U039	59-50-7	6.1
Èpichlorohydrin	U041	106-89-8	6.1
2-Chloroethyl vinyl ether (Hazardous Substance)	U042	110-75-8	9
Vinyl Chloride	U043	75-01-4	2.1
Chloroform	U044	67-66-3	6.1
Methyl Chloride (I,T)	U045	74-87-3	2.1
Chloromethyl methyl ether	U046	107-30-2	3
beta-Chloronaphthalene (Hazardous Substance)	U047	91-58-7	9

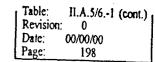
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# PERMITTED HAZARDOUS WASTE

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	Hazardous	CAS	
Process	Waste	Registry	
 Waste Description	Code	Number	Hazard Class
o-Chlorophenol	U048	95-57-8	6.1
4-Chloro-o-toluidine, hydrochloride	U049	3165-93-3	6.1
Chrysene (Hazardous Material)	U050	218-01-9	9
Creosote (Hazardous Material)	U051	8001-58-9	
Cresol	U052	1319-77-3	6.1
Crotonaldehyde (stabilized)	U053	4170-30-3	- 3
Cumene (I) (Hazardous Substance)	U055	98-82-8	9
Cyclohexane	U056	110-82-7	3
Cyclohexanone (I)	U057	108-94-1	3 9 3 3 9 9 9
Cyclophosphamide (Hazardous Substance)	U058	50-18-0	9
Daunomycin (Hazardous Substance)	U059	20830-81-3	9
DDD (Hazardous Substance)	U060	72-54-8	9
DDT (Hazardous Substance)	U061	50-29-3	9
Diallate (Hazardous Substance)	U062	2303-16-4	9
Dibenz(a,h)anthracene (Hazardous Substance)	U063	53-70-3	9
Dibenzo(a,i)pyrene (Hazardous Substance)	U064	189-55-9	9
1,2-Dibromomo-3-chloropropane	U066	96-12-8	6.1
Ethane, 1,2-dibromo- (Ethylene dibromide)	U067	106-93-4	6.1
Methylene Bromide (Dibromomethane)	U068	74-95-3	6.1
Dibutyl phthalate (Hazardous Substance)	U069	84-74-2	9
o-Dichlorobenzene	U070	95-50-1	6.1
m-Dichlorobenzene (Hazardous Substance)	U071	541-73-1	9
p-Dichlorobenzene	U072	106-46-7	6.1
3,3-Dichlorobenzidine (Hazardous Substance)	U073	91-94-1	9
1,4-Dichloro-2-butene (I,T) (Hazardous Substan		764-41-0	ģ
Ethane, 1,1-dichloro- (1,1-Dichloroethane)	U076	75-34-3	3
Ethane, 1,2-dichloro- (Ethylene Dichloride)	U077	107-06-2	-'
1,1-Dichloroethylene (Hazardous Substance)	U078	75-35-4	·' 0
1,2-Dichloroethylene (Hazardous Substance)	U079	156-60-5	9 3 3 9 9
Methylene Chloride (Dichloromethane)	U080	75-09-2	6.1
2,4-Dichlorophenol (Hazardous Substance)	U080	120-83-2	
	U081 U082		9 9 3 3
2,6-Dichlorophenol (Hazardous Substance)		87-65-0	9
Propylene dichloride	U083	78-87-5	3
1,3-Dichloropropene (Dichloropropene)	U084	542-75-6	3
1,2:3,4-Diepoxybutane (Hazardous Substance)	U085	1464-53-5	9
N,N'-Diethylhydrazine (Hazardous Substance)	U086	1615-80-1	. 9
O,O-Diethyl S-methyl dithiophosphate (Haz. Sul		3288-58-2	9
Diethyl phthalate (Hazardous Substance)	U088	84-66-2	9 9 9 9 9
Diethystilbesterol (Hazardous Substance)	U089	56-53-1	9
Dihydrosafrole (Hazardous Substance)	<b>U09</b> 0	94-58-6	9
3,3'-Dimethoxybenzidine (Hazardous Substance)		119-90-4	9
Dimethylamine (I) (anhydrous, solution)	U092	124-40-3	2.1,3
p-Dimethylaminoazobenzene (Hazardous Substar		60-11-7	9
7,12-Dimethylbenz(a)anthracene (Haz. Substance		57-97-6	9 9 8
3,3'-Dimethylbenzidine (Hazardous Substance)	U095	119-93-7	9
Dimethylcarbamoyl Chloride	U097	79-44-7	
1,1-dimethylhydrazine (symmetrical, unsymm.)	U098	57-14-7	3,6.1
1,2-Diemthylhydrazine (symmetrical, unsymm.)		540-73-8	3,6.1
2,4-Dimethyphenol (Hazardous Substance)	U101	105-67-9	9



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	Hazardous	CAS	
Waste Description	Waste Code	Registry Number	Hazard Class
Dimethyl phthalate (Hazardous Substance)	U102	131-11-3	<u>Italaid Class</u> 9
Dimethyl Sulfate	U103	77-78-1	6.1
2,4-Dinitrotoluene	U105	121-14-2	6.1
2,6-Dinitrotoluene	U106	606-20-2	6.1
Di-n-Octyl phthalate (Hazardous Substance)	U107	117-84-0	9
1,4-Dioxane	U108	123-91-1	3
1,2-Diphenylhydrazine (Hazardous Substance)	U109	122-66-7	9
Dipropylamine	U110	142-84-7	3
Di-n-propylnitrosoamine (Hazardous Substance)		621-64-7	
Ethyl acetate (I)	U112	141-78-6	3
Ethyl acrylate (I)	U113	140-88-5	9 3 3
Ethylene bisdithiocarbamic acid, salts & esters(H		111-54-6	9
Ethylene Oxide (I,T)	Ú115	75-21-8	2.3
Ethylenethiourea (Hazardous Substance)	U116	96-45-7	
Ethyl Ether (I) (Diethyl Ether)	U117	60-29-7	9 3 3 9
Ethyl methacrylate	U118	97-63-2	3
Ethyl methanesulfonate (Hazardous Substance)	U119	62-50-0	9
Flouranthene (Hazardous Substance)	U120	206-44-0	9
Trichloromonofluoromethane (Haz. Substance)	U121	75-69-4	9
Formaldehyde (solutions - flammable, non-flam.	) U122	50-0-0	3,9
Formic acid (C,T)	U123	64-18-6	3,9 8 3 3 3
Furan (I)	U124	110-00-9	3
Furfural (I)	U125	98-01-1	3
Glycidylaldehyde	U126	765-34-4	
Hexachlorobenzene	U127	118-74-1	6.1
Hexachlorobutadiene	U128	87-68-3	6.1
Lindane (Hazardous Substance)	U129	58-89-9	9
Hexachlorocyclopentadiene	U130	77-47-4	6.1
Hexachloroethane (Hazardous Substance)	U131	67-72-1	9
Hexachlorophene	U132	710-30-4	6.1
Hydrofluoric Acid (C,T)	U134	7664-39-3	8
Hydrogen Sulfide	U135	7783-06-4	2.3,2.1
Cacodylic Acid	U136	75-60-5	6.1
Indeno[1,2,3-cd]pyrene (Hazardous Substance)	U137	193-39-9	9
Methyl iodide	U138	74-88-4	6.1
Isobutyl Alcohol (I,T) (Isobutanol)	U140	78-83-1	3
Isosafrole (Hazardous Substance)	U141	120-58-1	9
Kepone (Hazardous Substance)	U142	143-50-0	9
Lasiocarpine (Hazardous Substance)	U143	303-34-4	9
Lead acetate	U144	301-04-2	6.1
Lead phosphate (Hazardous Substance)	U145	7446-27-7	9
Lead subacetate (Hazardous Substance) Maleic aphydride	U146	1335-32-6	9
Maleic anhydride Maleic hydrazide (Hazardous Substance)	U147 U148	108-31-6 123-33-1	8 9
Malononitrile	U148 U149	109-77-3	6.1
Melphalan (Hazardous Substance)	U150	148-82-3	9
Mercury	U151	7439-97-6	8
Methacrylonitrile	U152	126-98-7	3
Methanethiol	U153	74-93-1	2.3,2.1
Methanol (I)	U155	67-56-1	3
Methapyrilene (Hazardous Substance)	U155	91-80-5	9
Methyl Chlorocarbonate (Methyl Chloroformate)		79-22-1	6.1
3-Methylcholanthrene (Hazardous Substance)	U157	56-49-5	9
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	Hazardous Waste	CAS Registry	
Waste Description	Code	Number	Hazard Class
4,4'-Methylenebis(2-Chloraniline) (Haz. Substan		101-14-4	9
Methyl Ethyl Ketone (I,T) (Ethyl Methyl Ketone		78-93-3	3 3 3
Methyl Isobutyl Ketone	U161	108-10-1	3
Methyl methacrylate (I,T) (monomer)	U162	80-62-6	
N-Methyl-N'-Nitro-N-Nitrosoguanidine	U163	10-25-7	4.1
Methylthiouracil (Hazardous Substance)	U164	56-04-2	9
Naphthalene (crude or refined)	U165	91-20-3	4.1
1,4-Naphthalenedione (Hazardous Substance)	U166	130-15-4	9
alpha-Naphthylamine	U167	134-32-7	6.1
beta-Naphthylamine	U168	91-59-8	6.1
Nitrobenzene (I,T)	U169	98-95-3	6.1
p-Nitrophenol	U170	100-02-7	6.1
Nitropropane (I,T)	U171	79-46-9	3
N-Nitrosodi-n-butylamine (Hazardous Substance)		924-16-3	9
N-Nitrosodiethanolamine (Hazardous Substance)		1116-54-7	9
N-Nitrododiethylamine (Hazardous Substance)	U174	55-18-5	9
N-Nitroso-N-ethylurea (Hazardous Substance)	U176	759-73-9	9
N-Nitroso-N-Methylurea (Hazardous Substance)	U177	684-93-5	9
N-Nitroso-N-methylurethane (Hazardous Substar		615-53-2	9
N-Nitrosopiperidine (Hazardous Substance)	U179	100-75-4	9 9
N-Nitrasopyrrolidine (Hazardous Substance)	U180	930-55-2	
5-Nitro-o-toluidine (mono)	U181 U182	99-55-8	6.1
Paraldehyde Pentachlorobenzene (Hazardous Substance)	U182	123-63-7 608-93-5	3 9
Pentachloroethane	U185 U184	76-01-7	6.1
Pentachloronitrobenzene (Hazardous Substance)	U185	82-68-8	9
1,3-Pentadiene (I) (Hazardous Substance)	U185	504-60-9	9
Phenacetin (Hazardous Substance)	U187	62-44-2	9
Phenol (molten, solid, solutions)	U188	108-95-2	6.1
Phosphorous Sulfide	U189	1314-80-3	4.3,4.1
Phthalic anhydride	U190	85-44-9	8
2-Picoline	U191	109-06-8	3
Pronamide (Hazardous Substance)	U192	23950-58-5	9
1,3-Propane sultone (Hazardous Substance)	U193	1120-71-4	
n-Propylamine (I,T)	U194	107-10-8	9 3
Pyridine	U196	110-86-1	3
p-Benzoquinone	U197	106-51-4	6.1
Reserpine (Hazardous Substance)	U200	50-55-5	9
Resorcinol	U201	108-46-3	6.1
Saccharin, & Salts (Hazardous Substance)	U202	81-07-2	9
Safrole (Hazardous Substance)	U203	94-59-7	9
Selenium dioxide (Selenium Óxide)	U204	7446-08-4	6.1
Selenium Sulfide	U205	7488-56-4	6.1
Streptozotocin (Hazardous Substance)	U206	18883-66-4	9
1,2,4,5-Tetrachlorobenzene (Hazardous Substanc	e) U207	95-94-3	9
1,1,1,2-Tetrachloroethane (Hazardous Substance)		630-20-6	9
1,1,2,2-Tetrachloroethane (Hazardous Substance)		79-34-5	9
Tetrachloroethylene	U210	127-18-4	6.1
Carbon Tetrachloride	U211	56-23-5	6.1
Tetrahydrofuran (I)	U213	109-99-9	3
Thallium (I) acetate (Thallium Compound)	·U214	563-68-8	6.1
Thallium (I) carbonate (Thallium Compound)	U215	6533-73-9	6.1
Thallium (I) chloride (Thallium Compound)	U216	7791-12-0	6.1
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ł	łazardous	CAS	
	Waste	Registry	<b>YY 1 C</b> 1
Waste Description	Code	Number	Hazard Class
Thiallium (1) Nitrate (Thallium Compound)	U217	10102-45-1	6.1,5.1
Thioacetamide (Hazardous Substance)	U218	62-55-5	9
Thiourea (Hazardous Substance)	U219	62-56-6	9
Toluene	U220	108-88-3	9 3 9
Toluenediamine (Hazardous Substance)	U221	25376-45-8	9
o-Toluidine hydrochloride (Hazardous Substance)	U222	636-21-5	9
Toluene Diisocyanate	U223	26471-62-5	6.1
Bromoform	U225	75-25-2	6.1
Methyl Chloroform (1,1,1-Trichloroethane)	U226	71-55-6	6.1
1,1,2-Trichloroethane (Hazardous Substance)	U227	79-00-5	9
Trichloroethylene	U228	79-01-6	6.1
Tris(2,3-dibromopropyl)phosphate (Haz. Substanc	) 0235	126-72-7	9
Trypan blue (Hazardous Substance)	U236	72-57-1	9
Uracil mustard (Hazardous Substance)	U237	66-75-1	9 9 3 9 9 9
Ethyl carbamate (urethane) (Hazardous Substance)		51-79-6	9
Xylene (I)	U239	1330-20-7	3
2,4-D salts & esters (Hazardous Substance)	U240	94-75-7	9
1-Propene 1,1,2,3,3,3-hexachloro (Haz. Substance		1888-71-7	9
Thiram (Hazardous Substance)	U244	137-26-8	
Cyanogen Bromide	U246	506-68-3	6.1
Methoxychlor (Hazardous Substance)	U247	72-43-5	9
Warfarin & Salts ( $< 0.3\%$ ) (Haz. Substance)	U248	81-81-2	9
Zinc Phoshide	U249	1314-84-7	4.3,6.1
Benomyl	U271	17804-35-2	9
Sulfallate	U277	95-06-7	9
Bendiocarb	U278	22781-23-3	6.1
Carbaryl	U279	63-25-2	9
Barban	U280	101-27-9	9
o-Toluidine	U328	95-53-0	6.1
p-toluidine	U353	106-49-0	6.1
Ethylene glycol monoethyl ether	U359	110-80-5	3
Bendiocarb phenol	U364	22961 <b>-82-6</b>	6.1
Molinate	U365	2212-67-1	9
Dazomet	U366	533-74-4	9
Carbofuran phenol	U367	1563-38-8	6.1
Carbendazin	U372	10605-21-7	9
Propham	U373	122-42-9	9
3-Iodo-2-propynyl n-butylcarbamate	U375	55406 <b>-53-6</b>	9
Selenium, tetrakis (dimethyldithiocarbamate)	U376	144-34-3	6.1
Potassium n-methyldithiocarbamate	U377	137-41-7	9
Potassium n-hydroxymethyl-n-methyldithiocarbam	ateU378	51026-28-9	9
Sodium dibutyldithiocarbamate	U379	136-30-1	9
Sodium diethyldithiocarbamate	U381	148-18-5	9
Sodium dimethyldithiocarbamate	U382	128-04-1	9
Potassium dimethyldithiocarbamate	U383	128-03-0	9
Metam-sodium	U384	137-42-8	9
Vernolate	U385	1929-77-7	P
Cycloate	U386	1134-23-2	9
Prosulfocarb	U387	52888-80-9	9
Triallate	U389	2303-1 <b>7-5</b>	9
EPTC	U390	759-94-4	9
Pebulate	U391	1114-71-2	9 9 9 9 9 9 9 9
Butylate	U392	2008-41-5	9
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 Table:
 II.A.5/6.-1

 Revision:
 1

 Date:
 05/11/98

 Page:
 200.b

## PERMITTED HAZARDOUS WASTE

	Hazardous Waste	CAS Registry	
Waste Description	Code	Number	Hazard Class
Copper dimethyldithiocarbamate	U393	137-29-1	6.1
A2213	U394	30558-43-1	9
Diethylene glycol, dicarbamate	U395	5952-26-1	6.1
Ferbam	U396	14484-64-1	9
Bis(pentamethylene) thiuram tetrasulfide	U400	120-54-7	9
Tetramethylthiuram monosulfide	U401	97-74 <b>-5</b>	9
Tetrabutylthiuram disulfide	U402	1634-02-2	9
Disulfiram	U403	97-77-8	9
Triethylamine	U404	121-44-8	3
Ethyl ziram	U407	14324-55-1	9
Thiophanate-methyl	U409	23564-05-8	9
Thiodicarb	U410	59669-26 <b>-0</b>	9
Propoxur	U411	114-26-1	6.1

N/A: Not Applicable, None Found H.S.: Hazardous Substance

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two in I beams, that nest horizontally - le mixers - 4 15,000 gal to store Waste juel. - increase #'s of containers 696 + 824 - inside building store according to bot and their Storage group Codes (SGC's). A sign showing the current SGC & corresponding hazard classes is posted on every cell. - only treat characteristic wasterrater pointed on Characteristic wasterrater pointed on Characteristic wasterrater pointed on Characteristic wasterrater - transfer waste will not have white label ask for manifest y in question. - Waste suitable for fuel is defined as a material having a heating value of at least 5,000 BTU per gallon. Tests to determine if waste is suitable include: OH Pspecific gravity ability to support combustion separated layers reactive char when mixed wother wastefuels - Wastewater Freatment 2 8,000 Sallon 4 10,000 Sallon Container storage area (5 S6C's) IH - low flash point classified as flammables + combustibles PT 110000110. RI - flammable, non-flammable/non-poisonous gases apontaneously + non-spontaneously combustible solids, water reactives, oxidizers + peroxides. Dervestion relation 00 - corrosive caustics & acids which may also exhibit ignibable characteristics PH - mostly poisonous materials MH - environmentally hazardous materials and low level poisons.

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#### CHEMCON CHRONOLOGY SHEET

Rec.

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3/19/86	Cross→Collins Re: Chemcon has asked Cross/Tessitore to prepare hazardous waste permit. Letter schedules pre-permit conference.
4/11/86	Cross→Levin Re: Submittal of Operating Permit Application (#HO48-118812) along with fee, form requesting releases from SWMU's and list of chemicals handled.
5/1/86	Hunt→Chambers Re: Material submitted as part of the operating permit application does not meet the requirements of financial assurance.
6/10/86	Tedder→Chambers - First NOD for HO48-118812
7/11/86	Cross→Tedder - Response to the First NOD for HO48-118812
8/15/86	Tedder→Chambers - Second NOD for HO48-118812
9/9/86	Robinson→Tedder - Response to the Second NOD followed y letter from Cross→Tedder with response.
12/1/86	Hunt→Tedder Re: Chemcon has not responded to her regarding financial assurance, therefore, no permit
12/29/86	Scarbrough (EPA)→Chambers Re: EPA and District representative will conduct site visit on 1/13/87 for use in developing a RCRA Facility Assessment (RFA).
1/5/87	Griffin→Levin - Comments from Tallahassee on the draft permit
1/14/87	Hunt→Chambers - Chemcon's response did not demonstrate compliance with liability requirements. Proof of liability coverage must be demonstrated at least 60 days prior to the receipt of hazardous waste.
1/21/87	Intent to Issue-HO48-118812 - Alexander→Chambers
1/26/87	Houston→Hartnett (EPA)→file - Notes during VSI
2/10/87	Proof of Publication for HO48-118812
2/17/87	Proof of Publication received a second time for same announcement
3/27/87	Levin $\rightarrow$ file - No petitions filed with OGC on permit.
5/13/87	Tedder $\rightarrow$ Gionis - Original request for RCRA Enforcement Activity (withdrawn because Chemcon is not yet a permitted facility). Has not met the financial requirements.
5/15/87	Chambers→Tedder re Financial responsibility response.
6/15/87	Levin→Pinion Re: Guidance sending manual on closure/post closure cost estimates.

log 2/27/97 ce:to Bob Suydu

8/4/87	Tedder→file Re: Financial Requirements phone call
3/27/87	Alexander→Chambers Hazardous Waste Operating Permit #HO48-118812 issued.
10/30/87	Tedder $\rightarrow$ Chambers Re: Renewal time change, as of 9/23/87 a facility shall apply for a renewal operating permit 135 days prior to expiration.
11/24/87	Pinion→Hunt - Submitting a copy of the Closure Plan and Documentation of financial Assurance.
11/25/87	Pinion→Tedder Re: Submittal of revised closure Plans Closure Cost Estimates and financial assurance for Chemcon.
11/25/87	Cross/Tessitore Re: Chemcon Hazardous Waste Transfer Facility Documentation of Closure Plan and financial Assurance.
12/28/87	Hunt $\rightarrow$ Chambers - Trust fund agreement complete and adequate. However, they neglected to address liability requirements. Need to provide liability coverage.
1/22/88	Levin $\rightarrow$ file Re: Conversation with Chambers regarding revised closure plan submitted on 11/25/87. Estimate based on 400/55 gallon drums instead of the maximum capacity of 800-55 gallon drums. They will submit a permit modification to decrease the number of drums they may store.
2/15/88	Chambers $\rightarrow$ Hunt - amendment to the permit requesting they decrease the amount of drums allowed to be stored.
2/22/88	Hunt→Tedder Re: Permit mod request
2/24/88	Alexander→Chambers Permit Modification (reduce storage capacity from 800 to 400 drums /20/88 Pinion→Tedder - Trust Fund Agreement for Financial Assurance for Closure
6/22/88	Tedder→file - Phone call Re: liability coverage
6/24/88	Hunt→Tedder - Status of closure costs - insufficient
7/6/88	Tedder $\rightarrow$ Chambers -Chemcon has not fully complied with financial requirements.
10/5/88	Tedder→Hunt - District is preparing warning letter because of the financial requirements.
10/6/88	Chambers→Hunt - Post Closure Trust Agreement
10/7/88	Alexander→Chambers - Warning Notice for financial requirements
12/29/88	Tedder→file - conversation with Chambers Re: Warning Notice. Chambers has left Chemcon Labadie unaware of Warning Notice. FDER preparing to revoke permit
1/12/89	Labadie→Tedder Re: Response to Warning notice 1. Copy of Sudden Liability Insurance 2. Chemcon letter to D. Hunt 3. Deposit to Trust fund

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1/19/89	Wick $\rightarrow$ Chambers - Trust fund balance is adequate to cover closure cost estimate.
	However, requesting a signed duplicate original of liability insurance.
8/1/89	Hughes (CTA)→Levin Re: Change in management (Chambers→Labadie)
8/4/89	Alexander→Chemcon Permit Modification (changing management names)
8/21/89	Wick→Labadie Re: Chemcon in compliance with 40 CFR 264, Subpart H.
9/15/89	Hughes→Levin - Updates to Chemcon permit reflecting changes in management
3/27/90	Clark $\rightarrow$ Labadie - Requesting renewal of the certification of liability insurance. Also reminder the closure cost estimate due by 4/30/90 - adjusting for inflation.
5/28/90	Clark→Labadie - financial documents in compliance
9/26/90	Pinion→Scarbrough Re: Modification of TSDF Permit to accept newly created TCLP Waste Codes at Chemcon.
11/19/90	Pinion→Levin Re: request for Determination of Regulatory Requirements for Proposed Site Modifications. (Bulking non-hazardous waste, petroleum contaminated soils, crushed oil filters and various non-hazardous ink production residues).
12/11/90	Pinion→Levin re Revised version of the original 11/15/90 request from Cross Tessitore.
1/14/91	Snyder $\rightarrow$ Pinion - Responding to their request for regulatory interpretation to the proposed site mod.
1/15/91	Outlaw→Levin Re: Proposed storage of non-hazardous waste
1/31/91	Pinion→Snyder - Chemcon request to store non-hazardous waste in the Hazardous Waste Drum Storage Floor and to conduct bulking of non-hazardous waste.
3/25/91	Alexander→Labadie Re: Permit Modification (Not clear what the Mod was for)
5/22/91	Gonzalez(CTA)→Levin re Pre-application meeting for construction permit (tanks, modify existing storage permit, renewal of their operating permit)
6/21/91	<ul> <li>Snyder→Gonzalez - Response to Gonzalez's letter of 5/22/91 stating:</li> <li>1. Chemcon must apply for a construction permit</li> <li>2. Chemcon needs to apply for a renewal permit no later than 11/13/91 which should include drum storage/storage and treatment tanks/and tanks for fuel blending.</li> <li>3. Letter from Chemcon waiving the permit processing time clock (eliminate the requirement for modification of the existing permit).</li> <li>4. Informed of increased fees.</li> <li>5. BIF rule - identify Chemcon's policy</li> <li>6. Requirements for transporters and marketers regarding hazardous waste as fuel.</li> </ul>
7/9/91 process.	Gonzalez→Levin Re: Diagram interpreting the Departments position on the permitting
7/15/91	Gonzalez→Levin - Updating the contingency Plan

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7/19/91	Gonzalez→Sullivan - Discussing requirements of Chemcon to evaluate regulating implications of bulking F006 waste.
8/7/91	Snyder→Sullivan Re: Bulking of F006 Waste
9/13/91	Snyder→Sullivan Re: Permit Renewal (fees and notification requirements)
10/15/91	Clark→Labadie Re: Meeting liability insurance requirements
10/29/91	Construction Permit Application (HC48-204160) & check \$5,000
10/31/91	Clark→Lobly Re: Trust fund fully funded
11/14/91	Kastury→Labadie Re: Workshop to Discuss Issuance/Modification of State Permits for Managing TC Wastes.
12/24/91	Chemcon signed 60 day waiver
1/17/92	Comments from John Griffin reviewing construction application
2/17/92	Additional information transmittal slip Snyder→Kastury
2/27/92	First NOD
3/12/92	Additional information transmittal slip Snyder→Kastury
4/27/92	Rykowski→McGehee re:Do not need to submit operating permit application as long as the current (construction) application addresses how operation will be conducted.
5/19/92	Clark→Labadie re:Need to adjust closure cost trust fund.
5/28/92	McCurry (EPA RCRA Permitting Section)→Bokey (EPA HW Compliance Section) re: Request for assistance in developing and implementing a Phase II RFA Sampling Workplan for Chemcon.
6/18/92	Rykowski→Snyder re; Description plan for operating the facility during the construction phase and location of protective liner.
7/29/92	<ul> <li>McGehee→file re: Meeting with Armondo Gonzales discussing Construction Permit Status</li> <li>1.He is still in the process of responding to the first NOD</li> <li>2. Additional changes; Chemcon is proposing to submit along with the response (ex: Adding Blending Tanks).</li> <li>3. Noted they are operating without a permit -operating permit expired 3/92.</li> <li>4. Armondo will have response ready by 8/15/92.</li> <li>5. Construction phasing - Chemcon not in a position to financially construct the facility this application covers. Time frame as far as 3 years away.</li> <li>6. Construct a phase chart indicating the order of construction and anticipated month/year they will be completed.</li> <li>7. District will ask Tallahassee for approval to this approach. It's construction is scheduled too far in advance, we may need to issue the permit for what they plan to do now and then apply for a modification permit to construct additional phases.</li> </ul>

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	8. Closing note: If they are not planning to construct the facility this construction permit application indicates Chemcon may have to reduce the scope of this permit to address what they are anticipating to do at this time.
8/4/92	Construction & Operating Implementation Plan (faxed)
9/22/92	Meeting notes discussing change in container storage area, waste analysis plan, fuel blending for energy recovery, emission control for mixers.
9/30/92	Response to First NOD transmittal Snyder→Kastury.
11/16/92 Removal	Time frame chart showing Phase I - Container Storage Unit and Phase II Waste Process Area (WRPA) and Tank Storage Unit (TSU).
11/24/92	<ul> <li>Labadie→Bostwick, Re: New requirements of Transfer Facilities</li> <li>1. Updated contingency and emergency plan</li> <li>2. Closure plan</li> <li>3. Maintain written record</li> <li>4. Update and Transfer facility notification form.</li> </ul>
1/21/93	Gonzalez→Tamayo (Orange Co. Public Works)
1/27/93	Intent to Issue sent to Chemcon
2/2/93	Proof of Publication received
2/2/93	Proof of Radio Broadcast received
3/19/93	Permit Issued (HC48-204160)
4/1/93	Fax-Gonzalez→McGehee Re: Latest update to the Contingency Plan
4/9/93	Monthly Status Report
4/13/93	Fax-Gonzalez→McGehee Re: Fence replaced
5/11/93	Monthly Status Report
5/13/93	Snyder→Gonzalez Re: Requesting a pre-modification meeting to discuss construction permit modification.
6/8/93	Meeting notes of this date with Armondo Gonzalez. Stephanie Sorantino and Mary McGehee to discuss inspection/permit concerns.
6/10/93	Monthly Status Report
7/9/93	Monthly Status Report
8/25/93	Monthly Status Report
9/8/93	Gonzalez $\rightarrow$ Alexander Re: Monthly Status Report stating: "Chemcon is waiting for approvals for plans related to tasks that need to be completed before implementation of the construction schedule may resume".

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9/8/93	Monthly Status Report
10/4/93	Snyder $\rightarrow$ g Re: review of Monthly Status Report vs. items that are considered potential permit modification issues
10/6/93	Williamson→ Gonzalez Closure cost estimate has satisfied financial requirements.
10/7/93	Snyder→ Gonzalez Re: Approval of Temporary Container Storage Unit Contingency Plan.
10/7/93 for minor mod w	Snyder→ Gonzalez Re: Minor Modification for Loading Dock - need request in writing with a check for \$250 processing fee.
10/7/93	Snyder $\rightarrow$ Gonzalez Re: Tank Removal Plan. Confirmation that DEP approves plan and will be present for sampling
10/11/93	Williamson→Gonzalez Re: Liability coverage in order
10/21/93	Gonzalez $\rightarrow$ Snyder Re: Permit Modification Request for Loading dock along with fee.
10/21/93	Monthly Status Report
11/15/93	Monthly Status Report
11/23/93	Snyder→Kastury Transmittal on Permit Mod (HCMM-239812)
11/23/93	Permit Modification-Loading Dock
11/23/93	Alexander -> Gonzalez -Permit Modification issued for Loading Dock
11/23/93	Snyder→ Kastury -Transmittal slip Re: Permit Modification from Chemcon
12/14/93	Monthly Status Report
1/7/94	Franzmathes→Labadie Re: CERCLA off-site rule, Affirmative Determination of Acceptability
2/4/94	Snyder -> Gonzalez Re: Aerosol can liquid removal process plan would be considered
2/25/94	treatment requiring a permit. Monthly Status Report
3/14/94	Monthly Status Report
4/11/94	Monthly Status Report
4/25/94	Gonzalez $\rightarrow$ Snyder Re: Submittal of modification to the construction permit.
4/28/94	<ul> <li>Snyder→Gonzalez Re: Returning the Permit Modification submitted 4/25/94 stating.</li> <li>1. Submit as a permit modification with appropriate fee.</li> <li>2. Mod shale include revised numbered pages and an explanation of the mod.</li> <li>3. Revised index sealed by PE</li> </ul>

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4. MSR's are not a mechanism to make changes that represent decisions by the facility to alter permit documents. 10/11/94 Mason→Gonzalez Re: Financial Assurance is deficient. 5/20/94 Monthly Status Report 7/6/94 Monthly Status Report 9/30/94 Gonzalez  $\rightarrow$  Sullivan-Internal Chem Con Memorandum to identify consolidation codes for inbound waste streams. Gonzalez →Mason Re: Documents for financial instrument for closure (increase in trust 10/17/94 fund to close) Snyder→ Gonzalez Re: Meeting and phone conversations to address changes made and 10/19/94 proposed in the construction permit. 1. CCC must submit a major modification to incorporate all changes made and proposed. Monthly Status Reports is not a mechanism for changes to the permit. 2. Installation of acid neutralization tank would require a permit and be considered treatment when allowed to operate. 3. Fee 4. F006 absorbent not considered treatment. 5. Phase I completed (berming, loading dock). 6. Transfer area not a designated area. CCC will develop a method for inspectors to readily identify transfer waste and address it in the permit modification. 7. Non-hazardous waste being disposed of as a hazardous waste will be clearly market and easily identifiable by inspectors. 8. Crushing or puncturing aerosol cans will not be considered treatment requiring a permit. 9. Segregation of waste in storage area. 11/18/94 Finney→Wick Re: Review of Closure Cost Estimate listing deficiencies. 11/21/94 E-Mail McGehee→Snyder & White Re: INCIDENT (Combining to acids which were incompatible). Also Conversation With Armando notes we were anticipating permit mod by Dec. 15, 1994. He wants to extend submittal to end of Jan. 1995. 12/1/94 Snyder→Gonzalez Re: Department anticipates the revised construction/operation permit application (modification to be submitted 2/95. Discussed fees and need for future modification fees if changes come in after this application modification. 12/2/94 E-Mail Mason→McGehee. After a series of e-mail messages, final outcome here is that Chemcon is currently in compliance with the financial requirements. 12/29/94 Fax received Gonzalez $\rightarrow$ McGehee Re: description of the incident occurring Nov. 21, 1994 along with procedures to prevent future commingling of two incompatible of waste acids. 1/11/95 Chemcon→DEP Re: Hazardous Waste Permit Construction Development Outline for Chemcon.

1/18/95	Gonzalez→Snyder Re: Request for authorization to construct secondary containment for hazardous waste fuel storage tanks. (Attached drawings show the proposed
location of the ta	
1/20/95	Snyder $\rightarrow$ Gonzalez Re: DEP has no objections to construction of the walled area adjacent to the loading dock.
2/9/95	Chemcon developed a List of Possible Changes to the Permit application which was discussed in a meeting on this date.
2/20/95	Mason→Gonzalez Re: Financial assurance demonstrated.
3/30/95	Schedule for construction permit application modification submittal
4/10/95	K. William's→Snyder Re: Photos sent for review and possible additional information DEP can provide.
4/19/95	Fax- Clifton→McGehee Re: Fact Sheet for HSWA permit.
5/25/95	Snyder→Farmer Re: Draft HSWA permit comments
0/1/05	

8/1/95 Gonzalez  $\rightarrow$  Snyder-Photos of vacility showing newly constructed secondary containment system, two tanks that will be utilized to store hazardous waste fuels when permit is issued and a steel frame to cover the loading dock and tank storage system.

8/8/95	Gonzalez→Farmer Re: Submittal of Class I Permit Modification to amend the list of
	hazardous waste codes approved in the current permit.

12/4/95 Permit Modification transmittal Snyder→Kastury for Construction Mod/Operating.

12/4/95 Snyder→Kastury - Transmittal for permit modivication #'s HC02-279948 and HO02-279952 which is modifying the construction and operation of Chem Con currently working under construction permit #HO48-204160.

REC:

8/1/95 Gonzalez  $\rightarrow$  Snyder - Photos of vacility showing newly constructed secondary containment system, two tanks that will be utilized to store hazardous waste fuels when permit is issued and a steel frame to cover the loading dock and tank storage system.

9/30/94 Gonzalez →Sullivan-Internal Chem Con Memorandum to identify Consolidation Codes for Inbound Waste Streams.

12/4/95 Snyder→Kastury - Transmittal for permit modification #'s HC02-279948 and HO02-279952 which is modifying the construction and operation of Chem Con currently working under construction permit #HO48-204160.

1/16/96 E-Mail McGehee  $\rightarrow$  White Re: questions on possible concerns with what Chem Con has proposed.

1/18/96 Ryan  $\rightarrow$  Gonzalez - Liability Coverage policy is in order.

1/24/96 Snyder→Gonzalez -First NOD for HC02-279948 and HO02-279952

wastewater.	E-Mail Kappler→McGehee Re: Chem Con bulking chromium contaminated		
2/11/96	E-Mail Snyder $\rightarrow$ Kappler Re: Chem Con assuming the role of the generator.		
2/12/96 permit.	McGehee →file-Notes used during internal DEP presentation about proposed Chem Co		
2/15/96	E-Mail McGehee $\rightarrow$ HW staff Re: site visit to Chem Con		
2/29/96	E-Mail McGehee →Bostwick/Snyder/Outlaw Re: Chem Con public notice		
2/29/96	E-Mail Bostwick -> McGehee Re: Chem Con public notice		
3/6/96	Snyder→ Gonzalez -Letter (never signed) Re: public notice requirements		
6/11/96	E-Mail Emery→District HW-r EMC Used Oil and Chem Con		
6/18/96	Snyder→ Gonzalez Re: NOD RESPONSE SUBMITTAL		
6/29/96	Gonzalez $\rightarrow$ Snyder-Response to the First NOD		
8/1/96	Ryan→ Gonzalez Chem Con in compliance with financial requirement		
8/12/96	Snyder→Kastury-Transmittal slip Re: response from Chem Con to the First NOD		
8/19/96	Gonzalez $\rightarrow$ Snyder Re: Proof of publication for notice of permit application		
8/19/96 application a	E-Mail McGehee →Doug Outlaw/John Griffin asking Tallahassee to review Chem Con nd response.		
8/26/96	R.Clark→Labadie -Inconsistencies in the 1995 Biennial HW report.		
10/2/96	FAX Gonzalez →Snyder Re: Waiver of 60 day time clock signed by Labadie		
12/16/96 facility.	Copy of Chem Con's Valdosta, GA Operating Permit obtained during a visit to this		
12/17/96	Restricted EPA Code list we received from a visit to Laidlaw's Bartow facility.		
12/17/96 from the cont	EPA, Region VII (Received from Laidlaw) Re: Regional Policy to remove waste codes ents of working tanks - Memo dated Jan 3, 1992.		
12/19/96	E-Mail McGehee →Patel Re: Wastewater Treatment visit (IWS.JAX)		
1/31/97	E-Mail Snyder→HW staff Re: Bromine incident		
	E-Mail Snyder→HW staff re Bromine incident		
2/1/97	•		

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### CHEMCON CHRONOLOGY SHEET

- 3/10/97 Warning Letter
- 4/8/97 Meeting reference permit issues
- 4/18/97 Second NOD
- 6/15/97 Response to second NOD
- 9/30/97 Notice to cease bulking operations
- 10/1/97 Meeting to respond to incidents at facility
- 10/13/97 Revised waste compatibility manual
- 10/29/97 Notice of unacceptability for CERCLA
- 1/16/98 Notice of acceptability for CERCLA
- 3/31/98 Telephone conversation regarding additional info needed
- 5/19/98 Revised waste codes and charts
- 7/8/98 Proposal for Dock Extension to accomodate transfer waste
- 11/6/98 Operating and Construction Permit issued

SENDER: HAZARDOUS WASTE Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that	we can return this	following services (for an extra fee):
<ul> <li>Print your name and address on the reverse of this form so that card to you.</li> <li>Attach this form to the front of the mailpiece, or on the back if sp permit.</li> <li>Write "Return Receipt Requested" on the mailpiece below the a</li> </ul>		1. Addressee's Address 2. Restricted Delivery
The Return Receipt will show to whom the article was delivered delivered.	and the date	Consult postmaster for fee.
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