DRAFT
HAZARDOUS WASTE
OPERATING RENEWAL PERMIT

OCCIDENTAL CHEMICAL CORP.
GEISMAR FACILITY
LAD092681824-OP-RN-1
AI#3400/PER20050004

RECORD CENTER COPY

FACT SHEET

FACT SHEET

DRAFT HAZARDOUS WASTE OPERATING RENEWAL PERMIT PREPARED FOR

Occidental Chemical Corporation

EPA ID # LAD 092 681 824
Agency Interest # 3400
PER20050004

Geismar, Louisiana
Ascension Parish

Permit Number LAD092681824-OP-RN-1

I. INTRODUCTION

This fact sheet has been developed in accordance with the Louisiana Administrative Code (LAC) 33:V.703.D and briefly sets forth principal and significant facts, legal, methodological and policy requirements of the proposed draft hazardous waste post-closure permit for Occidental Chemical Corporation (Occidental), EPA ID Number LAD092681824, Agency Interest Number 3400, for the Container Storage Area, Halogen Acid Furnace, and Hazardous Waste Storage Tanks located in Geismar, Ascension Parish, Louisiana.

Occidental is seeking to renew its hazardous waste operating permit governing the treatment and storage activities of the above referenced units.

The Louisiana Department of Environmental Quality (LDEQ) has prepared this proposed draft hazardous waste operating renewal permit which addresses the requirements of LAC Title 33, Part V, Subpart 1 and the Federal Resource Conservation and Recovery Act (RCRA) as amended by the 1984 Hazardous and Solid Waste Amendments (HSWA). The facility must continue to comply with existing corrective action provisions in its Final Post-Closure Permit (LAD 092 681 824-PC-01) issued 09/27/2006, which contains HSWA provisions, including but not limited to site-wide corrective action.

II. THE PERMITTING PROCESS

The purpose of this fact sheet is to initiate the permit decision process. The LDEQ's Office of Environmental Services - Waste Permits Division (OES-WPD) is required to prepare this draft hazardous waste permit. The draft permit sets forth all the applicable conditions that the permittee is required to comply with during the life of the permit. Occidental submitted its Hazardous Renewal Operating Permit Application, on May 31, 2005.

The permitting process will afford the LDEQ, interested citizens, and other agencies the opportunity to evaluate the ability of the permittee to comply with the requirements of the LAC 33:V.Subpart 1, and the Hazardous and Solid Waste Amendments (HSWA) portion.

The public is given a minimum of forty-five (45) days to review and comment on the draft permit. The Administrative Authority, prior to making a decision or taking any final action on the draft permit, will consider all significant comments. The decision of the Administrative Authority shall be to issue, deny, modify, or revoke the draft permit in accordance with LAC 33:V.705.

A. DRAFT HAZARDOUS WASTE PERMIT

The Waste Permits Division reviewed the permit application and other pertinent technical information, and prepared a draft permit that contains the language that pertains to the continued operation of hazardous waste management units listed in Section IV.

This draft hazardous waste permit is a tentative determination and is not the final decision of the Administrative Authority.

B. PUBLIC COMMENT PERIOD

LAC 33:V.715 requires that the public be given at least forty-five (45) days to comment on a draft permit decision.

The specific dates for the opening and closing of the public comment period are contained in the public notice that was issued for this particular permitting action. Any person interested in commenting on the draft permit for Occidental must do so no later than the end of the allotted forty-five (45) day comment period.

A public hearing for the draft permit will be held on the date, and at the location and time provided in the public notice (See the attached notice in the Public Participation Section of the Draft Permit). LDEQ will hold the hearing at least forty-five (45) days after the date on which the public notice is given.

Public notice of the proposed permitting action and of the hearing shall be published in specified newspapers, announced on the designated radio station, and mailed to those persons contained on the facility's mailing list.

C. LOCATIONS OF AVAILABLE INFORMATION

The administrative record, including all supporting documents, is on file at the LDEQ Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, Louisiana. These documents may be inspected and copied (at $0.25 per copy page) at any time between the hours of 8:00 a.m. to 4:30 p.m., Monday through

Friday (except holidays).

In addition, a copy of the draft operating renewal permit, fact sheet, and supporting documents are available for review at the **Ascension Parish Library-Gonzales Branch, 708 South Irma Boulevard, Gonzales, Louisiana, 70737.**

D. WRITTEN COMMENT SUBMISSION

Interested persons may submit written comments on the draft permit to the Administrative Authority, at the address listed below, no later than 12:30 p.m. on the closing date of the comment period. All comments should include:

1. the name and address of the commenter,
2. a concise statement of the exact basis for any comment and supporting relevant facts upon which the comment is based,
3. identification of the facility commented on (the EPA Identification Number and AI number), and
4. supporting relevant facts upon which the comments are based.

All comments and/or further requests for information (including copies of this decision, fact sheet, and any requests by public interest groups or individuals who would like to be included in the mailing list) should be made in writing to:

Ms. Soumaya Ghosn
Louisiana Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
(225) 219-3276 or fax (225) 219-3309

Any technical questions regarding this draft permit should be addressed to:

Ms. Nora Lane
Louisiana Department of Environmental Quality
Office of Environmental Services
Waste Permits Division
Post Office Box 4313
Baton Rouge, LA 70821-4313
(225) 219-0956 or fax (225) 219-3158

III. DESCRIPTION OF OVERALL SITE

The facility is located at 8318 Ashland Road, Geismar, Ascension Parish, Louisiana. The facility manufactures the following compounds 24-hours, 7 days per week: sodium hydroxide, chlorine, hydrochloric acid, ethylene dichloride, perchloroethylene, methylene chloride, carbon tetrachloride, methyl chloride, 1,1,1,3,3-pentachloropropane, and chloroform. The SIC codes under which Occidental operates are 2819 (chlorosolvents), 2812 (liquid sodium hydroxide and chlorine), 2813 (hydrogen gas), and 2818 (muriatic acid). The following hazardous waste codes are generated and managed at the facility: D001, D019, D022, D028, D029, D032, D033, D034, D035, D039, D040, D043, K016, K019, K028, K096, F002, F003, F005, F024, F025, F039, U002, U043, U044, U045, U075, U077, U080, U108, U121, U133, U154, U159, U210, U211, U226, and U228.

IV. HAZARDOUS WASTE FACILITIES

This draft hazardous waste operating renewal permit is only applicable to the following units:

Container Storage Yard
Tank D-40
Tank D-163
Tank D-2009
Halogen Acid Furnace (F-1 HAPF)

These treatment, disposal and storage units handle wastes from the production process of the manufactured chemicals listed above.

V. FINANCIAL AND LIABILITY REQUIREMENTS

Occidental Chemical Corporation has submitted documentation to satisfy the financial assurance requirements of LAC 33:V.Chapter 37.

VI. SUMMARY OF ENVIRONMENTAL FACTORS CONSIDERED

In accordance with the requirements set forth by the Louisiana Supreme Court in Save Ourselves v. Louisiana Environmental Control Commission, 452 So. 2d 1152 (La. 1983), the LDEQ has considered the following factors in its draft decision on this renewal permit. This is a preliminary analysis based on information currently available to the LDEQ.

A. The potential and real adverse environmental effects of the proposed project have been avoided to the maximum extent possible.

Occidental submitted its Permit Renewal Application for all the above listed hazardous waste units. The units actively manage wastes derived from the production of various chemicals.

This permit does not propose the alteration of waste classifications, codes or characteristics. The design and operating procedures associated with the above-listed units will comply with all regulatory and permit requirements to prevent the releases to the environment. These actions minimize the potential and real adverse environmental effects of handling hazardous waste to the maximum extent possible.

B. A cost benefit analysis of the environmental impact balanced against the social and economic benefits of the project demonstrates that the social and economic benefits outweigh environmental impacts.

This is an existing facility submitting an application for the continued operation of its permitted hazardous waste management units. Occidental conducts chemical manufacturing operations at its Geismar Plant and generates hazardous waste managed on-site in the RCRA permitted units. There are ongoing hazardous waste management activities involving the regulated units.

The proposed permit should have little or no affect on property values, the tax base, economic development, or public costs as they pertain to the economics of the local community. The proposed draft hazardous waste permit should not promote the need for additional fire protection, police, medical facilities, or roads.

C. There are no <u>alternative projects</u> or <u>alternative sites</u> or <u>mitigating measures</u> which offer more protection to the environment than the proposed project without unduly curtailing non-environmental benefits to the extent applicable.

1. ALTERNATIVE PROJECTS

This draft permit is for the continued on-site management of hazardous waste generated from the production of the chemicals listed above. There are no known alternative projects that would offer more protection to the environment than issuing a renewal operating permit for the RCRA hazardous waste management units without unduly curtailing non-environmental benefits.

2. ALTERNATIVE SITES

This draft permit renewal is for an existing facility. The hazardous waste units to be permitted are used to manage hazardous waste generated on-site. Since chemical manufacturing and associated activities are ongoing at the facility, it is anticipated that relocating these units to a different existing or new location will result in greater environmental impact due to siting and transportation considerations, as well as increased hazardous waste production and transportation.

3. MITIGATING MEASURES

By submittal of its hazardous waste permit renewal application, Occidental has demonstrated that the continued operation of the existing, hazardous waste management units will comply with all applicable hazardous waste regulations and permit requirements and will be protective of human health and the environment. No mitigating measures would offer more protection to the environment than permitting without unduly curtailing non-environmental benefits.

SIGNATURE PAGE

DRAFT PERMIT

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

HAZARDOUS WASTE OPERATING PERMIT

PERMITTEE: OCCIDENTAL CHEMICAL CORPORATION

PERMIT NUMBER: LAD 092681824-OP-RN-1
Agency Interest # 3400 Activity #PER20050004

FACILITY LOCATION: 8318 ASHLAND ROAD
GEISMAR, LOUISIANA, 70734

This permit is issued by the Louisiana Department of Environmental Quality (LDEQ) under the authority of the Louisiana Hazardous Waste Control Law La. R.S. 30:2171 et seq., and the regulations adopted thereunder and under the authority of the 1984 Hazardous and Solid Waste Amendments (HSWA) to the Resource Conservation and Recovery Act (RCRA) to Occidental Chemical Corporation (hereafter called the Permittee), to operate a hazardous waste Treatment, Storage and Disposal (TSD) facility located in Geismar, Louisiana, at latitude 30° 11' 30" N and longitude 90° 58' 27" W.

For the purposes of this permit, the "Administrative Authority" shall be the Secretary of the Louisiana Department of Environmental Quality or his/her designee.

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein and the applicable regulations contained in the Louisiana Administrative Code, Title 33, Part V, Subpart I (LAC 33:V.Subpart 1.) Applicable regulations are those which are in effect on the effective date of issuance of this permit.

This permit is based on the assumption that the information provided to LDEQ by the Permittee is accurate. Further, this permit is based in part on the provisions of Sections 206, 212, and 224 of the HSWA of 1984, which modify Section 3004 and 3005 of RCRA. In particular, Section 206 requires corrective action for all releases of hazardous waste or constituents from any solid waste management unit at a treatment, storage or disposal facility seeking a permit, regardless of the time at which waste was placed in such unit.

Section 212 provides authority to review and modify the permit at any time. Any inaccuracies found in the submitted information may be grounds for the termination, modification, revocation, and reissuance of this permit (see LAC 33:V.323) and potential enforcement action. The Permittee must inform the LDEQ of any deviation from or changes in the information in the application which would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

This permit shall be effective as of _____, and shall remain in effect until_____, unless revoked, reissued, modified or terminated in accordance with LAC 33:V.323 and 705 of the Louisiana Hazardous Waste Regulations. The Administrative Authority may issue any permit for a duration that is less than the maximum term of ten (10) years and the term shall not be extended beyond the maximum duration by modification in accordance with LAC 33:V.315.

Provisions of this permit may be appealed in writing pursuant to LA. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the Secretary elects to suspend other provisions as well. A request for hearing must be sent to the following:

Louisiana Department of Environmental Quality
Office of the Secretary
Attention: Hearings Clerk, Legal Services Division
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

_____DRAFT_____ _____

Cheryl Sonnier Nolan, Assistant Secretary — Date
Louisiana Department of Environmental Quality

PUBLIC PARTICIPATION

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
OCCIDENTAL CHEMICAL CORPORATION
GEISMAR FACILITY
PUBLIC HEARING AND REQUEST FOR PUBLIC COMMENT ON A HAZARDOUS WASTE OPERATING RENEWAL PERMIT

The LDEQ, Office of Environmental Services, will conduct a public hearing to receive comments on the Draft Hazardous Waste Operating Renewal Permit for Occidental Chemical Corporation, 8318 Ashland Road, Geismar, Louisiana 70734 for the Container Storage Area, Storage Tanks, and Halogen Acid Production Furnace. **The facility is located at 8318 Ashland Road, Geismar, Ascension Parish.**

The hearing will be held on **Tuesday, September 8, 2009, beginning at 6:00 p.m., at the Geismar Community Center, 12060 Highway 73, Geismar, LA 70734.** During the hearing, all interested persons will have an opportunity to comment on the draft permit.

Occidental Chemical Corporation proposes to renew its hazardous waste operating permit which allows it to store and treat hazardous waste generated during the production of various industrial chemicals such as sodium hydroxide, chlorine, and others. The proposed draft renewal permit would allow the facility to continue operations which are currently permitted in the expired operating permit. Occidental operates under the following SIC Codes: 2819 (chlorosolvents), 2812 (liquid sodium hydroxide and chlorine), 2813 (hydrogen gas) and 2818 (muriatic acid) to produce the industrial chemicals noted above.

Written comments or written requests for notification of the final permit decision regarding this permit may also be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests for notification must be received by 12:30 p.m., Thursday, September 10, 2009.** Written comments will be considered prior to a final permit decision.

LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The Draft Hazardous Waste Operating Renewal Permit is available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the Ascension Parish Library-Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737 and the Iberville Parish Library-East Iberville Branch, 5715 Monticello St., St. Gabriel, LA 70776.

Individuals with a disability, who need an accommodation in order to participate in the public hearing, should contact Heather Manry at the above address or by phone at (225) 219-3279.

Inquiries or requests for additional information regarding this permit action should be directed to Nora Lane, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-0956.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the draft permit and associated information can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm

All correspondence should specify AI Number 3400, Permit Number LAD092681824-OP-RN-1, and Activity Number PER20050004.

Scheduled for publication: Friday, July 17, 2009

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/14/2009
Telephone: (225) 644-2069
Fax: (225) 644-6397
Email: graphics2@weeklycitizen.com

Ms. Aanifa LeBlanc
Legal Advertising
Gonzales Weekly Citizen - For Friday
P.O. Box 430
Gonzales, LA 70707-0430

RE: Request For Public Comments On a Public Hearing
OxyChem - Geismar Plant
AI3400, PER20050004, Permit Number LAD092681824-OP-RN-1
Geismar, Ascension Parish, Louisiana

Dear Ms. LeBlanc:

Please publish the attached legal notice regarding the above referenced facility as a regular legal ad in the Gonzales Weekly Citizen - For Friday once only on Friday, July 17, 2009. You will also receive a copy of the legal notice itself via email. Immediately after publication, please fax a copy of the ad to Ms. Heather Manry at (225) 325-8206.

State regulations require that we provide notification to the public and allow sufficient time for public comments. For this department to be assured that adequate notification is provided, we are requesting that you sign and date the enclosed 'Verification by Newspaper', and fax it to the attention of Ms. Heather Manry at (225) 325-8206 immediately upon publication. If the notice cannot be published on the date requested, please call me at (225) 219-3279 or email: heather.manry@la.gov

Charges for this service should be billed to:

Ms. Sharon Caughman
OxyChem - Geismar Plant
8318 Ashland Road
Geismar, LA 70734
Telephone: (225) 474-2695
Cell: (225) 205-3090
Email: Sharon_D._Caughman@oxy.com

The official proof of publication in the form of a tear sheet and invoice should be mailed to the attention of Ms. Heather Manry, LDEQ, Permits Support Services Division, P.O. Box 4313, Baton Rouge, LA 70821-4313. We appreciate your assistance in our efforts to serve the public.

Sincerely,

Heather Manry

Heather Manry
Environmental Project Specialist, Public Participation Group

HM
Attachments

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/14/2009
Telephone: (225) 388-1111
Fax: (225) 388-0164
Email: legal.ads@theadvocate.com

Ms. Susan Bush
Legal Advertising
Advocate
P.O. Box 588
Baton Rouge, LA 70821-0588

RE: Request For Public Comments On a Public Hearing
OxyChem - Geismar Plant
AI3400, PER20050004, Permit Number LAD092681824-OP-RN-1
Geismar, Ascension Parish, Louisiana

Dear Ms. Bush:

Please publish the attached legal notice regarding the above referenced facility as a regular legal ad in the Advocate once only on Friday, July 17, 2009. You will also receive a copy of the legal notice itself via email. Immediately after publication, please fax a copy of the ad to Ms. Heather Manry at (225) 325-8206.

State regulations require that we provide notification to the public and allow sufficient time for public comments. For this department to be assured that adequate notification is provided, we are requesting that you sign and date the enclosed 'Verification by Newspaper', and fax it to the attention of Ms. Heather Manry at (225) 325-8206 immediately upon publication. If the notice cannot be published on the date requested, please call me at (225) 219-3279 or email: heather.manry@la.gov

Charges for this service should be billed to:

Ms. Sharon Caughman
OxyChem - Geismar Plant
8318 Ashland Road
Geismar, LA 70734
Telephone: (225) 474-2695
Cell: (225) 205-3090
Email: Sharon_D._Caughman@oxy.com

The official proof of publication in the form of a tear sheet and invoice should be mailed to the attention of Ms. Heather Manry, LDEQ, Permits Support Services Division, P.O. Box 4313, Baton Rouge, LA 70821-4313. We appreciate your assistance in our efforts to serve the public.

Sincerely,

Heather Manry

Heather Manry
Environmental Project Specialist, Public Participation Group

HM
Attachments

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

July 14, 2009

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Telephone: (225) 929-6361
Cell: (225) 266-1052
Via Fax: (225) 922-7049

Mr. Aaron Sutton
Citadel Broadcasting, 103.3
650 Wooddale Boulevard
Baton Rouge, LA 70806

RE: Request For Public Comments On a Public Hearing
OxyChem - Geismar Plant
AI3400, PER20050004, Permit Number LAD092681824-OP-RN-1
Geismar, Ascension Parish, Louisiana

Dear Mr. Sutton:

Please broadcast the enclosed public announcement regarding the above referenced facility at the best possible time at the least cost once only on **Friday, July 17, 2009**.

Charges for this announcement should be billed to:

Ms. Sharon Caughman
OxyChem - Geismar Plant
8318 Ashland Road
Geismar, LA 70734
Telephone: (225) 474-2695
Cell: (225) 205-3090
Email: Sharon_D._Caughman@oxy.com

For this department to be assured that adequate notification is provided, we are requesting that you sign and date the enclosed 'Verification by Radio' form and fax it my attention at (225) 325-8157 as soon as the announcement has been made.

If there is any problem with broadcasting this announcement in its entirety, or if you have any questions, please call me immediately at (225) 219-3279.

Thank you for assisting in our effort to serve the public.

Sincerely,

Heather Manry

Heather Manry
Environmental Project Specialist
Public Participation Group

HM\
Attachment

LDEQ
RADIO ANNOUNCEMENT
DRAFT HAZARDOUS WASTE OPERATING RENEWAL PERMIT

The LDEQ, Office of Environmental Services, will conduct a public hearing to receive comments on the draft hazardous waste operating renewal permit for Occidental Chemical Corporation, 8318 Ashland Road, Geismar, Louisiana 70734 for the Container Storage Area, Storage Tanks, and Halogen Acid Production Furnace.

The hearing will be held on Tuesday, September 8, 2009, beginning at 6:00 p. m., at the Geismar Community Center, 12060 Highway 73, Geismar, LA 70734. During the hearing, all interested persons will have an opportunity to comment on the draft hazardous waste post-closure permit.

The public comment period will end on Thursday, September 10, 2009 at 12:30 p.m.

A copy of the draft hazardous waste post-closure permit is available for review at the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel LA 70776, the Ascension Parish Library, Gonzales Branch, 708 South Irma Boulevard, Gonzales LA 70737 and the Louisiana Department of Environmental Quality Public Records Center in Baton Rouge, LA.

The detailed public notice is scheduled for publication in the Gonzales Weekly Citizen and The Advocate on July 17, 2009.

For any inquiries contact LDEQ Customer Service Center at (225) 219-LDEQ, that is (225) 219-5337.

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

CERTIFIED MAIL (7005 0390 0006 1027 3409)

Ms. Sharon Caughman, Environmental Superintendent
Occidental Chemical Corporation
Post Office Box 227
Geismar, Louisiana 70734

RE: Occidental Chemical Corporation
AI#3400/LAD 092 681 824/ PER20050004/Permit # 092681824-OP-RN-1
Draft Hazardous Waste Operating Permit Renewal for
F-1 Halogen Acid Production Furnace, Storage Tanks, and Container Storage Area

Dear Ms. Caughman:

Enclosed is your copy of the Occidental Chemical Corporation Draft Hazardous Waste Operating Permit Renewal for the F-1 Halogen Acid Production Furnace, storage tanks, and container storage area, LAD 092 681 824-OP-RN-1, which incorporates language pertaining to treatment and storage operations at the Geismar facility.

A comment period of forty-five (45) days will be allowed in order for the public to review and comment on this draft hazardous waste operating permit renewal. A public hearing will also be scheduled at least forty-five (45) days after the date on which the public notice is given. The date, time and location of the public hearing and specific dates for the beginning and ending of the comment period are contained in the public notice.

Prior to taking a final action on the final operating permit, the Administrative Authority will consider all significant comments submitted on this action. Written comments must be submitted no later than 12:30 p.m. on the final day of the comment period. The issuance of the final permit decision will be in accordance with LAC 33:V.705.

Please reference Agency Interest Number (3400), Activity Number (PER20050004), EPA ID Number (LAD092681824), and Permit Number (092681824-OP-RN-1) on all correspondence pertaining to this matter. Any questions concerning this action should be directed to Ms. Nora Lane at (225) 219-0956.

Sincerely,

Thomas F. Harris
Administrator
Waste Permits Division

Enclosure

c: Elliot Vega – LDEQ OSECR-LSD

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/10/2009

Telephone: (225) 621-5709
Fax: (225) 621-5704

Mr. Tommy Martinez
President Ascension Parish
208 E. Railroad Ave
Gonzales, LA, LA 70737

RE: Request For Public Comments On a Public Hearing
OxyChem - Geismar Plant
AI3400, PER20050004, Permit Number LAD092681824-OP-RN-1
Geismar, Ascension Parish, Louisiana

Dear Mr. Martinez:

The Louisiana Department of Environmental Quality (LDEQ) is requesting public comments regarding permitting actions for the OxyChem - Geismar Plant, 8318 Ashland Rd , Geismar, LA.

For your reference, attached is a copy of the Public Hearing and the legal notice is scheduled to be published in/or announced on:

Advocate	*Friday, July 17, 2009*
Gonzales Weekly Citizen - For Friday	*Friday, July 17, 2009*

It is also posted on the LDEQ Website, found at www.deq.state.la.us. Written comments on the Public Hearing may be submitted to Ms. Soumaya Ghosn, LDEQ-OES, Permits Support Services Division, P.O. Box 4313, Baton Rouge, LA 70821-4313. All comments regarding the permit(s) should specify Agency Interest (AI) No. 3400

Should you have any questions, additional permit information may be obtained from Nora Lane, LDEQ, Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, telephone (225) 219-3181. Should you have any questions regarding the public notice, please contact Barbara Manry, LDEQ, Permit Support Services Division, Permit Support Section, at (225) 219-3280

Please complete the attached 'Verification of Receipt' and mail to Heather Manry, LDEQ-OES, Permit Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8206. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3279.

Sincerely,

Heather Manry

Heather Manry
Environmental Project Specialist, Public Participation Group

HM

Attachments/

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/10/2009

Telephone: (225) 219-3600
Fax: (225) 219-3695

Mr. Bobby Mayweather
Capital Regional Office Manager
P.O. Box 4312
Baton Rouge, LA 70821-4312

RE: Request For Public Comments On a Public Hearing
OxyChem - Geismar Plant
AI3400, PER20050004, Permit Number LAD092681824-OP-RN-1
Geismar, Ascension Parish, Louisiana

Dear Mr. Mayweather:

We have enclosed a copy of the Public Hearing and public notice for the referenced facility for your use and for the public review.

Please complete the attached 'Verification by Regional Office' and Fax to Heather Manry , at (225) 325-8206. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3279.

Sincerely,

Heather Manry
Environmental Project Specialist, Public Participation Group

HM

Attachments/

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/10/2009

Telephone: (214) 665-6750
Fax: (214) 665-6762

Mr. Kishor Fruitwala
EPA Region VI
1445 Ross Avenue
Dallas, TX 752022733

RE: Request For Public Comments On a Public Hearing
OxyChem - Geismar Plant
AI3400, PER20050004, Permit Number LAD092681824-OP-RN-1
Geismar, Ascension Parish, Louisiana

Dear Mr. Fruitwala:

The Louisiana Department of Environmental Quality (LDEQ) is enclosing for your review a copy of the permitting action for the above referenced facility.

The legal notice is scheduled to be published in/or announced on:

Advocate	*Friday, July 17, 2009*
Gonzales Weekly Citizen - For Friday	*Friday, July 17, 2009*

It is also posted on the LDEQ Website, found at www.deq.state.la.us. Written comments on this permit action may be submitted to Ms. Soumaya Ghosn, LDEQ-OES, Permit Support Services Division, P.O. Box 4313, Baton Rouge, LA 70821-4313. All comments regarding the permit(s) should specify Agency Interest (AI) No. 3400

Should you have any questions, additional permit information may be obtained from Nora Lane, LDEQ, Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, telephone (225) 219-3181. Should you have any questions regarding the public notice, please contact me at, (225) 219-3279

Please complete the attached 'Verification of Receipt' and mail to Heather Manry , LDEQ-OES, Permit Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8206. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3279.

Sincerely,

Heather Manry

Heather Manry
Environmental Project Specialist, Public Participation Group

HM

Attachments/

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/10/2009

Telephone: 225-642-8380

Ms. Lydia Haydel
Branch Manager
Iberville Parish Library - East Iberville
5715 Monticello St
St Gabriel, LA 70776

RE: Request For Public Comments On a Public Hearing
OxyChem - Geismar Plant
AI3400, PER20050004, Permit Number LAD092681824-OP-RN-1
Geismar, Ascension Parish, Louisiana

Dear Ms. Haydel:

We request that the enclosed documents for the permitting action for referenced company/facility be made available for public review upon receipt in the Iberville Parish Library - East Iberville. It is imperative that these documents are available for review at all times; therefore, they cannot be checked out by anyone at any time.

The documents should be retained during the permitting process. At the close of the permitting period, the Louisiana Department of Environmental Quality, Office of Environmental Services (LDEQ-OES), Haz Waste Permits Division will provide written notice to you requesting that the information be removed.

Please complete the attached 'Verification by Library' and mail to Heather Manry , LDEQ-OES, Permit Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8206. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3279.

Sincerely,

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BOBBY JINDAL
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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/10/2009

Telephone: 225-647-8924
Fax: 225-644-0063

Ms. Chriselle L. Henry
Branch Librarian
Ascension Parish Library - Gonzales-Business Office
708 S Irma Blvd
Gonzales, LA 70737

RE: Request For Public Comments On a Public Hearing
OxyChem - Geismar Plant
AI3400, PER20050004, Permit Number LAD092681824-OP-RN-1
Geismar, Ascension Parish, Louisiana

Dear Ms Henry:

We request that the enclosed documents for the permitting action for referenced company/facility be made available for public review upon receipt in the Ascension Parish Library - Gonzales-Business Office. It is imperative that these documents are available for review at all times; therefore, they cannot be checked out by anyone at any time.

The documents should be retained during the permitting process. At the close of the permitting period, the Louisiana Department of Environmental Quality, Office of Environmental Services (LDEQ-OES), Haz Waste Permits Division will provide written notice to you requesting that the information be removed.

Please complete the attached 'Verification by Library' and mail to Heather Manry , LDEQ-OES, Permit Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8206. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3279.

Sincerely,

Heather Manry

Heather Manry
Environmental Project Specialist, Public Participation Group

HM

Attachments/

PART A
APPLICATION

SEND COMPLETED FORM TO: The Appropriate State or EPA Regional Office.	United States Environmental Protection Agency **RCRA SUBTITLE C SITE IDENTIFICATION FORM**

1. Reason for Submittal (See Instructions on page 13.) MARK ALL BOX(ES) THAT APPLY	**Reason for Submittal:** ☐ To provide Initial Notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities) ☐ To provide Subsequent Notification of Regulated Waste Activity (to update site identification information) ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application ☑ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #____) ☐ As a component of the Hazardous Waste Report
2. Site EPA ID Number (page 14)	**EPA ID Number** | L | A | D | 0 | 9 | 2 | 6 | 8 | 1 | 8 | 2 | 4 |
3. Site Name (page 14)	**Name:** Occidental Chemical Corporation
4. Site Location Information (page 14)	**Street Address:** 8318 Ashland Road **City, Town, or Village:** Geismar — **State:** LA **County Name:** Ascension — **Zip Code:** 70734
5. Site Land Type (page 14)	**Site Land Type:** ☑ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other
6. North American Industry Classification System (NAICS) Code(s) for the Site (page 14)	A. | 3 | 2 | 5 | 1 | 8 | 1 | B. | 3 | 2 | 5 | 1 | 9 | 9 | C. |_|_|_|_|_|_| D. |_|_|_|_|_|_|
7. Site Mailing Address (page 15)	**Street or P. O. Box:** P. O. Box 227 **City, Town, or Village:** Geismar **State:** LA **Country:** United States — **Zip Code:** 70734
8. Site Contact Person (page 15)	**First Name:** Damien — **MI:** T — **Last Name:** Watt **Phone Number:** 2254742618 — **Extension:** — **Email address:** Damien_watt@oxy.com
9. Operator and Legal Owner of the Site (pages 15 and 16)	**A. Name of Site's Operator:** Occidental Chemical Corporation — **Date Became Operator (mm/dd/yyyy):** 01/01/2007 **Operator Type:** ☑ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other **B. Name of Site's Legal Owner:** Occidental Chemical Corporation — **Date Became Owner (mm/dd/yyyy):** 06/07/2005 **Owner Type:** ☑ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

9. Legal Owner (Continued) Address	Street or P. O. Box: P. O. Box 227	
	City, Town, or Village: Geismar	
	State: LA	
	Country: United States	Zip Code: 70734

10. Type of Regulated Waste Activity
Mark "Yes" or "No" for all activities; complete any additional boxes as instructed. (See Instructions on pages 17 to 20.)

A. Hazardous Waste Activities
Complete all parts for 1 through 6.

Y☑ N☐ **1. Generator of Hazardous Waste**
If "Yes", choose only one of the following - a, b, or c.

☑ a. LQG: Greater than 1,000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or

☐ b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or

☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste

In addition, indicate other generator activities.

Y☐ N☑ d. United States Importer of Hazardous Waste

Y☐ N☑ e. Mixed Waste (hazardous and radioactive) Generator

Y☐ N☑ **2. Transporter of Hazardous Waste**

Y☑ N☐ **3. Treater, Storer, or Disposer of Hazardous Waste (at your site)** Note: A hazardous waste permit is required for this activity.

Y☐ N☑ **4. Recycler of Hazardous Waste (at your site)**

Y☐ N☑ **5. Exempt Boiler and/or Industrial Furnace**
If "Yes", mark each that applies.
☐ a. Small Quantity On-site Burner Exemption
☐ b. Smelting, Melting, and Refining

Y☐ N☑ **6. Underground Injection Control**

B. Universal Waste Activities

Y☐ N☑ **1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal mark all boxes that apply:**

	Manage
a. Batteries	☐
b. Pesticides	☐
c. Mercury containing equipment	☐
d. Lamps	☐
e. Other (specify) _____	☐
f. Other (specify) _____	☐
g. Other (specify) _____	☐

Y☐ N☑ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities
Mark all boxes that apply.

Y☐ N☑ **1. Used Oil Transporter**
If "Yes", mark each that applies.
☐ a. Transporter
☐ b. Transfer Facility

Y☐ N☑ **2. Used Oil Processor and/or Re-refiner**
If "Yes", mark each that applies.
☐ a. Processor
☐ b. Re-refiner

Y☐ N☑ **3. Off-Specification Used Oil Burner**

Y☐ N☑ **4. Used Oil Fuel Marketer**
If "Yes", mark each that applies.
☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

11. Description of Hazardous Wastes (See instructions on page 21.)

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001	D002	D003	D007	D008	D019	D022
D028	D029	D032	D033	D034	D039	D040
D043	F002	F003	F005	F024	F025	F039

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.

12. Comments (See instructions on page 21.)

Section 11, Box A, K016, K019, K096, P102, U044, U045, U077, U080, U184, U210, U211, U226

13. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
For the RCRA Hazardous Waste Part A Permit Application, all operator(s) and owner(s) must sign (see 40 CFR 270.10 (b) and 270.11). **(See instructions on page 21.)**

Signature of operator, owner, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	Wade L Alleman, Plant Manager	02/29/2008

EPA ID NO: | L | A | D | 0 | 9 | 2 | 6 | 8 | 1 | 8 | 2 | 4 |

OMB #: 2050-0034 Expires 11/30/2005

United States Environmental Protection Agency

HAZARDOUS WASTE PERMIT INFORMATION FORM

1. Facility Permit Contact (See Instructions on page 23)	First Name: Damien	MI: T	Last Name: Watt
	Phone Number: 225-474-2618		Phone Number Extension:
2. Facility Permit Contact Mailing Address (See Instructions on page 23)	Street or P.O. Box: P. O. Box 227		
	City, Town, or Village: Geismar		
	State: LA		
	Country: United States		Zip Code: 70734
3. Operator Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: P. O. Box 227		
	City, Town, or Village: Geismar		
	State: LA		
	Country: United States	Zip Code: 70734	Phone Number 225-474-2618
4. Legal Owner Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: P, O. Box 227		
	City, Town, or Village: Geismar		
	State: LA		
	Country: United States	Zip Code: 70734	Phone Number 225-474-2618
5. Facility Existence Date (See Instructions on page 24)	Facility Existence Date (mm/dd/yyyy): Fall 1968		

6. Other Environmental Permits (See instructions on page 24)

A. Permit Type (Enter code)	B. Permit Number	C. Description
R	LAD092681824	RCRA Permit (F-1,storage tanks & container storag
E	LAD000293 3	LPDES (outfalls 001,002, 101)
E	LAD092681824	TSCA
E	2924V0	Title V Chlorinated Organic Unit Including F-2
	2921V0	Title V Caustic & chlorine units

7. Nature of Business (Provide a brief description; see instructions on page 24)

Organic and inorganic chemicals manufacturing facility

Continuation of Item 6. Other Environmental Permits (from page 1)

E	29220V0	Title V	F-1
E	2923 V1	Title V	Off-sites

Process Codes and Design Capacities (See instructions on page 24) - Enter information in the Sections on Form Page 3.

A. PROCESS CODE - *Enter the code from the list of process codes in the table below that best describes each process to be used at the facility. Fifteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), enter the process information in Item 9 (including a description).*

B. PROCESS DESIGN CAPACITY- *For each code entered in Section A, enter the capacity of the process.*

1. AMOUNT - *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.*
2. UNIT OF MEASURE - *For each amount entered in Section B(1), enter the code in Section B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.*

C. PROCESS TOTAL NUMBER OF UNITS - *Enter the total number of units for each corresponding process code.*

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Disposal:	
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards
D81	Land Treatment	Acres or Hectares
D82	Ocean Disposal	Gallons Per Day or Liters Per Day
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards
D99	Other Disposal	Any Unit of Measure in Code Table Below
	Storage:	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S03	Waste Pile	Cubic Yards or Cubic Meters
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards
S06	Containment Building Storage	Cubic Yards or Cubic Meters
S99	Other Storage	Any Unit of Measure in Code Table Below
	Treatment:	
T01	Tank Treatment	Gallons Per Day; Liters Per Day
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Treatment (continued):	
T81	Cement Kiln	For T81-T93:
T82	Lime Kiln	
T83	Aggregate Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, or Refining Furnace	
T88	Titanium Dioxide Chloride Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
T92	Halogen Acid Furnaces	
T93	Other Industrial Furnaces Listed In 40 CFR §260.10	
T94	Containment Building - Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
	Miscellaneous (Subpart X):	
X01	Open Burning/Open Detonation	Any Unit of Measure in Code Table Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; or Million Btu Per Hour
X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V

UNIT OF MEASURE	UNIT OF MEASURE CODE
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	R
Million Btu Per Hour	X

UNIT OF MEASURE	UNIT OF MEASURE CODE
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
Btu Per Hour	I

8. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 8 (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	(2) Unit of Measure (Enter code)	C. Process Total Number of Units	For Official Use Only
X	1	S	0	2	5 3 3 . 7 8 8	G	0 0 1	
	1	S	0	1	84,016	G	0 0 1	
	2	S	0	2	15,120	G	0 0 3	
	3	T	9	2	15	X	0 0 1	
	4							
	5							
	6							
	7							
	8							
	9							
1	0							
1	1							
1	2							
1	3							
1	4							
1	5							

NOTE: If you need to list more than 15 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in Item 9.

9. Other Processes (*See instructions on page 25 and follow instructions from Item 8 for D99, S99, T04 and X99 process codes*)

Line Number (Enter #s in sequence with Item 8)		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	(2) Unit of Measure (Enter code)	C. Process Total Number of Units	D. Description of Process
X	2	T	0	4	1 0 0 . 0 0 0	U	0 0 1	In-situ Vitrification

10. Description of Hazardous Wastes (See Instructions on page 25) - Enter Information in the Sections on Form Page 5.

A. EPA HAZARDOUS WASTE NUMBER - *Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.*

B. ESTIMATED ANNUAL QUANTITY - *For each listed waste entered in Section A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Section A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.*

C. UNIT OF MEASURE - *For each quantity entered in Section B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:*

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in Section A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the listed hazardous wastes.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in Section A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. *Enter the first two as described above.*
2. *Enter "000" in the extreme right box of Item 10.D(1).*
3. *Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 10.E.*

2. PROCESS DESCRIPTION: *If a code is not listed for a process that will be used, describe the process in Item 10.D(2) or in Item 10.E(2).*

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. *Select one of the EPA Hazardous Waste Numbers and enter it in Section A. On the same line complete Sections B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.*
2. *In Section A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Section D(2) on that line enter "included with above" and make no other entries on that line.*
3. *Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.*

EXAMPLE FOR COMPLETING Item 10 (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number		A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION- (If a code is not entered in D(1))
X	1	K	0	5	4	900	P	T	0	3	D	8	0				
X	2	D	0	0	2	400	P	T	0	3	D	8	0				
X	3	D	0	0	1	100	P	T	0	3	D	8	0				
	4	D	0	0	2												Included With Above

EPA ID NO: L A D 0 9 2 6 8 1 8 2 4

OMB #: 2050-0034 Expires 11/30/2005

10. Description of Hazardous Wastes (Continued. Use the Additional Sheet(s) as necessary; number pages as 5 a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D001	4,000,000	P	T	9	2							Onsite treatment
2	D002												Included with above
3	D014												"
4	D022												"
5	D039												"
6	F024												
7	K016												"
8	K019												"
9	K096												"
10	U044												"
11	U045												"
12	U077												"
13	U080												"
14	U184												"
15	U210												"
16	U211												"
17	U226												"
18	F025												"
19	F039												"
20													
21													
22													
23													
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35													
36													
37													
38													
39													

EPA ID NO: L A D 0 9 2 6 8 1 8 2 4

OMB #: 2050-0034 Expires 11/30/2005

10. Description of Hazardous Wastes (Continued. Use the Additional Sheet(s) as necessary; number pages as 5 a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D001	10,000	P	T03									Offsite Incinerator
2	D002												Included with above
3	D007												"
4	D019												"
5	D022												"
6	D028												"
7	D032												"
8	D033												"
9	D034												"
10	D039												"
11	D040												"
12	D043												"
13	F002												"
14	F003												"
15	F005												"
16	F024												"
17	F025												"
18	F039												"
19	K016												"
20	K019												"
21	K096												"
22	U044												"
23	U045												"
24	U077												"
25	U080												"
26	U184												"
27	U210												"
28	U211												"
29	U226												"
30	P102												Offsite: Aerosol Cans
31	D001	200	P	T03	D80								
32	D003												
33													
34													
35													
36													
37													
38													
39													

EPA ID NO: L A D 0 9 2 6 8 1 8 2 4

OMB #: 2050-0034 Expires 11/30/2005

10. Description of Hazardous Wastes (Continued. Use the Additional Sheet(s) as necessary; number pages as 5 a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D 0 1 9	200	P	T	0	4	D	8	0				Off-site solidification,
2	D 0 2 2												landfill
3	D 0 2 8												Included with above
4	D 0 2 9												"
5	D 0 3 2												"
6	D 0 3 3												"
7	D 0 3 4												"
8	D 0 3 9												"
9	D 0 4 0												"
10	D 0 4 3												"
11	F 0 3 9												"
12	K 0 1 6												"
13	K 0 1 9												"
14													
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11. Map (See instructions on pages 25 and 26)

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

12. Facility Drawing (See instructions on page 26)

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

13. Photographs (See instructions on page 26)

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

14. Comments (See instructions on page 26)

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Attachment: List of Facility Documents Incorporated in the Permit by Reference

BODY
OF
PERMIT

DRAFT
HAZARDOUS WASTE OPERATING RENEWAL PERMIT

Occidental Chemical Corporation
EPA ID# LAD 092 681 824
Agency Interest# 3400

Ascension Parish
Geismar, Louisiana
PER20050004
Permit Number LAD 092 681 824 -OP-RN-1

I. PERMIT PREAMBLE

This permit is issued to Occidental Chemical Corporation, hereinafter referred to as the Permittee, by the Louisiana Department of Environmental Quality (LDEQ) under authority of the Louisiana Hazardous Waste Control Law, La. R.S. 30:2171 et seq., and the regulations adopted thereunder.

For the purposes of the permit, "Administrative Authority" shall mean the Secretary of the Department of Environmental Quality, or his/her designee.

This permit is based on information submitted in the permit application, and all subsequent amendments, and on the Permittee's certification that such information is accurate and that all facilities were or will be maintained and operated as specified in the application.

This permit is conditioned upon full compliance with all applicable provisions of the Louisiana Hazardous Waste Control Law, La. R.S. 30:2171 et. seq., and the regulations adopted thereunder.

All definitions contained in this permit shall have the meaning as defined in the Louisiana Administrative Code (LAC), Title 33, Part V, Subpart 1 unless otherwise stated herein.

All regulating citations are defined as being the regulation in effect on the date of the issuance of this permit. New and/or amended regulations are not included as permit requirements until permit modification procedures as specified in Condition II.C of this permit are completed.

GLOSSARY OF TERMS

For the purpose of this Permit, terms used herein shall have the same meaning as those in LAC 33:V.Subpart 1, unless the context of use in this Permit clearly indicates otherwise. Where terms are not otherwise defined, the meaning otherwise associated with such terms shall be as defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.

"Administrative Authority" means the Secretary of the Department of Environmental Quality or his designee or the appropriate assistant secretary or his designee.

"Application" refers to the RCRA Part B Permit Application and subsequent amendments submitted by the Permittee for obtaining a Permit.

"CWA" means Clean Water Act, 33 USC 1251 et seq.

"Corrective Action" is an activity conducted to protect human health and the environment.

"Department" means the Louisiana Department of Environmental Quality.

"EPA" means the United States Environmental Protection Agency.

"ESP" means electrostatic precipitator.

"HSWA" means the 1984 Hazardous and Solid Waste Amendments to RCRA.

"Hazardous Waste Constituent" means a constituent that caused the Administrator to list the hazardous waste in part 40 CFR 261, subpart D or a constituent listed in table 1 of 40 CFR 261.24.

"LDEQ" means the Louisiana Department of Environmental Quality.

"Newly-discovered Release" any release(s) of hazardous waste, including hazardous waste constituents, in which there is a statistically significant increase over the background data for the media of concern, during the course of groundwater monitoring, field investigation, environmental auditing, or by other means.

"Operating Record" means written or electronic records of all maintenance, monitoring, inspection, calibration, or performance testing—or other data as may be required—to demonstrate compliance with this Permit, document noncompliance with this Permit, or document actions taken to remedy noncompliance with this Permit. The minimum list of documents that must be included in the operating record is identified at LAC 33:V.1529.B.

"Permittee" means Occdiental Chemical Corporation, 8318 Ashland Road, Geismar, Ascension Parish, Louisiana.

"RCRA Permit" means the full permit, with RCRA and HSWA portions.

"RFA" means RCRA Facility Assessment.

"RFI" means RCRA Facility Investigation.

"Release" means any spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, dumping or disposing of hazardous wastes (including hazardous constituents) into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous wastes or hazardous constituents).

"SARA" means Superfund Amendments and Reauthorization Action of 1986.

"Solid Waste Management Unit" (SWMU) means any discernable unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at a facility at which solid wastes have been routinely and systematically released.

"Stabilization" is an action taken for the purpose of controlling or abating threats to human health or the environment from releases or preventing or minimizing the further spread of contaminants while long-term remedies are pursued.

If, subsequent to the issuance of this Permit, regulations are promulgated which redefine any of the above terms, the Administrative Authority may, at its discretion, apply the new definition to the permit.

II. GENERAL PERMIT CONDITIONS

II.A. DURATION OF PERMIT

This permit is effective as of the date indicated on the accompanying signature page and shall remain in effect for a maximum period of ten (10) years from the effective date, unless suspended, modified, revoked and reissued or terminated for just cause.

II.B. EFFECT OF PERMIT

This permit authorizes the Permittee to store and treat hazardous waste, in accordance with the conditions of this permit. The Permittee is prohibited from any storage, treatment or disposal of hazardous waste not authorized by statute, regulation or this permit. Compliance with this permit during its term constitutes compliance for purposes of enforcement, with LAC 33:V.Subpart 1, except for those requirements not included in the permit under LAC 33:V.307.A.1-4, and HSWA, constitutes compliance, for purposes of enforcement, with Subtitle C of RCRA and Chapter 9 of the Louisiana Environmental Quality Act (Act). However, compliance with the terms of this permit does not constitute a defense to any order issued or any action brought under Condition 3013 or Condition 7003 of RCRA, or under Condition 106 (a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) {42 U.S.C. 9606 (a)}.

In accordance with LAC 33:V.307.B and C, issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations.

II.C. PERMIT ACTIONS

Any inaccuracies found in the permit application may be cause for revocation or modification of this permit. The Permittee must inform the Administrative Authority of any deviation from, changes or inaccuracies in the information in the permit application.

The Administrative Authority may also suspend, modify, revoke and reissue, or terminate for cause when necessary to be protective of human health or the environment as specified in 40 CFR 270.41, 270.42, 270.43 or LAC 33:V.309.F, 311.A or 323. The Administrative Authority may reopen and modify the permit when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued. The filing of a request for permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of Permittee does not stay the applicability or enforceability of any permit condition.

II.D. SEVERABILITY

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

II.E. DUTIES AND REQUIREMENTS

II.E.1. Duty to Comply

The Permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance may be authorized by an emergency permit, as described in LAC 33:V.701. Any permit noncompliance, other than noncompliance authorized by an emergency permit, constitutes a violation of the LAC 33:V.Subpart 1 and the Act and is grounds for enforcement action which may include permit termination, permit revocation and reissuance, permit modification, or denial of permit renewal application.

II.E.2. Duty to Reapply

If the Permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must reapply for the permit as required by the LAC 33:V.303.N and 309.B. Notification shall be at least 180 calendar days before the permit expires.

II.E.3. Permit Extension

This permit and all conditions herein will remain in effect beyond the permit's expiration date until the Administrative Authority issues a final decision on the re-application, provided the Permittee has submitted a timely, complete new permit application as provided in LAC 33:V.309.B and 315.A.

II.E.4. Need to Halt or Reduce Activity Not a Defense

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

II.E.5. Duty to Mitigate

The Permittee shall immediately take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit as required by LAC 33:V.309.D.

II.E.6. Proper Operation and Maintenance

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

II.E.7. Duty to Provide Information

The Permittee shall furnish to the Administrative Authority, within a reasonable time, any information which the Administrative Authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Administrative Authority upon request, copies of records required by this permit and in accordance with LAC 33:V.309.H.

II.E.8. Inspection and Entry

The Permittee shall allow the Administrative Authority or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

II.E.8.a. enter upon the Permittee's premises where a regulated activity is located or conducted, or where records must be maintained under the conditions of this permit;

II.E.8.b. have access to and copy, at reasonable times, any records that must be maintained under the conditions of this permit;

II.E.8.c. inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operation regulated or required under this permit; and

II.E.8.d. sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Administrative Authority any substances or parameters at any location.

II.E.9. Sample Monitoring and Records

II.E.9.a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from LAC 33:V.4999, Appendix D. Laboratory methods must be those specified in Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, "SW-846", latest revision; Manual of Ground Water Quality Sampling Procedures, 1981, EPA-600/2-81-160, as revised; Procedures Manual for Ground Water Monitoring at Solid Waste Disposal Facilities, 1977, EPA-530/SW-611, as revised; or an equivalent method as specified in the attached Waste Analysis Plan referenced in Attachment 1.

II.E.9.b. Records of monitoring information shall include:

II.E.9.b.(1). the date, sampling location, and time of sampling or measurements, in accordance with LAC 33:V.309.J.3;

II.E.9.b.(2). the name(s) and signature(s) of the individual(s) who performed the sampling or measurements:

II.E.9.b.(3). the date(s) analyses were performed;

II.E.9.b.(4). the name(s) and signature(s) of the individual(s) who performed the analyses (initials may be used to indicate individuals who perform sampling and maintenance, however, the record must clearly indicate the signature(s) associated with each initial);

II.E.9.b.(5). the analytical techniques or methods used;

II.E.9.b.(6). the results of such analyses; and

II.E.9.b.(7). associated quality assurance performance data.

II.E.9.c. Laboratory Quality Assurance/Quality Control

In order to ensure the accuracy, precision, and reliability of data generated for use, the Permittee shall submit a statement, certified as specified in LAC 33:V.513 and included in the annual report, indicating that:

II.E.9.c.(1). any commercial laboratory providing analytical results and test data to the Department required by this permit is accredited by the Louisiana Environmental Laboratory Accreditation Program (LELAP) in accordance with LAC 33:I.

Subpart 3, Chapter 45. Laboratory data generated by commercial laboratories not accredited under LELAP will not be accepted by the Department.

LAC 33:I.Subpart 3 (Chapters 45-49) provides requirements for the accreditation program. Regulations and a list of labs that have applied for accreditation are available on the LDEQ website located at: http://www.deq.louisiana.gov/portal/tabid/2412/Default.aspx.

In accordance with LAC 33:V.4501, the requirements for LELAP accreditation applies whenever data is:

- submitted on behalf of a facility;
- required as part of a permit application;
- required by order of the Department;
- required to be included in a monitoring report submitted to the Department;
- required to be submitted by contract; or
- otherwise required by Department regulations.

This includes, but is not limited to, data from RCRA Trial Burns, Risks Burns, Risk Assessments, MACT Comprehensive Performance Tests, and data used for continuing compliance demonstrations.

II.E.9.c.(2). If the Permittee decides to use its own in-house laboratory for test and analysis, the laboratory is not required to be accredited by LELAP. However, the laboratory must document all quality assurance/quality control procedures used to generate data for the LDEQ.

II.E.9.c.(3). For approval of equivalent testing or analytical methods, the Permittee may petition for a regulatory amendment under LAC 33:V.105.I and LAC 33:I.Chapter 9. In cases where an approved methodology for a parameter/analyte is not available or listed, a request to utilize an alternate method shall be submitted to the Administrative Authority for approval. Documentation must be submitted to the LDEQ that will verify that the results obtained from the alternate method are equal to or better than those obtained from EPA-accepted methods, as well as those deemed equivalent by the LDEQ.

II.E.10. Retention of Records

The Permittee shall maintain records through the active life of the facility as required by LAC 33:V.309.J and LAC 33:V.1529.A, B, and C. All records, including plans, must be furnished upon request and made available at all reasonable times as required by LAC 33:V.1529.C. File copies shall be kept for LDEQ Inspection for a period of not less than three years as required by LAC 33:V.317.B.

The Permittee shall, for the life of the permit, maintain records of all data used to complete the application for this permit and any supplemental information submitted under the Louisiana Hazardous Waste Control Law (LA. R.S. 30:2171 et seq.).

II.E.11. Notices of Planned Physical Facility Changes

The Permittee shall give notice to the Administrative Authority, as soon as possible, of any planned physical alterations or additions to the permitted facility, in accordance with LAC 33:V.309.L.1.

II.E.12. Physical Facility after Modification

For any new or existing unit being modified, the Permittee may not manage hazardous waste in the modified portion of the unit until the unit is complete and:

> **II.E.12.a.** the Permittee has submitted to and received approval from the Administrative Authority, by certified mail or hand delivery, a letter signed by the Permittee and an independent registered professional engineer stating that the unit is complete and has been constructed or modified in compliance with the permit; and
>
> **II.E.12.b.** the Administrative Authority has inspected the modified unit following a request to make final inspection by the Permittee and finds it is in compliance with the conditions of the permit and all applicable sections of LAC 33:V.Subpart 1, and has issued an Order to Proceed. The Permittee may then commence treatment, storage, or disposal of hazardous waste.

II.E.13. Anticipated Noncompliance

The Permittee shall give advance notice to the Administrative Authority of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

II.E.14. Transfer of Permits

This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to LAC 33:V.309.L.4, 321.B, 321.C.4, and 1531.D and E, as applicable.

II.E.15. Schedule of Compliance

II.E.15.a. Within sixty (60) days of the effective date of this Permit, the Permittee shall submit a revised Inspection Plan for review, approval and, if warranted, appropriate Permit modification, to the Administrative Authority. Existing Plan remains in effect until approval. The revised Inspection Plan must include the following:

- biennial ultrasonic thickness testing for Tank D-163, and
- internal combustion chamber inspections on every planned entry into the F-1 Halogen Acid Production Furnace.

II.E.15.b. Within sixty (60) days of the effective date of this Permit, the Permittee shall submit a revised Closure Plan for review, approval and, if warranted, appropriate Permit modification, to the Administrative Authority. Existing Plan remains in effect until approval. Attachment 4 of the revised Closure Plan must include the following:

- pentachloroethane listed as a constituent of concern, and
- appropriate rinse water and soil sample clean closure standards for pentachloroethane.

II.E.15.c. Within sixty (60) days of the effective date of this Permit, the Permittee shall submit for review, approval and, if warranted, appropriate permit modification, to the Administrative Authority a schedule for installing built-in continuous leak detection systems for double-walled Tanks D-40 and D-2009 in accordance with LAC 33:V.1907.E.3.c. The schedule must include the following:

- an engineering description of the proposed built-in continuous leak detection systems for Tanks D-40 and D-2009; and

- a timeline for installing the proposed built-in continuous leak detection systems for Tanks D-40 and D-2009.

II.E.16. Emergency Unauthorized Discharge Notification

In accordance with LAC 33:I.3915, in the event of an unauthorized discharge of hazardous waste or hazardous waste constituents that results in an emergency condition (an emergency condition is any condition which could be reasonably expected to endanger the health and safety of the public, cause significant adverse impact to the land, water, or air environment, or cause severe damage to property), the Permittee shall notify the DPS (Department of Public Safety) 24-hour Louisiana Emergency Hazardous Materials Hotline by telephone at (225) 925-6595 or 1-877 925-6595 immediately, but in no case later than one (1) hour after learning of the discharge. The DPS 24-hour Louisiana Emergency Hazardous Materials Hotline will subsequently notify the Department regarding the details of the discharge.

II.E.17. Non-Emergency Unauthorized Discharge Notification

In accordance with LAC 33:I.3917, in the event of an unauthorized discharge of hazardous waste or hazardous waste constituents that exceeds a reportable quantity specified in LAC 33:I.Chapter 39.Subchapter E and/or results in contamination of the groundwaters of the state but does not result in an emergency condition, the Permittee shall promptly notify the Department within twenty-four (24) hours after learning of the discharge. Notification shall be made to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC) in accordance with the procedure and content requirements specified in LAC 33:I.3923.

II.E.18. Unauthorized Discharge to Groundwater Notification

In accordance with LAC 33:I.3919, in the event of an unauthorized discharge of hazardous waste or hazardous waste constituents resulting in contamination of groundwaters of the state by moving in, into, within or on any saturated subsurface strata, the Permittee shall notify the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC within seven (7) days after learning of the discharge.

II.E.19. Written Notification Reports for Unauthorized Discharges

The Permittee shall submit written reports to the SPOC for any unauthorized discharges of hazardous waste or hazardous waste constituents requiring notification under Conditions II.E.16, II.E.17 and II.E.18 of this permit, to the SPOC within seven (7) calendar days after notification required by Conditions II.16 through II.18, in accordance with LAC 33:I.3925.

II.E.20. Noncompliance Reporting

The Permittee shall report orally within twenty-four (24) hours any noncompliance with the permit not reported under Condition II.E.16, II.E.17, and II.E.18 that may endanger the human health or the environment in accordance with LAC 33:V.309.L.7. This report shall include at minimum the following information:

II.E.20.a. information concerning the release of any hazardous waste that may endanger public drinking water supplies; and

II.E.20.b. information concerning the release or discharge of any hazardous waste, or of a fire or explosion at the facility, that could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include:

II.E.20.b.(1). name, address, and telephone number of the owner or operator;

II.E.20.b.(2). name, address, and telephone number of the facility;

II.E.20.b.(3). date, time, and type of incident;

II.E.20.b.(4). name and quantity of materials involved;

II.E.20.b.(5). the extent of injuries, if any;

II.E.20.b.(6). an assessment of actual or potential hazard to the environment and human health outside the facility, where this is applicable; and

II.E.20.b.(7). estimated quantity and disposition of recovered material that resulted from the incident.

II.E.21. Follow-up Written Report of Noncompliance

The Permittee shall provide a written submission within five (5) days after the time the Permittee becomes aware of any noncompliance which may endanger human health or the environment and reported under Condition II.E.20. The written submission shall contain a description of the noncompliance and its cause; the periods of noncompliance (including exact dates and times); whether the noncompliance has been corrected; and if not, the anticipated time it is expected

to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. If the Administrative Authority waives the requirement, then the Permittee must submit a written report within fifteen (15) days after the time the Permittee becomes aware of the circumstances, as required by LAC 33:V.309.L.7.d.

II.E.22. Other Noncompliance

The Permittee shall report all instances of noncompliance not reported under Conditions II.E.11, II.E.13, II.E.15, and II.E.20, at the time required monitoring reports are submitted. The reports shall contain the information listed in Conditions II.E.11 and II.E.20.

II.E.23. Other Information

Whenever the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or that it submitted incorrect information in a permit application, or in any report to the Administrative Authority, the Permittee shall promptly submit such facts or information.

II.E.24. Signatory Requirement

All applications, reports or other information submitted to the Administrative Authority shall be signed and certified according to LAC 33:V.507, 509, 511, and 513.

II.E.25. Additional Operating Standards

(RESERVED)

II.E.26. Updated Documents To Be Submitted Prior To Operation

(RESERVED)

II.E.27. Documents To Be Maintained at Facility Site

II.E.27.a. The Permittee shall maintain at the facility, until closure is completed and certified by an independent registered professional engineer, the following documents and any amendments, revisions, and modifications to these documents. Any revision or changes shall be submitted with the annual report unless previously submitted.

II.E.27.a.(1). Waste Analysis Plan submitted in accordance with LAC 33:V.1519 and approved by the Administrative Authority (see Attachment 1).

II.E.27.a.(2). Personnel Training Plan and the training records as required by LAC 33:V.1515 (see Attachment 1).

II.E.27.a.(3). Contingency Plan submitted in accordance with LAC 33:V.1513 and approved by the Administrative Authority (see Attachment 1).

II.E.27.a.(4). Arrangements with local authorities in accordance with LAC 33:V.1511.G.

II.E.27.a.(5). Closure Plans submitted in accordance with LAC 33:V.3511 and approved by the Administrative Authority, as well as any post-closure care requirements that may be required initially or through permit modifications in accordance with LAC 33:V.3523 (see Attachment 1).

II.E.27.a.(6). Cost estimate for facility closure care submitted in accordance with LAC 33:V.3705 and approved by the Administrative Authority, as well as any post-closure cost estimate that may be required initially or through permit modifications in accordance with LAC 33:V.3709 (see Attachment 1).

II.E.27.a.(7). Operating records and Operations Plans referenced as required by LAC 33:V.1529, 1911.D, and 3007.K.

II.E.27.a.(8). Inspection Plan developed in accordance with LAC 33:V.517.G and 1509.B and approved by the Administrative Authority (see Attachment 1).

II.E.27.a.(9). Security Plan developed in accordance with LAC 33:V.1507 (see Attachment 1).

II.E.27.b. All proposed amendments, revisions and modifications to any plan or cost estimates required by this permit shall be submitted to the Administrative Authority for approval.

II.E.28. Annual Report

The Permittee shall submit an annual report covering all hazardous waste units and activities during the previous calendar year as required by LAC 33:V.1529.D.

II.E.29. Manifest

The Permittee shall report manifest discrepancies and un-manifested waste as required by LAC 33:V.309.L.8 and 9 and LAC 33:V.1111.

II.E.30. Emissions

Emissions from any hazardous waste facility shall not violate the Louisiana Air Quality Regulations. If air quality standards are exceeded, the site will follow air regulation protocol.

II.E.31. Water Discharges

Water discharges from any hazardous waste facility shall not violate the Louisiana Water Quality Regulations. If water standards are exceeded, the site will follow water quality regulation protocol.

II.E.32. Non-Listed Hazardous Waste Facilities

This permit is issued for those hazardous waste facilities listed in Condition IV (Permitted Facilities). If the Permittee determines that an un-permitted hazardous waste facility exists, the Permittee must immediately notify the Administrative Authority in accordance with Condition II.E.22 of the General Permit Conditions.

II.E.33. Compliance With Land Disposal Restrictions

The Permittee shall comply with those land disposal restrictions set forth in LA. R.S. 30:2193, all regulations promulgated thereunder.

II.E.34. Establishing Permit Conditions

Permits for facilities with pre-existing groundwater contamination are subject to all limits, conditions, remediation and corrective action programs designated under LAC 33:V.311.D and LAC 33:V.3303.

II.E.35. Obligation for Corrective Action

Owners or operators of hazardous waste management units must have all necessary permits during the active life of the unit and for any period necessary to comply with the corrective action requirements of this permit. The facility is obligated to complete facility-wide corrective action for any newly discovered releases regardless of the operational status of the facility.

II.E.36. Attachments and Documents Incorporated by Reference

All attachments and documents required by this permit, including all plans and schedules, are incorporated, upon approval by the Administrative Authority, into this permit by reference and become an enforceable part of this permit. When applicable, the Permittee must modify the permit according to LAC 33:V.Chapter

3. Since required items are essential elements of this permit, failure to submit any of the required items or submission of inadequate or insufficient information may subject the Permittee to enforcement action, which may include fines, suspension, or revocation of the permit.

Any noncompliance with approved plans and schedules shall be termed noncompliance with this permit. Written requests for extension of due dates for submittals may be granted by the Administrative Authority.

If the Administrative Authority determines that actions beyond those provided for, or changes to what is stated herein, are warranted, the Administrative Authority may modify this permit according to procedures in LAC 33:V.321.

III. GENERAL FACILITY CONDITIONS

III.A. DESIGN AND OPERATION OF ALL FACILITIES

III.A.1. The Permittee must maintain and operate all facilities to minimize the possibility of a fire, explosion, or any unauthorized sudden or non-sudden release of hazardous waste constituents to air, soil, or water that could threaten human health or the environment.

III.A.2. No off-site generated hazardous wastes may be shipped to the Geismar facility (LAD 092 681 824) for storage, treatment, and/or disposal.

III.B. REQUIRED NOTICE

(RESERVED)

III.C. GENERAL WASTE ANALYSIS

The Permittee shall follow the procedures described in the Waste Analysis Plan referenced in Attachment 1 and in accordance with LAC 33:V.1519.

III.C.1. The Permittee shall review the Waste Analysis Plan annually and report to the Administrative Authority in the annual report whether any revision is required to stay abreast of changes in EPA methods and/or State regulatory provisions.

III.C.2. Annually, the Permittee shall submit a certified statement that indicates that any laboratory (i.e., on-site laboratory or contract laboratory) that provides chemical analyses, analytical results, or other test data to the department, by contract or by agreement, is accredited in accordance with the laboratory accreditation requirements of LAC 33:I.Chapter 45. This written statement shall be certified as specified in LAC 33:V.513 and included in the annual report. This documentation shall be resubmitted when a different laboratory is contracted for services. Laboratories owned and operated by the Permittee are not required to meet the requirements of this permit condition.

III.C.3. If there is reason to believe that the hazardous waste has changed or the operation generating the hazardous waste has changed, the Permittee shall review and re-characterize all potentially impacted hazardous waste streams generated by the Permittee on-site and treated, stored, and/or disposed on-site. The Permittee must re-characterize wastes in accordance with LAC 33:V.1519.A.3. This re-characterization shall include laboratory analyses which provide information

needed to properly treat, store, and dispose of the hazardous waste, including physical characteristics and chemical components of the waste. The results of this re-characterization shall be summarized in the Permittee's Annual Report.

III.C.4. In accordance with LAC 33:V.1519.B, the Waste Analysis Plan must meet all sampling and QA/QC protocols contained in Condition II.E.9.c. All test procedures used by the Permittee shall be maintained on file by the Permittee and made available to the LDEQ upon request.

III.D. SECURITY

The Permittee must comply with the security provisions of LAC 33:V.1507, as referenced in Attachment 1.

III.E. GENERAL INSPECTION REQUIREMENTS

The Permittee must follow the approved Inspection Plan referenced in Attachment 1. The Permittee must remedy any deterioration or malfunction discovered by an inspection as required by LAC 33:V.1509.C. Records of inspections must be kept as required by LAC 33:V.1509.D. The inspection schedule must include the regulatory requirements of LAC 33:V.517.G, 1509, 1911, 2109 and 3007.J.

III.F. PERSONNEL TRAINING

The Permittee must conduct personnel training as required by LAC 33:V.1515.A, B, and C. The Permittee shall follow the approved Personnel Training Plan referenced in Attachment 1. The Permittee shall maintain all training documents and records as required by LAC 33:V.1515.D and E.

III.G. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE

The Permittee must take precautions as required by LAC 33:V.1517 to prevent accidental ignition or reaction of ignitable or reactive wastes. The Permittee shall store ignitable, reactive, or incompatible wastes only in accordance with LAC 33:V.1517, 1917, 1919, 2113 and 2115.

III.H. LOCATION STANDARDS

III.H.1. The Permittee has furnished that it is in compliance with seismic standards as required by LAC 33:V.517.T.

III.H.2. The Permittee must not manage any hazardous waste on any portion of the property that lies within the 100 year flood plain (as identified in the Flood Insurance Rating Map) unless such areas are raised above this flood level or other means (e.g., levees) are provided to protect such areas from washouts,

overtopping by wave action, soil erosion or other effects of such a flood as required by LAC 33:V.1503.B.3. Such site improvements must be certified by independent licensed professional engineers and approved by the Administrative Authority prior to any hazardous waste and/or hazardous waste units being placed thereon.

III.I. PRECIPITATION RUN-ON AND RUN-OFF

The Permittee must provide for the control by diversion and/or containment of run-on and run-off resulting from a rainfall occurring during a period of twenty-four (24) hours as defined by local rainfall records and LAC 33:V.1503.B.2. The Permittee shall comply with the requirements of LAC 33:V.1907.E.1.b. and 2111.B.4, 5.

III.J. HURRICANE EVENTS

The Permittee must initiate those applicable portions of the Contingency Plan during a hurricane as well as appropriate actions required by LAC 33:V.1507, 1509 and 1511.

III.K. PREPAREDNESS AND PREVENTION

III.K.1. Required Equipment

At a minimum, the Permittee must install and maintain the equipment set forth in the Contingency Plan, as required by LAC 33:V.1511.C.

III.K.2. Testing and Maintenance of Equipment

The Permittee must test and maintain the equipment specified in Condition III.K.1 to insure its proper operation in time of emergency. The testing and maintenance of the equipment must be documented in the operating record.

III.K.3. Access to Communications or Alarm Systems

The Permittee must maintain access to the communications or alarm system as required by LAC 33:V.1511.E.l and 1511.E.2.

III.K.4. Required Aisle Space

In no case shall aisle space be less than two (2) feet. In addition, the Permittee shall maintain adequate aisle space as required by LAC 33:V.1511.F.

III.K.5. Arrangements with Local Authorities

The Permittee shall document in the annual report that the requirements of LAC 33:V.1511.G have been met. This documentation shall include those state and local agencies involved and those facilities and operations covered.

Documentation of written arrangements with state and local agencies shall also be included in this report. Where state or local authorities decline to enter into such arrangements, the Permittee must document the refusal in the operating record.

III.L. CONTINGENCY PLAN

III.L.1. Implementation of Plan

The Permittee must immediately carry out the provisions of the approved Contingency Plan referenced in Attachment 1, and follow the emergency procedures described by LAC 33:V.1513.F whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents that threaten or could threaten human health or the environment.

III.L.2. Copies of Plan

The Permittee must comply with the requirements of LAC 33:V.1513.C.

III.L.3. Amendments to Plan

The Permittee must review and immediately amend, if necessary, the Contingency Plan as required by LAC 33:V.1513.D.

III.L.4. Emergency Coordinator

The Permittee must comply with the requirements of LAC 33:V.1513.E concerning the emergency coordinator.

III.M. MANIFEST SYSTEM

The Permittee shall comply with the manifest requirements of LAC 33:V.Chapter 11.

III.N. RECORD KEEPING AND REPORTING

III.N.1. Operating Record

The Permittee shall maintain a written operating record at the facility in accordance with LAC 33:V.1529.A, B, and C and the approved Operations Plan referenced in Attachment 1.

III.N.2. Annual Report

The Permittee must comply with the annual report requirements of LAC 33:V.1529.D.

III.O. CLOSURE

The Permittee shall address the following regulatory citations in the closure plan: LAC 33:V.1915, 2117, 3005.I, 3503, 3505, 3507, 3509, 3511, 3513, and 3515. The Administrative Authority may re-evaluate the adequacy of the approved closure plan and/or the confirmatory sampling procedures prior to the commencement of closure (e.g., permit renewal applications, permit modifications, notifications of intent to close).

III.O.1. Closure Performance Standard

The Permittee shall close the facility in accordance with the approved Closure Plan referenced in Attachment 1 and in accordance with the applicable sections of LAC 33:V.3507.

III.O.2. Amendment to Closure Plan

The Permittee shall amend the Closure Plan where necessary, in accordance with LAC 33:V.3511.C. Any modification shall be subject to LAC 33:V.321, 322 and 323, where applicable

III.O.3. Notification of Closure

The Permittee shall notify the Administrative Authority at least forty-five (45) days prior to the date it expects to begin closure in accordance with LAC 33:V.3511.D.

III.O.4. Time Allowed For Closure

After receiving the final volume of hazardous waste, the Permittee shall treat or remove from the site all hazardous waste in accordance with the schedule specified in the closure plan referenced in Attachment 1 and in accordance with LAC 33:V.3513.

III.O.5. Disposal or Decontamination of Equipment

The Permittee shall decontaminate and dispose all facility equipment in accordance with the approved Closure Plan referenced in Attachment 1 and in accordance with LAC 33:V.3515.

III.O.6. Certification of Closure

The Permittee shall certify that the facility has been closed in accordance with the specifications in the approved Closure Plan as required by LAC 33:V.3517.

III.O.7. Inventory at Closure

The Permittee shall be responsible for closure cost based upon the maximum permitted facility inventories listed below in Tables 1 and 2.

III.P. POST-CLOSURE

The Permittee must attempt to clean close all hazardous waste units. If the facility cannot be clean closed, the Permittee shall submit a post-closure plan for approval by the Administrative Authority. If some waste residues or contaminated materials are left in place at final closure, the Permittee must comply with all post-closure requirements contained in LAC 33:V.3519-3527, including maintenance and monitoring throughout the post-closure care period.

III.Q. COST ESTIMATE FOR CLOSURE/POST-CLOSURE

III.Q.1. The Permittee must maintain cost estimates for closure of facilities in accordance with LAC 33:V.3705 and 3707.

III.Q.2. The Permittee shall maintain and adjust the closure cost estimate for inflation, as specified in LAC 33:3705.B, 3705.C, and for other circumstances that increase the cost of closure.

III.Q.3. The Permittee must adjust the closure cost estimate within thirty (30) days after approval by the Administrative Authority of any request to modify the closure plan in accordance with LAC 33:V.3705.C. The Permittee shall consider the impact of any inventory and/or process changes on the closure cost estimate.

III.Q.4. The closure cost estimate must equal the cost of closure at the point in the facility's operating life when the extent and manner of its operation would make closure most expensive and must be based on costs to the Permittee of hiring a third party to execute all closure activities. The closure cost estimate shall be based on the maximum permitted inventory of each facility as specified in Condition IV, Tables 1 and 2.

III.Q.5. If the Permittee is unable to complete clean closure of all facilities referenced in Condition IV, Tables 1 and 2 and 3 as per LAC 33:V.Chapter 35 and as acceptable by the Administrative Authority, a Post-Closure Plan must be submitted for each facility failing to achieve clean closure within ninety (90) days from the date that the Permittee or Administrative Authority determines that the unit must be closed as a landfill. The Post-Closure Plan must meet the requirements of LAC 33:V.3523.B.

III.R. FINANCIAL ASSURANCE FOR CLOSED UNITS

The Permittee shall establish and maintain financial assurance for closure in accordance with LAC 33:V.3707 for all units listed under Condition IV of this permit.

III.S. LIABILITY REQUIREMENTS

The Permittee shall have and maintain liability coverage for sudden accidental occurrences in the amounts of $1,000,000 each occurrence and $2,000,000 annual aggregate, exclusive of legal defense costs, as required by LAC 33:V.3715.A.

III.T. INCAPACITY OF THE PERMITTEE

III.T.1 Pursuant to LAC 33:V.3717.A, The Permittee and any guarantor of a corporate guarantee specified in LAC 33:V.3707.F and 3711.F must notify the Office of Environmental Services by certified mail, of the commencement of a voluntary or involuntary proceeding under the Title 11 (Bankruptcy), U.S. Code, naming the Permittee or guarantor as debtor, within ten (10) days after commencement of the proceeding.

III.T.2 Any Permitte who fulfills the requirements of LAC 33:V.3707, 3711, or 3715 by obtaining a trust fund, surety bond, letter of credit, or insurance policy will be deemed to be without the required financial assurance or liability coverage in the event of bankruptcy of the trustee or issuing institution, or a suspension or revocation of the authority of the trustee institution to act as trustee or of the institution issuing the surety bond, letter of credit, or insurance policy to issue such instruments. The Permittee must establish other financial assurance or liability coverage within sixty (60) days after such an event.

III.U. POST-CLOSURE NOTICES

(RESERVED)

IV. PERMITTED FACILITES

IV.A. TANKS

Details of the existing tanks listed in Table 1, including design and operational specifications are contained in Condition V.A.

TABLE 1
(3) Existing Hazardous Waste Tanks

TANKS	SERVICE	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
D-40	Waste Liquid Organics	D001, D019, D022, D028, D029, D032, D033, D034, D035, D039, D040, D043, K016, K019, K028, K096, F002, F003, F005, F024, F025, F039, U002, U043, U044, U045, U075, U077, U080, U108, U121, U133, U154, U159, U210, U211, U226, U228	3,600
D-163	Brominated Organics	D001, D019, D022, K019	6,200
D-2009	Organic Groundwater (DNAPL)	D001, D019, D022, D028, D029, D032, D033, D034, D035, D039, D040, D043, K016, K019, K028, K096, F039, U002, U043, U044, U045, U075, U077, U080, U108, U121, U133, U154, U159, U210, U211, U226, U228	4,300

IV.B. CONTAINER STORAGE

Details of the existing container storage in Table 2, including design and operational specifications, are contained in Permit Condition V.B. Permittee is allowed to manage those wastes listed in the RCRA Part A application.

TABLE 2
(1) Existing Container Storage Area

CONTAINER STORAGE AREA	LOCATION	MAXIMUM PERMITTED CAPACITY (GALLONS)
Container Storage Yard	Ethanes Plant	84,016 15,335 as liquids

IV.C. COMBUSTION UNITS

Details of the existing combustion unit listed in Table 3, including design and operational specifications, are contained in Permit Conditions V.C through V.D.

TABLE 3
(1) Existing Combustion Unit

COMBUSTION UNIT	SERVICE	LOCATION
F-1 Halogen Acid Production Furnace	Liquid Hazardous Waste	PERC Plant

V. PERMIT CONDITIONS APPLICABLE TO PERMITTED FACILITIES

V.A. TANKS

V.A.1. Description of Tank Systems

V.A.1.a. Operation

V.A.1.a.(1) All Permitted tanks and associated piping, pumps, instruments, containments, and vent controls shall be operated and maintained in accordance with LAC 33:V.Chapter 19 and the specification and design criteria provided in the Part B Permit Application.

V.A.1.a.(2) The Permittee shall operate and maintain all permitted tanks and containment systems according to the specifications, design criteria, and design limits specified in Table 5.

V.A.1.a.(2) The design temperature and pressure for each tank listed in Table 5 shall not change unless a permit modification is requested by the Permittee and subsequently approved by the Administrative Authority.

V.A.1.b. Permitted Tanks

V.A.1.b.(1) The tank systems listed in Table 5 are permitted to be used for hazardous waste storage or treatment as designated in Table 5. These tanks have been certified by an independent, professional engineer licensed in the state of Louisiana to have sufficient structural integrity for storage of hazardous waste.

V.A.1.b.(2) All of the tank systems listed in Table 5 must be clearly marked with the words "Hazardous Waste".

V.A.1.b.(3) The Permittee is prohibited from storing or treating hazardous waste in any tank storage system not listed in Table 5 for greater than ninety (90) days, unless an extension is granted by the Administrative Authority, the activity is exempt from regulations, or an Emergency Permit is issued.

V.A.1.b.(4) The Permittee is prohibited from storing any hazardous waste received from offsite in any tank storage system.

V.A.2. Permitted and Prohibited Wastes

V.A.2.a. Permitted Waste

Subject to the terms of this Permit, the Permittee is allowed to store in the tanks described in Condition V.A.1.b of this Permit, the hazardous wastes identified in the most current Part A Permit Application and Condition IV.A, Table 1 of this permit.

V.A.2.b. Prohibited Waste

The Permittee is prohibited from storing hazardous waste that is not identified in Condition V.A.2.a of this Permit.

V.A.3. Secondary Containment

V.A.3.a. Duty to Comply with LAC 33:V.1907.B through F

The Permittee shall design, construct, operate, and maintain the secondary containment system in accordance with LAC 33:V.1907.B-F, the Part B Permit Application, and Table 5 of this Permit.

V.A.3.b. Prevention of Migration

V.A.3.b.(1) Secondary containment systems must be maintained and operated to prevent any migration of wastes or accumulated liquid out of the system to the soil, groundwater, or surface water at any time during the use of the tank system in accordance with LAC 33.V.1907.B.1.

V.A.3.b.(2) Ancillary equipment must be provided with secondary

containment, except as excluded by LAC 33:V.1907.F.

V.A.3.b.(3) Secondary containment systems must be free of cracks or gaps and other surface defects that would allow liquid to migrate out of the containment system.

V.A.3.b.(4) Spilled or leaked waste must be removed from the secondary containment system within 24 hours or in as timely a manner as is possible to prevent harm to human health and the environment, unless it can be demonstrated that removal cannot be accomplished within 24 hours.

V.A.3.b.(5) Accumulated precipitation must be removed from the secondary containment system within 24 hours or in as timely a manner as is possible.

V.A.4. Operating Requirements

V.A.4.a. Duty to Comply with LAC 33:V.1909.A

The Permittee shall comply with LAC 33:V.1909.A. Hazardous wastes or treatment reagents must not be placed in a tank system if they could cause the tank, its ancillary equipment, or the containment system to rupture, leak, corrode, or otherwise fail.

V.A.4.b. Duty to Comply with LAC 33:V.1909.B

The Permittee shall comply with LAC 33:V.1909.B and Table 5 of this Permit. The Permittee must use appropriate controls and practices to prevent spills and overflows from tanks and containment systems.

V.A.4.c. Tank Covers

All hazardous waste storage tanks shall be covered and shall not be vented directly to the atmosphere if the tanks are used to store, or if a possibility exists that they may be used to store volatile or malodorous waste.

V.A.4.d. Maintenance

The Permittee shall maintain the permitted tank systems according to the design code specified for each tank as listed in Table 5 and not exceed the listed operating conditions.

V.A.5. Ignitable, Reactive, and Incompatible Wastes

The Permittee shall store ignitable, reactive, or incompatible wastes only in accordance with LAC 33:V.1517.B, 1917 and 1919.

V.A.6. Inspections

V.A.6.a. Inspection Schedule

The Permittee shall comply with LAC 33:V.1911.A through C by following the inspection schedule submitted in the Inspection Plan (see Attachment 1).

V.A.6.b. Daily Inspection

V.A.6.b.(1) At least once per day while the tank is operating in hazardous waste service, the Permittee shall inspect the following:

V.A.6.b.(1).a. Aboveground portions of the tank system, including the tank, ancillary piping, valves, and vent controls, to detect corrosion, cracks or releases of waste.

V.A.6.b.(1).b. Data gathered from monitoring and leak detection equipment.

V.A.6.b.(1).c. The construction materials and area immediately surrounding the externally accessible portion of the tank system and ancillary equipment, e.g. secondary containment system and any impermeable coatings, to detect erosion, cracks and signs of hazardous waste releases.

V.A.6.b.(2) All deficiencies noted during daily inspections must be recorded and remedied in a timely manner.

V.A.6.c. External Inspection

At a minimum, external inspection of each tank covered by this permit shall be performed as often as required by the API designated inspection standard in Table 5. The required frequency of inspection with reference to the applicable section of the standard shall be kept on site and available for review by the Administrative Authority upon request. The inspection shall be performed by a person meeting the minimum qualifications required under the inspection standard in Table 5. The inspection checklist shall be comparable to that in API Standard 510 or 653 as applicable.

If the result of such an inspection reveals that the tank is unfit for continued service, the Permittee shall immediately stop the flow of hazardous waste into the

tank and comply with LAC 33:V.1913. The certification required by LAC 33:V.1913.F shall be obtained before the tank is put back into service.

V.A.6.d. Internal Inspection

Internal inspection of each tank covered by this permit shall be performed as often as required by the inspection standard in Table 5. The required frequency of inspection with reference to the applicable section of the standard shall be kept on site and available for review by the Administrative Authority upon request. The inspection shall be performed by a person meeting the minimum qualifications required under the inspection standard in Table 5. The inspection checklist shall be comparable to that in API Standard 510 or 653 as applicable.

If the result of such an inspection reveals that the tank is unfit for continued service, the Permittee shall immediately stop the flow of hazardous waste into the tank and comply with LAC 33:V.1913. The certification required by LAC 33:V.1913.F shall be obtained before the tank is put back into service.

V.A.6.e. Thickness Testing

V.A.6.e.(1) An authorized inspector shall take tank thickness measurements on tank roofs and shells and shall be taken at least on each tank quadrant at the frequencies specified in Table 4. Tank thickness readings shall be taken in the same place during each testing event in order to form a comparison of readings for corrosion rate determination.

V.A.6.e.(2) Tank thickness readings shall also be taken at any spot where visual corrosion or compromised integrity is evident.

V.A.6.e.(3) An authorized inspector shall perform tank thickness measurements on tank bottoms at the frequencies specified in Table 4.

TABLE 4
Tank Thickness Measurements Frequencies

TANK	ROOF AND SHELL	BOTTOM
D-40	N/A	N/A
D-163	Every two (2) years	As often as the internal inspection required under Condition V.A.6.d, or more often if required by the inspection standard specified in Table 5
D-2009	Primary Tank Wall – as necessary based on the internal inspections required under Condition V.A.6.d Secondary Tank Wall – the lesser of every fifth year or tank half-life	Primary Tank Wall – as necessary based on the internal inspections required under Condition V.A.6.d Secondary Tank Wall – N/A

V.A.6.e.(4) When any tank shell thickness measurement at a single point is less than that required in Table 5, the Permittee shall immediately comply with either Condition V.A.6.e.(4).a or b below. Condition V.A.6.e.(4).b shall not be used for any tank where the shell thickness measurement is less than 0.100 inches.

V.A.6.e.(4).a. When a tank is deemed unfit for use, the Permittee shall immediately stop the flow of hazardous waste into the tank and comply with LAC 33:V.1913. The tank shall be repaired or replaced and the certification required by LAC 33:V.1913.F shall be obtained before the tank is put back into service.

V.A.6.e.(4).b. An engineering evaluation shall be performed, conforming to the appropriate standard or standards, as allowed by the design or inspection standard in Table 5. If the evaluation determines that the tank is unfit for service, the Permittee shall comply with Condition V.A.6.e.(4).a immediately. The evaluation must be submitted to the Waste Permits Division for approval within forty-five (45) days of the initial measurement.

V.A.6.e.(5) Tank thickness measurements shall not be averaged, unless allowed under the tank inspection standard in Table 5. Averaging of tank thickness measurements shall be reported to the Administrative Authority.

V.A.6.f. Overfill Controls

Tank levels shall be continuously monitored and overfill controls shall be visually inspected along with other aboveground portions of the tanks daily. Function of the overfill controls shall be tested annually.

V.A.6.g. Fiberglass Tanks

The fiberglass reinforced plastic (FRP) tank D-40 shall be taken out of service and repaired or replaced when fiberglass is exposed, cracks are visible, softening or swelling occurs, or when delamination is evident.

V.A.7. <u>Response to Leaks or Spills</u>

V.A.7.a. Duty to Comply with LAC 33:V.1913.A through E

In the event of a leak or spill from a tank system, secondary containment system, or if a system becomes unfit for use, the Permittee shall comply with LAC 33:V.1913.A through E.

V.A.7.b. Leaks and Spills

V.A.7.b.(1) Upon discovering a leak or spill, the Permittee must immediately stop the flow of hazardous waste into the tank system or secondary containment system and inspect the system to determine the cause of the release.

V.A.7.b.(2) Within twenty-four (24) hours of detecting a leak from the tank system, or in as timely a manner as is practical if the Permittee demonstrates that is not possible to remove the waste within twenty-four (24) hours, the Permittee must remove as much waste as necessary to prevent further release from the tank or secondary containment system and to allow inspection and repair of the tank system.

V.A.7.b.(3) Any spilled material or material trapped in sumps that is a hazardous waste or that will be disposed of as a hazardous waste must be cleaned up in a timely manner, as required by LAC 33:V.1505.C.3.

V.A.7.b.(3).a. If the collected material is discharged through a point source to United States water or to a Publicly Owned Treatment Works, it is subject to the requirements of the Clean Water Act.

V.A.7.b.(3).b. If the collected material is released to the environment, it

may be subject to reporting under applicable requirements of LAC 33:V.1505, LAC 33:I.Chapter 39, and 40 CFR Part 302.

V.A.7.b.(4) When a leak or spill occurs, the Permittee shall remove and properly dispose of any visible contamination of the soil or surface water.

V.A.7.b.(5) A tank system from which a leak or spill has occurred must be closed in accordance with the approved Closure Plan and LAC 33:V.1915, unless the requirements of LAC 33:V.1913.E.2-3 are satisfied.

V.A.7.b.(5).a. For a release caused by a spill that has not damaged the integrity of the system, the Permittee shall remove the released waste and make any necessary repairs to fully restore the integrity of the system before returning the tank system to service.

V.A.7.b.(5).b. For a release caused by a leak from the primary tank system to the secondary containment system, the Permittee shall repair the primary system prior to returning the tank to service.

V.A.7.b.(6) If the Permittee replaces a component of the tank system to eliminate a leak, that component must satisfy the requirements for new tank systems or components in LAC 33:V.1905 and 1907. An engineer's certification shall not be required for such day-to-day routine maintenance or service practices as replacement or repair of worn portions of tank system components (e.g. valves, bearings, seals), adjustment or repairs to instruments, etc.

V.A.7.b.(7) All leaks and spills shall be documented in the daily inspection log.

V.A.7.c. Major Repairs

V.A.7.c.(1) The Permittee shall comply with LAC 33:V.1913.F when performing major repairs to a tank system.

V.A.7.c.(2) Major repairs shall include, but not be limited to, installation of an internal liner, repair of a ruptured tank, repair of a ruptured secondary containment area, and removal of a tank from its foundation for any reason.

V.A.7.c.(3) The Permittee shall conform to the appropriate portion of the most recent inspection code listed in Table 5 for maintenance,

inspection, re-rating, repair, and alteration of all tanks.

V.A.7.c.(4) The tank shall not be returned to service unless the Permittee has obtained a certification by an independent, Louisiana registered professional engineer that the system is capable of handling hazardous waste without release for the intended life of the system. The certification of repairs shall include an inspection in accordance with the requirements of any applicable codes, such as API 510 or API 653. The certification shall be submitted to the A within seven (7) days of returning the tank system to use.

V.A.8. <u>Air Emission Control Equipment Standards</u>

The Permittee shall comply with the applicable requirements for air emission control equipment for the hazardous waste tanks in LAC 33:V.1747-1799 and Condition V.F of this Permit.

V.A.9. <u>Recordkeeping</u>

V.A.9.a. New Tanks

The Permittee shall obtain, and keep on file at the facility, the written statements by those persons required to certify the design and installation of new tank systems, in accordance with LAC 33:V.1905.G.

V.A.9.b. Written Assessment

The Permittee shall keep on file at the facility, written assessments of the tank systems' integrity. Assessments shall be updated at the time of submittal of the Permit Renewal Application and at any other time deemed necessary by the Administrative Authority.

V.A.9.c. Inspections

V.A.9.c.(1) The Permittee shall document in the operating record for the facility inspection of those items in Condition V.A.6.a-b of this Permit.

V.A.9.c.(1).a. The daily log sheets shall include all monitored parameters for the prevention of spills and overflows, including temperature, pressures, and either levels or pump flows into and out of the tanks.

V.A.9.c.(1).b. The Permittee shall note all deficiencies discovered during the inspection in the inspection log.

V.A.9.c.(1).c. Corrective action taken in response to deficiencies must be included as part of the operating record for the facility.

V.A.9.c.(2) The Permittee shall document in the operating record all tests and inspections of overfilling controls.

V.A.9.c.(3) The Permittee shall keep on file at the facility the results of the internal and external inspections required by Condition V.A.6.c-d of this Permit. The Permittee shall note all deficiencies discovered during the inspection in the inspection log. Corrective action taken in response to deficiencies must be included as part of the operating record for the facility.

V.A.9.c.(4) The Permittee shall keep on file all information related to tank thickness testing required under Condition V.A.6.e of this Permit.

V.A.9.c.(4).a. This information shall include, at a minimum, the date(s) of assessment, the location where measurement readings are taken, the raw measurement data, comparison of actual reading to minimum thickness requirements, the corrosion rate, and calculation of remaining tank life.

V.A.9.c.(4).b. If an engineering evaluation is performed in accordance with Condition V.A.6.e.(4).b. of this Permit, the results of such an evaluation shall be kept in the operating record.

The engineering evaluation must include, at a minimum, details on how the evaluation was performed, references to applicable tank codes, raw data, calculations performed, and an explanation of why the tank is or is not fit for continued service.

V.A.9.c.(4).c. Any tank thickness measurements that are averaged under Condition V.A.6.e.(4) of this Permit must be supported by documentation with references to the applicable tank codes. The documentation shall include all raw measurement data, calculations, and results of averaging. This information shall be kept as a part of the operating record for the facility.

V.A.9.d. Releases

V.A.9.d.(1) The Permittee shall keep on file at the facility, notification reports submitted under LAC 33:V.1913.D.

V.A.9.d.(2) Within twenty-four (24) hours of detecting a reportable leak or

spill from a tank system or secondary containment system to the environment, the Permittee shall report the leak or spill to the Department's Single Point of Contact.

V.A.9.d.(3) Within thirty (30) days of detecting a reportable release to the environment from a tank system or secondary containment system, the Permittee shall report the following information to the Department's Single Point of Contact:

V.A.9.d.(3).a. Likely route of migration of the release,

V.A.9.d.(3).b. Characteristics of the surrounding soil, including soil composition, geology, hydrogeology, and climate,

V.A.9.d.(3).c. Results of any monitoring or sampling conducted in connection with the release (if available). If the Permittee finds it will be impossible to meet this time schedule, the Permittee must provide the Administrative Authority with a schedule of when the results will be available.

This schedule must be provided before the required thirty (30) day submittal period expires,

V.A.9.d.(3).d. Proximity of downgradient drinking water, surface water, and populated areas, and

V.A.9.d.(3).e. A description of response actions taken or planned.

V.A.9.e. Repairs

The Permittee shall keep on file at the facility all certifications required by Condition V.A.7.c of this Permit.

V.A.10. <u>Closure and Post-Closure Care</u>

V.A.10.a. Duty to Comply with LAC 33:V.1915.A

The Permittee shall comply with LAC 33:V.1915.A by following the procedures specified in the Closure Plan, Attachment 1.

V.A.10.b. Duty to Comply with LAC 33:V.1915.B

If the Permittee demonstrates that not all contaminated soils can be practicably removed or decontaminated in accordance with Condition V.A.10.a of this Permit, the Permittee shall comply with LAC33:V.1915.B.

V.A.10.c. Post-Closure

The Permittee shall attempt to clean close all tank systems. If a tank cannot be clean closed and the Permittee has not demonstrated through a risk assessment approved by the Administrative Authority that closure with the remaining contaminant levels is protective of human health and the environment; or if any waste residue or contaminated materials are left in place at final closure, the Permittee must comply with all post-closure requirements contained in LAC 33:V.3519 and 3527, including maintenance and monitoring throughout the post-closure care period.

TABLE 5
Design and Operating Parameters for RCRA Tank Systems

Tank No.	Year Placed Into Service	Dimensions (D X H)	Permitted Capacity (gallons)	Design Standard	Inspection Standard	Design Temperature (°F)	Design Pressure	Materials of Construction	Nominal Thickness (inches)	Minimum Thickness (inches)	Secondary Containment Type
D-40	1984	8' X 11'-2.5"	3,600	VMC E7-111; NBS PS 15-69; ASTM D3299	ASME RTP-1	120	1.0 PSI	Fiberglass Reinforced Plastic	Shell: 0.3750 Head: 0.4375 Bottom: 2.5000	N/A	Double Walled Tank
D-163	2004	10' X 12'	6,200	API 650 10th Edition Appendix F.7/J	API 653	150	20" W.C. to -2" W.C.	ASTM A-36 Carbon Steel	Roof: 0.3125 Shell: 0.375 Bottom: 0.375	Roof: 0.090 Shell: 0.100 Bottom: 0.100	External Liner; 1,340 ft^3
D-2009	2008	8' X 11'-6"	4,300	API 650 10th Edition	API 653	150	2.4" W.C.	SA-36 Carbon Steel	Shell: 0.375 Bottom: 0.500	Roof: 0.090 Shell: 0.100 Bottom: 0.100	Double Walled Tank

V.B. CONTAINER STORAGE

The Permit conditions as set forth under this Condition shall apply where applicable to the Permitted container storage facility as designated in Condition IV.B, Table 2. The container storage area is permitted to store hazardous waste listed in the Part A application, in properly labeled and sealed containers which have been specified for this purpose and are compatible with the contained waste. Containers, in compatibility with the waste, shall be stored in accordance with LAC 33:V.2109.

The 55-gallon drums shall be stored on pallets stacked at a maximum of two (2) high and no more than four (4) large containers per tier on the pallet and conform to LAC 33.V.2109.B. The pallets shall be placed in rows with a minimum of two (2) feet of aisle space between rows.

V.B.1. The Permittee shall be in compliance with all appropriate conditions set forth in LAC 33:V.2101.

V.B.2. The Permittee shall maintain all containers in accordance with LAC 33: V.2107.A.

V.B.3. The Permittee will assure the integrity of the containers in accordance with LAC 33:V.2105.

V.B.4. The Permittee must manage the containers in accordance with LAC 33:V.2107.A and B.

V.B.5. The Permittee must inspect the containers and storage areas in accordance with LAC 33:V.2109 and LAC 33:V.1509. Results of such inspections must be placed in the operating record in accordance with LAC 33:V.1529.B.8.

V.B.6. The Permittee shall store all wastes in containers that are compatible with the hazardous wastes and in accordance with DOT standards listed in 49 CFR 173 and 178.

V.B.7. The Permittee must maintain the containment storage area as required by LAC 33:V.2111.A, B.1, 2, 3, and 4.

V.B.8. The Permittee must manage spilled or leaked waste and accumulated precipitation according to LAC 33:V.2111.B.5.

V.B.9. The Permittee must manage any collected material as required by LAC 33:V.2111.B.6. The Permittee must manage any collected storm water as required by LAC 33:V.2111.B.6 and any other applicable regulations.

V.B.10. The Permittee must place and store incompatible, ignitable, and reactive wastes only in accordance with LAC 33:V.1517, 2113, and 2115.

V.B.11. The Permittee shall store hazardous waste in accordance with LAC 33:V.2109 and Condition IV.B of this Permit.

V.B.12. The Contingency Plan shall be activated when warranted by an emergency and reported as required by LAC 33:V.1513.

V.B.13. The Permittee must insure that all hazardous waste personnel receive initial and continued training to insure compliance with LAC 33:V.1515, and maintain an emergency response program in compliance with LAC 33:V.1525.

V.B.14. The Permittee must control and report all point source discharges according to LAC 33:V.1505.

V.B.15. The Permittee shall not exceed the maximum capacity listed under Condition IV.B of this Permit for each container storage area listed.

V.B.16. At closure, the Permittee shall adhere to the procedures detailed in the approved closure plan referenced in Attachment 1 of this Permit and as required by LAC 33:V.2117 and Chapter 35, Closure Requirements. Post-closure activities must be performed in accordance with the approved post-closure plan for the container storage area failing to achieve clean closure (or an alternate closure standard approved under LAC 33:V.3501.D.2. or LAC 33.V.3507.B.) within ninety (90) days from the date that the Permittee or Administrative Authority determines that the unit must be closed as a landfill.

V.B.17. The Permittee shall always maintain enough secondary containment capacity to contain at least ten percent (10%) of the total volume of containers or the volume of the largest container, whichever is greater in accordance with LAC 33:V.2111.B.3. Containers that do not contain free liquids (per the Paint Filter Liquids Test) do not need to be considered in this determination.

V.B.18. The Permittee shall comply with the requirements set forth in LAC 33:V.1109.E and all applicable portions of LAC 33:V. Chapter 15 and Chapter 43 for the storage of containers in non-Permitted less than ninety (90) day container storage areas.

V.B.19. The Permittee shall comply with the applicable requirements for air emission control equipment for hazardous waste containers specified in LAC 33:V.1747-1799 and condition V.F of this Permit.

V.C. GENERAL REQUIREMENTS FOR HALOGEN ACID PRODUCTION FURNACES

The F-1 Halogen Acid Production Furnace (HAPF) is subject to the following general requirements.

NOTE: The F-1 HAPF has also been in compliance with the Boiler and Industrial Furnace (BIF) Maximum Achievable Control Technology (MACT) rule under 40 CFR 63 Subpart EEE since November 14, 2008. Thus, in addition to the following requirements, the F-1 HAPF is also subject to the requirements of 40 CFR 63 Subpart EEE. In particular, all continuous emission monitoring systems (CEMs) and continuous monitoring systems (CMS) must be operated in compliance with the requirements of 40 CFR 63.1209(a)-(b), and the AWFCO system must be operated in accordance with the requirements of 40 CFR 63.1206(c)(3).

V.C.1. Permitted and Prohibited Wastes

V.C.1.a. The Permittee may only burn hazardous wastes with EPA waste codes listed in the current RCRA Subtitle C Hazardous Waste Permit Information Form (Part A Permit Application) except as prohibited in Condition V.C.1.b.

V.C.1.b. The burning of the following waste is prohibited:

V.C.1.b.(1) Dioxin-containing wastes identified by EPA as F020, F021, F022, F023, F026, F027, and F028 wastes in LAC 33:V.4901.

V.C.1.b.(2) Polychlorinated biphenyl (PCB) waste, as defined in 40 CFR Part 761.3.

V.C.1.b.(3) Source material, special nuclear material, mixed waste, or naturally occurring radioactive materials (NORM) that is not exempt pursuant to LAC 33:XV.

V.C.1.b.(4) Explosive material, as defined by the Department of Transportation under 49 CFR Part 173.

V.C.1.b.(5) Municipal Waste.

V.C.1.b.(6) Containerized Gases.

V.C.1.b.(7) Medical/Infectious wastes as defined in 40 CFR 60.51.c.

V.C.1.b.(8) Metal bearing wastes listed in LAC 33:V.Chapter 22.Table 14, except as described in LAC 33:V.2207.C.

V.D.1.b.(9) Wastes displaying the characteristic of reactivity as defined in LAC 33:V.4903.D.

V.C.1.c. Before burning any wastes not authorized under this permit, the Permittee shall obtain approval for a permit modification, as required under LAC 33:V.321.

V.C.2. Inspections

V.C.2.a. Requirements

V.C.2.a.(1) The Permittee shall inspect the halogen acid production furnace (HAPF) and instrumentation in accordance with the inspection schedule submitted in the Inspection Plan (see Attachment 1).

V.C.2.a.(2) The HAPF and associated equipment (pumps, valves, pipes, fuel storage tanks, and other ancillary equipment) shall be subject to a daily thorough, visual inspection, when they contain hazardous waste. The purpose of these inspections will be to identify leaks, spills, fugitive emissions, and signs of tampering.

V.C.2.b. Records

V.C.2.b.(1) Written inspection records shall be part of the operating record for this Permit and are hence subject to LAC 33:V.1529 requirements. At a minimum, the record shall include the following information: (1) the date and time of the inspection, (2) inspector's name, (3) any inspection observations, and (4) date and nature of corrective action. The inspection record shall be completed in accordance with LAC 33:V.1509 and shall be available at all times to the Administrative Authority.

Electronic records may be maintained, in lieu of paper copies.

V.C.3. Regulation Of Residues

The Permittee shall regulate all hazardous waste combustion residues in accordance with LAC 33:V.3025.

V.C.4. Closure

The Permittee shall close this facility in accordance with LAC 33:V.3005.I and the Closure Plan referenced in Attachment 1.

V.D. SPECIFIC OPERATING CONDITIONS FOR THE F-1 HAPF

The F-1 HAPF shall be subject to the following provisions and operating conditions until such time the Permittee conducts a Comprehensive Performance Test (CPT) in accordance with the Hazardous Waste Combustors Maximum Achievable Control Technology (HWC-MACT) timelines and requirements. After the Administrative Authority issues a Finding of Compliance on the results of the initial CPT, this permit will be modified and the provisions and operating conditions pertaining to the normal operation of the F-1 HAPF will be transferred to the Permittee's Title V Air Permit.

V.D.1. Performance Standards

V.D.1.a. Requirements

The Permittee shall comply with the performance standards specified in this Permit when hazardous waste is burned in the HAPF (LAC 33:V.3009-3015).

V.D.1.a.(1) The HAPF shall achieve a Destruction and Removal Efficiency (DRE) of 99.99 percent for each principal organic hazardous constituent (POHC). The DRE shall be determined by using the method specified in LAC 33:V.3009.A.

V.D.1.a.(2) The Permittee shall control hydrogen chloride (HCl) emissions such that the rate of emission from the stack is no greater than that specified in LAC 33:V.3015.

V.D.1.a.(3) The emissions of particulate matter shall not exceed 0.08 grains per dry standard cubic foot of stack gas, corrected to seven (7) percent oxygen by volume, in accordance with the formula specified in LAC 33:V.3011.

V.D.1.a.(4) The emissions of carbon monoxide, corrected to seven (7) percent oxygen, shall not exceed 100 parts per million by volume on an hourly rolling average in accordance with LAC 33:V.3009.B.

V.D.2. Process Operating Conditions

The unit must be operated within the conditions prescribed below at all times while hazardous waste is in the unit. (LAC 33:V.3005.E.1 and LAC 33:V.3005.E.2.c)

V.D.2.a. Group A Parameter Limits

The Permittee shall operate the HAPF with a functioning system to automatically cut off waste feed to the combustion unit when operating conditions deviate from those established in Table 6 and below:

V.D.2.a.(1) Whenever hazardous waste is in the unit, the HEX and GWP

organic phase combined waste feeds shall be maintained below the maximum value of 4.6 gallons per minute (gpm), computed over a five minute rolling average.

V.D.2.a.(2) Whenever hazardous waste is in the unit, the atomizing steam and/or air header pressure shall be maintained above the minimum value of 50 pounds per square inch gauge (psig).

V.D.2.a.(3) Whenever hazardous waste is in the unit, the stack gas O_2 concentration shall be maintained below the maximum value of 3% by volume.

V.D.2.a.(4) Whenever hazardous waste is in the unit, the combustion chamber temperature shall be maintained above the minimum value of 1850°F, computed over a five minute rolling average.

V.D.2.a.(5) Whenever hazardous waste is in the unit, the combustion air flow rate shall be maintained above the minimum value of 3,000 standard cubic feet per minute (scfm), computed over a five minute rolling average.

V.D.2.a.(6) Whenever hazardous waste is in the unit, the hourly rolling average carbon monoxide (CO) level shall be maintained below the maximum value of 100 parts per million volume (ppmv), continuously corrected to seven (7) percent oxygen, dry gas basis in accordance with LAC 33:V.3009.B-C.

V.D.2.a.(7) Whenever hazardous waste is in the unit, the natural gas supply pressure shall be maintained below the maximum value of 35 pounds per square inch gauge (psig).

V.D.2.a.(8) Whenever hazardous waste is in the unit, the pH of the recirculating water to the top section of T-11 shall be maintained above the minimum value of 8.9.

V.D.2.a.(9) Whenever hazardous waste is in the unit, the recirculating flow to the top of T-11 shall be maintained above the minimum value of 200 gallons per minute (gpm).

V.D.2.b. Group B Parameter Limits

The Permittee shall operate the HAPF without exceeding these limits (see Table 7), although these limits are not part of the automatic waste feed cut off set points.

V.D.2.b.(1) The heat release from the HAPF shall be maintained below the maximum value of 19.0 million British Thermal Units per hour

(MMBTU/hr).

V.D.2.b.(2) The combined total chloride and chlorine feed rate from all feedstreams shall be no greater than 2,250 pounds per hour (lb/hr).

V.D.2.b.(3) The total bromide feed rate from all feedstreams shall be no greater than 50 pounds per hour (lb/hr).

V.D.2.b.(4) The other halides concentration from all feedstreams shall be no greater than 100 parts per million (ppm).

V.D.2.b.(5) The total ash feed rate to the HAPF shall be no greater than 2.0 pounds per hour (lb/hr).

V.D.2.b.(6) The Permittee is limited to the metal feed rates listed below. The Permittee shall include testing for the below metals in the Waste Analysis Plan. The test shall be conducted annually with samples collected over a twenty-four (24) hour period and the analysis done on a composite. The hourly average shall be calculated by totaling the waste feeds and dividing by the total annual on-stream hours.

Antimony 0.65 pounds per hour (lb/hr)

*Arsenic 0.005 pounds per hour (lb/hr)

Barium 111.0 pounds per hour (lb/hr)

*Beryllium 0.009 pounds per hour (lb/hr)

*Cadmium 0.012 pounds per hour (lb/hr)

*Chromium 0.02 pounds per hour (lb/hr)

Lead 0.19 pounds per hour (lb/hr)

Mercury 0.65 pounds per hour (lb/hr)

Silver 6.5 pounds per hour (lb/hr)

Thallium 0.65 pounds per hour (lb/hr)

*The feed rate of arsenic, beryllium, cadmium, and chromium is limited to a level such that the sum of the ratios of the actual feed rate to the feed rate limit specified in Condition V.D.2.b.(6) shall not exceed 1.0, as provided by the following equation:

$$\sum_{i=1}^{n} AFR_{(i)}/FRL_{(i)} \leq 1.0$$

$AFR_{(i)}$ = **Actual Feed Rate (AFR)**
The actual feed rate of carcinogenic metal (i) introduced into the combustion chamber from all HAPF feedstreams.

N = Number of Carcinogenic Metals.

$FRL_{(i)}$ = **Feed Rate Limit (FRL)**
The regulatory feed limit of carcinogenic metal (i) listed in V.D.2.b.(6).

V.D.2.b.(7) O_2 shall be monitored continuously whenever hazardous waste is in the halogen acid production furnace, in accordance with CEMS regulations.

V.D.2.c. Group C Parameter Limits

The Permittee shall operate the HAPF without exceeding these limits, although these limits are not part of the automatic waste feed cut off set points.

V.D.2.c.(1) The viscosity of all feedstreams to the HAPF shall be maintained below the maximum value of 100 centipoise (cP).

V.D.2.c.(2) The Permittee shall immediately stop the flow of hazardous waste into the combustion unit should sample flow to the Continuous Emissions Monitoring System (CEMS) cease, outside of normal calibration periods.

V.D.2.c.(3) At a minimum, the Permittee shall analyze values from the Continuous Emissions Monitoring System (CEMS) every fifteen (15) seconds. The Permittee must record these values every sixty (60) seconds to demonstrate compliance with the monitoring requirements in accordance with 40 CFR 266 Appendix IX Condition 2.1.2.1.

V.D.2.c.(4) For a Continuous Monitoring System (CMS) operated to ensure compliance with these regulations, the Permittee must maintain and operate the monitors consistent with the manufacturer's specifications.

V.D.2.c.(5) At a minimum, the Permittee shall analyze values from the Continuous Monitoring System (CMS) every fifteen (15) seconds. The Permittee must record these values every sixty (60) seconds to demonstrate compliance with the monitoring requirements.

V.D.2.c.(6) Whenever hazardous waste is in the HAPF, the unit must be kept totally sealed to protect against the escape of fugitive emissions. In accordance with LAC 33:V.3005.E.7, the Permittee must monitor the outside of the combustion unit for signs of fugitives at least daily or document a continuous negative pressure in the combustion chamber.

TABLE 6
Group A Parameter Limits for the F-1 HAPF
(Automatic Waste Feed Cut Offs)

CONTROL PARAMETER	FINAL OPERATING LIMITS AUTOMATIC WASTE FEED CUT OFF POINT
Maximum Hazardous Waste Feed Rate	4.6 gpm, five minute rolling average
Minimum Combustion Chamber Temperature	1850°F, five minute rolling average
Minimum Combustion Air Flow Rate	3,000 scfm, five minute rolling average
Maximum Stack Gas Carbon Monoxide	100 ppmv, corrected to 7% oxygen of a dry gas basis, hourly rolling average
Minimum Atomizing Steam and/or Air Header Pressure	50 psig
Maximum Stack Gas O_2 Concentration	3%, by volume
Maximum Natural Gas Supply Pressure	35 psig
Minimum pH for T-11 Recirculating Water	8.9
Minimum T-11 Recirculating Flow	200 gpm

TABLE 7
Group B & C Parameter Limits for the F-1 HAPF

CONTROL PARAMETER	FINAL OPERATING LIMITS
Maximum Heat Release	19.0 MMBTU/hr
Maximum Total Chloride and Chlorine Feed Rate	2,250 lb/hr
Maximum Total Bromide Feed Rate	50 lb/hr
Maximum Total Other Halides Feedstream Concentration	100 ppm
Maximum Ash Feed Rate	2.0 lb/hr
Maximum Feed Rate of Antimony	0.65 lb/hr[2]
[1]Maximum Feed Rate of Arsenic	0.005 lb/hr[2]
Maximum Feed Rate of Barium	111.0 lb/hr[2]
[1]Maximum Feed Rate of Beryllium	0.009 lb/hr[2]
[1]Maximum Feed Rate of Cadmium	0.012 lb/hr[2]
[1]Maximum Feed Rate of Chromium	0.02 lb/hr[2]
Maximum Feed Rate of Lead	0.19 lb/hr[2]
Maximum Feed Rate of Mercury	0.65 lb/hr[2]
Maximum Feed Rate of Silver	6.5 lb/hr[2]
Maximum Feed Rate of Thallium	0.65 lb/hr[2]
Maximum Feedstream Viscosity	100 cP

[1]Carcinogenic Metal – Feed rate is further limited to a level such that the sum of the actual feed rate, divided by the

allowable feed rate for all carcinogenic metals, shall be less than or equal to 1.00.
[2]The hourly average shall be calculated by totaling the waste feeds and dividing by the total annual on-stream hours.

V.E. RISK-BASED CONDITIONS

RESERVED

V.F. AIR EMISSION STANDARDS

V.F.1. Performance Standards For Equipment Leaks

The Permittee is demonstrating compliance with LAC 33:V.1717-1745 by complying with 40 CFR 63 Subpart H. In the event that 40 CFR 63 Subpart H becomes no longer applicable, the Permittee shall comply with LAC 33:V.1717-1745.

V.F.2. Standards For Container Storage Areas

The Permittee shall comply with the applicable requirements of LAC 33:V.1747 to 1799 for Container Storage Yard, as listed in Table 8.

TABLE 8
Emission Controls for Containers

CONTAINER STORAGE AREA	LAC REFERENCE(S)	AIR EMISSION CONTROLS
Container Storage Yard	LAC 33:V.1759.A, B, C, D, F, G, and H; LAC 33:V.1763-1767	Level 1 and Level 2

V.F.3. Standards for Tanks

The Permittee shall comply with the applicable requirements of LAC 33:V.1747-1799 for Tanks D-40, D-163, and D-2009, as listed in Table 9.

TABLE 9
Emission Controls for Tanks

TANK	LAC REFERENCE(S)	AIR EMISSION CONTROLS
D-40	LAC 33:V.1755.A, B, D, G, J, and K; LAC 33:V.1763-1767	Level 2
D-163	LAC 33:V.1755.A, B, D, G, J, and K; LAC 33:V.1763-1767	Level 2
D-2009	LAC 33:V.1755.A, B, D, G, J, and K; LAC 33:V.1763-1767	Level 2

VI. GROUND WATER PROTECTION

VI.A. APPLICABILITY

The regulations of Louisiana Administrative Code (LAC), Title 33, Part V, Chapter 3, 5, 15, 25, 27, 29, 30, 33, 35, and 37, and the Louisiana Hazardous Waste Control Law, La. R.S. 30:2171 et seq., of the Act, La. R.S. 30:2001 et seq., and the provisions of this Condition shall apply to ground water protection programs for facilities that are used to treat, store, and dispose hazardous wastes at Occidental Chemical Corporation in Geismar, LA. **No active regulated units are included in this Permit which are subject to Ground Water monitoring under LAC 33:V.3317, 3319 or 3321 at this time.**

V1.B. REQUIRED PROGRAMS

The Permittee shall comply with the monitoring, response, and corrective action provisions for the existing and any new systems in accordance with LAC 33:V.Chapter 33 and as outlined in the Final Post-Closure Permit (LAD 092 681 824 PC-01), Condition VIII, (CAS), issued 09/27/2006.

VI.C. GROUNDWATER PROTECTION STANDARD

If ground water contamination is confirmed as a result of operations related to past or present hazardous waste management facilities associated with this site, the Permittee shall establish, expand, or continue assessment and corrective action programs in accordance with the requirements of LAC 33:V.Chapter 33 and as subsequently directed by the Administrative Authority.

ATTACHMENT 1

ATTACHMENT 1
LIST OF FACILITY DOCUMENTS INCORPORATED IN THE PERMIT BY REFERENCE
LAD 092 681 824-OP-RN-1
AI#3400

DOCUMENT TYPE	APPLICATION /DOCUMENT DATE	ELECTRONIC DATABASE MANAGEMENT SYSTEM (EDMS) DOCUMENT ID[1]	COMMENTS
Contingency Plan	06/02/2008	36926841	Renewal Application Volume IV: Appendix 1513
Closure Plan	06/02/2008	36926841	Renewal Application Volume IV: Appendix 3509, pages 1 - 22
Closure Cost Estimate	06/02/2008	36926841	Renewal Application Volume IV: Appendix 3509, Attachment 5, pages 1 - 11
Waste Analysis Plan	06/02/2008	36926841	Renewal Application Volume IV: Appendix 1519.B
Personnel Training Plan	06/02/2008	36926841	Renewal Application Volume IV: Appendix 1515
Security Plan	06/02/2008	36926841	Renewal Application Volume IV: LAC 33:V.517.F, page 9; Appendix 1507, 1509
Inspection Plan	06/02/2008	36926841	Renewal Application Volume IV: Appendix 1509
Financial Assurance for Liability, Closure	03/28/2008	Financial Assurance File[2]	Renewal Application Volume IV: Appendix 3707

[1] Electronic Database Management System (EDMS) location:
http://edms.deq.louisiana.gov/app/doc/view.aspx?doc=36926841&child=yes

[2] Financial Assurance File located at LDEQ; Fiscal Services Division.