

FACT SHEET

FACT SHEET

FOR THE DRAFT HAZARDOUS WASTE POST-CLOSURE PERMIT
PREPARED FOR

BASF Corporation
Geismar Facility
Secondary Wastewater Treatment Facility

EPA ID# LAD040776809
Agency Interest # 2049

P.O. Box 457
Geismar, Louisiana
Ascension Parish

Permit Number LAD040776809-PC-1
PER20060036

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 BASF Corporation, EPA ID Number LAD040776809, Agency Interest Number 2049, for the facility located in Geismar, Ascension Parish, Louisiana.

The Louisiana Department of Environmental Quality (LDEQ) has prepared this proposed draft hazardous waste permit for post-closure 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).

BASF Corporation is seeking an initial hazardous waste post-closure permit governing the post-closure care of the Secondary Wastewater Treatment Facility at the Geismar facility.

II. THE PERMITTING PROCESS

The purpose of this fact sheet is to initiate the permit decision process. The LDEQ's Waste Permits Division is required to prepare this draft hazardous waste permit. The draft hazardous waste permit sets forth all the applicable conditions, which the permittee is required to comply with during the life of the permit. BASF Corporation submitted its hazardous waste Part B post-closure permit application, dated November 9, 2006, to comply with the Environmental Protection Agency (EPA) regulations requiring post-closure care for facilities that are permitted to treat, store or dispose of hazardous waste under Subtitle C of the Resource Conservation and Recovery Act (RCRA).

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 post-closure 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 post-closure permit in accordance with LAC 33:V.705.

A. NEW DRAFT HAZARDOUS WASTE PERMIT

The administrative authority reviewed the permit application and other pertinent technical information, and prepared a draft permit that contains the language that pertains to the post-closure care of the listed facilities.

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 the BASF Corporation, Geismar facility must do so within 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 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 1-127, 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 to 4:30 p.m., Monday through Friday (except holidays).

In addition, a copy of the draft post-closure permit, fact sheet, and supporting documents are available for review at the Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737.

D. WRITTEN COMMENT SUBMISSION

Interested persons may submit written comments on the draft post-closure permit to the administrative authority, at the address listed below, by 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, requests for public hearings, further requests for information (including copies of this decision and 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:

Mr. Willard F. Steele
Louisiana Department of Environmental Quality
Office of Environmental Services
Waste Permits Division
Post Office Box 4313
Baton Rouge, LA 70821-4313
(225) 219-3050 or fax (225) 219-3158

III. DESCRIPTION OF OVERALL SITE

The BASF Geismar facility began operation in 1958. The Geismar facility occupies 2126 acres of land, of which approximately 500 acres are in use. BASF employs 739 people at the Geismar facility and 364 contract employees for a total workforce of 1103 people. BASF manufactures a wide range of chemical products, including acetylene, amine compounds, aniline, surfactants, and toluene diisocyanate. BASF is located within an area that is zoned industrial. In the immediate vicinity of BASF are Lion Copolymer, Shell Chemical Company, Hexion Specialty Chemicals, Rubicon, and Vulcan Chemicals.

IV. HAZARDOUS WASTE FACILITIES

BASF Corporation submitted its Post-Closure Permit Application for the Secondary Wastewater Treatment Facility. The Secondary Wastewater Treatment Facility was closed in accordance with an approved closure plan and closure was completed on November 28, 1995. The proposed post-closure permit will enable the performance of maintenance, groundwater monitoring and corrective action activities on the permitted unit.

The Secondary Wastewater Treatment Facility was a 9.5 acre system of lined surface impoundments used for wastewater treatment. The Hazardous and Solid Waste Amendments of 1984 required that BASF Corporation meet the minimal technology requirements (MTR) for land-based hazardous waste treatment or closure of the unit. Due to the fact that upgrade of the impoundments to meet the MTR was economically infeasible, BASF opted to build a new aboveground facility and close the unit.

The original Part I/II permit application to close the unit was filed with LDEQ and EPA on September 25, 1991. BASF later filed a revised closure/post-closure plan with LDEQ and EPA to pursue closure on October 22, 1993. EPA had authority at that time over the HSWA amendments. BASF received written approval of the plan from EPA on November 20, 1994, and certification of closure was completed on November 28, 1995. Thus, the post-closure closure care period lasting thirty (30) years began on November 28, 1995.

The Secondary Wastewater Treatment Facility was closed by removal of waste material from the impoundment. Materials that remained contained trace amounts of contamination including chlorobenzene. Remaining material was encased in concrete. The unit was then filled to grade with clay, and a grass cover was grown over the unit. The closure/post-closure plan addressed continued groundwater monitoring and corrective action at the unit. The corrective action system consists of two recovery wells and one French drain for the recovery of contaminated groundwater. Ten detection wells are for the assessment of the corrective action system and the unit.

V. FINANCIAL AND LIABILITY REQUIREMENTS

The applicant has provided financial assurance of post-closure care in the form of a letter of credit and in accordance with LAC 33:V.Chapter 37, the approved post-closure plan and the most recent post-closure cost estimate for the unit.

VI. IT QUESTION SUMMARY OF ANALYSIS

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 certain factors in the draft decision of this post-closure permit. This is a preliminary analysis based on the 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.**

BASF submitted its permit renewal application for the above listed hazardous waste post-closure unit, the Secondary Wastewater Treatment Facility. The unit does not actively manage hazardous waste but is currently in post-closure care.

The permit does not propose the alteration of waste classifications, codes or characteristics. The design and operating procedures associated with the above-listed unit 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 post-closure care of the Secondary Wastewater Treatment Facility. 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 post-closure permit should not promote the need for additional fire protection, police, medical facilities, or roads.

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

The Secondary Wastewater Treatment Facility is closed. Waste material was removed from the Secondary Wastewater Treatment Facility; however, clean closure was not achieved and post-closure care was necessary since soil and groundwater

contamination existed at and around the unit. Monochlorobenzene is the constituent of concern for the contamination. Thus, groundwater monitoring and corrective action were implemented through the Closure/Post-Closure Plan to prevent the migration of contaminated material and promote the remediation of monochlorobenzene in and around the unit. The post-closure permit will be the enforceable document to govern the post-closure activities at the Secondary Wastewater Treatment Facility. Under the post-closure permit, BASF may implement new corrective action projects at the Secondary Wastewater Treatment Facility with the approval of the Administrative Authority. No alternative projects exist at this time that offer more protection to the environment.

**SIGNATURE
PAGE**

DRAFT

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**HAZARDOUS WASTE POST-CLOSURE PERMIT
SECONDARY WASTEWATER TREATMENT FACILITY**

PERMITTEE: BASF CORPORATION

PERMIT NUMBER: LAD040776809-PC-1
Agency Interest # 2049/ Activity # 20060036

FACILITY LOCATION: P.O. BOX 457,
GEISMAR, LOUISIANA 70734-0457

This permit is issued by the Louisiana Department of Environmental Quality (LDEQ) under the authority of the Louisiana Hazardous Waste Control Law 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 BASF Corporation, (hereafter called the Permittee), to operate a hazardous waste Treatment, Storage and Disposal (TSD) facility located at Geismar, Louisiana, at latitude 30° 12' 037" and longitude 91° 00' 054."

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 as specified in the permit. 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 that 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.

Post-closure requirements of LAC 33:V. Subchapter B must continue for at least thirty (30) years after the date of closure for those units listed in Section III.O.1 of this permit. Expiration of this permit does not relieve the permittee of the responsibility to reapply for a permit for the remainder of the thirty (30) year post-closure care period.

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 or the assistant 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

Cheryl Sonnier Nolan, Assistant Secretary
Louisiana Department of Environmental Quality

Date

**PUBLIC
PARTICIPATION**

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
BASF CORPORATION, GEISMAR FACILITY
SECONDARY WASTEWATER TREATMENT FACILITY
PUBLIC HEARING AND REQUEST FOR PUBLIC COMMENT ON A
HAZARDOUS WASTE POST-CLOSURE PERMIT

The LDEQ, Office of Environmental Services, will conduct a public hearing to receive comments on the Draft Hazardous Waste Post-Closure Permit for BASF Corporation, P.O. Box 457, Geismar, Louisiana 70734-0457 for the Secondary Wastewater Treatment Facility. **The facility is located at 8404 River Road, Geismar, Ascension Parish.**

The hearing will be held on **Thursday, September 3, 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.

BASF Corporation proposes to manage post-closure care for the Secondary Wastewater Treatment Facility. The Secondary Wastewater Treatment Facility is a closed surface impoundment. BASF is currently maintaining the post-closure care and groundwater monitoring at the unit. The proposed permit will formalize the post-closure care standards and create enforceable standards that BASF must meet.

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., Tuesday, September 8, 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 post-closure 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 Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel LA 70776 and the Ascension Parish Library, Gonzales Branch, 708 South Irma Boulevard, Gonzales LA 70737.

Individuals with a disability, who need an accommodation in order to participate in the public hearing, should contact Laura Ambeau at the above address or by phone at (225) 219-3277.

Inquiries or requests for additional information regarding this permit action should be directed to Will F. Steele, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3050.

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 deqmailrequest@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 2049, Permit Number LAD040776809-PC-1, and Activity Number PER20060036.

Scheduled Publication Date: July 14, 2009

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/9/2009

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
BASF Corp - Geismar Site
AI2049, PER20060036, Permit Number LAD040776809-PC-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 Tuesday, July 14, 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. Laura Ambeau at (225) 325-8157.

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. Laura Ambeau at (225) 325-8157 immediately upon publication. If the notice cannot be published on the date requested, please call me at (225) 219-3277 or email:

Charges for this service should be billed to:

Mr. Eric J. Hillman, EHS Specialist
BASF Corp - Geismar Site
Post Office Box 457
Geismar, LA 70734-0457
Telephone: (225) 339-2043

The official proof of publication in the form of a tear sheet and invoice should be mailed to the attention of Ms. Laura Ambeau, 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,

Laura Ambeau

Laura Ambeau
Environmental Scientist, Public Participation Group

LA
Attachments

VERIFICATION BY NEWSPAPER

The undersigned verifies that the following public notice was published on the _____
(date of publication) edition of The Advocate:

RE: Request For Public Comments On a Public Hearing
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana

The Advocate:

By: _____ Date: _____

Please complete and return this form promptly to the address listed below:

**Laura Ambeau
Louisiana Department of Environmental Quality
Office of Environmental Services
Permits Support Services Division
P.O. Box 4313
Baton Rouge, LA 70821-4313
PHONE (225) 219-3277
FAX (225) 325-8157**

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/9/2009

Telephone: (225) 647-4569

Fax: (225) 644-8238

Email: publicnotices@weeklycitizen.com

Ms. Penny Martinez
Legal Advertising
Gonzales Weekly Citizen – For Tuesday
P.O. Box 430
Gonzales, LA 70707-0430

**RE: Request For Public Comments On a Public Hearing
BASF Corp - Geismar Site
AI2049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana**

Dear Ms. Martinez:

Please publish the attached legal notice regarding the above referenced facility as a regular legal ad in the Gonzales Weekly Citizen - For once only on Tuesday, July 14, 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. Laura Ambeau at (225) 325-8157.

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. Laura Ambeau at (225) 325-8157 immediately upon publication. If the notice cannot be published on the date requested, please call me at (225) 219-3277 or email:

Charges for this service should be billed to:

Mr. Eric J. Hillman, EHS Specialist
BASF Corp - Geismar Site
Post Office Box 457
Geismar, LA 70734-0457
Telephone: (225) 339-2043

The official proof of publication in the form of a tear sheet and invoice should be mailed to the attention of Ms. Laura Ambeau, 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,

Laura Ambeau

Laura Ambeau
Environmental Scientist, Public Participation Group

LA
Attachments

VERIFICATION BY NEWSPAPER

The undersigned verifies that the following public notice was published on the _____ (date of publication) edition of The Gonzales Weekly Citizen - For:

RE: Request For Public Comments On a Public Hearing
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana

The Gonzales Weekly Citizen - For:

By: _____ Date: _____

Please complete and return this form promptly to the address listed below:

Laura Ambeau
Louisiana Department of Environmental Quality
Office of Environmental Services
Permits Support Services Division
P.O. Box 4313
Baton Rouge, LA 70821-4313
PHONE (225) 219-3277
FAX (225) 325-8157

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

July 07, 2009

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
BASF Corp - Geismar Site
AI2049, PER20060036, Permit Number LAD040776809-PC-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 Tuesday, July 14, 2009.

Charges for this announcement should be billed to:

Mr. Eric J. Hillman, EHS Specialist
BASF Corp - Geismar Site
Post Office Box 457
Geismar, LA 70734-0457
Telephone: (225) 339-2043

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) 219-3277.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Laura Ambeau".

Laura Ambeau
Environmental Scientist
Public Participation Group

/la
Attachment

VERIFICATION BY RADIO STATION

The undersigned verifies that the announcement was broadcast on _____ as requested for:

RE: Request For Public Comments On a Public Hearing
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana

Citadel Broadcasting, 103.3

Signed: _____ Date: _____

Please complete and mail or fax this form promptly to the address listed below:

Ms. Laura Ambeau
Louisiana Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, La. 70821-4313
FAX: (225) 325-8157

**LDEQ
RADIO ANNOUNCEMENT
DRAFT HAZARDOUS WASTE POST-CLOSURE PERMIT**

The LDEQ, Office of Environmental Services, will conduct a public hearing to receive comments on the draft hazardous waste post-closure permit for BASF Corporation, P.O. Box 457, Geismar, Louisiana for the Geismar Facility - Secondary Wastewater Treatment Facility. **The facility is located at 8404 River Road, Geismar, Ascension Parish.**

The hearing will be held on Thursday, September 3, 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 Tuesday, September 8, 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 14, 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

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
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-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 Laura Ambeau, LDEQ-OES, Permit Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8157. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3277.

Sincerely,

Laura Ambeau

Laura Ambeau
Environmental Scientist, Public Participation Group

LA

Attachments/

VERIFICATION BY LIBRARY

The undersigned verifies that Ascension Parish Library - Gonzales-Business Office , 708 S Irma Blvd, Gonzales, LA has received a copy of the Public Hearing permit associated with the following public notice:

RE: Request For Public Comments On a Public Hearing
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana

Ascension Parish Library - Gonzales-Business Office

By: _____ Date: _____

Please complete and return this form promptly to the address listed below:

**Laura Ambeau
Louisiana Department of Environmental Quality
Office of Environmental Services
Permit Support Services Division
P.O. Box 4313
Baton Rouge, LA 70821-4313
PHONE (225) 219-3277
FAX (225) 325-8157**



BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

7/10/2009

Telephone: 225-642-8380
Fax:

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
BASF Corp - Geismar Site
AI2049, PER20060036, Permit Number LAD040776809-PC-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 Laura Ambeau, LDEQ-OES, Permit Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8157. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3277.

Sincerely,

Laura Ambeau

Laura Ambeau
Environmental Scientist, Public Participation Group

LA

Attachments/



BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

7/13/2009

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
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana

Dear Mr. Martinez:

The Louisiana Department of Environmental Quality (LDEQ) is requesting public comments regarding permitting actions for the BASF Corp - Geismar Site, 8404 River Rd (Hwy 75), 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:

Citadel Broadcasting, 103.3
Gonzales Weekly Citizen - For
Advocate

Tuesday, July 14, 2009
Tuesday, July 14, 2009
Tuesday, July 14, 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. 2049

Should you have any questions, additional permit information may be obtained from Will Steele, 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 Laura Ambeau, LDEQ, Permit Support Services Division, Permit Support Section, at (225) 219-3277

Please complete the attached 'Verification of Receipt' and mail to Laura Ambeau, LDEQ-OES, Permit Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8157. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3277.

Sincerely,

Laura Ambeau
Environmental Scientist, Public Participation Group

LA

Attachments/

VERIFICATION BY PARISH GOVERNMENT

The undersigned verifies that Ascension Parish, 208 E. Railroad Ave, Gonzales, LA, LA has received a copy of the Public Hearing permit associated with the following public notice:

RE: Request For Public Comments On a Public Hearing
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana

Ascension Parish

By: _____ Date: _____

Please complete and return this form promptly to the address listed below:

Laura Ambeau
Louisiana Department of Environmental Quality
Office of Environmental Services
Permits Support Services Division
PO Box 4313
Baton Rouge, LA 70821-4313
PHONE (225) 219-3277
FAX (225) 325-8157



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
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-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 Laura Ambeau, at (225) 325-8157. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3277.

Sincerely,

Laura Ambeau
Environmental Scientist, Public Participation Group

LA

Attachments/

VERIFICATION BY REGIONAL OFFICE

The undersigned verifies that Capital Regional Office, P.O. Box 4312, Baton Rouge, LA has received a copy of the Public Hearing permit associated with the following public notice:

RE: Request For Public Comments On a
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana

Capital Regional Office

By: _____ Date: _____

Please complete and fax this form promptly to the fax number listed below:

**Laura Ambeau
Office of Environmental Services
Public Participation Group
PHONE (225) 219-3277
FAX (225) 325-8157**



BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

7/13/2009

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
BASF Corp - Geismar Site
AI2049, PER20060036, Permit Number LAD040776809-PC-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:

Citadel Broadcasting, 103.3

Tuesday, July 14, 2009

Gonzales Weekly Citizen - For

Tuesday, July 14, 2009

Advocate

Tuesday, July 14, 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. 2049

Should you have any questions, additional permit information may be obtained from Will Steele, 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) 219-3277

Please complete the attached 'Verification of Receipt' and mail to Laura Ambeau, LDEQ-OES, Permit Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8157. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3277.

Sincerely,

Laura Ambeau

Laura Ambeau
Environmental Scientist, Public Participation Group

LA

Attachments/ Post Office Box 4313 • Baton Rouge, Louisiana 70821-4313 • Phone 225-219-3181 • Fax 225-219-3309

www.deq.louisiana.gov

VERIFICATION BY EPA

The undersigned verifies that Region VI, 1445 Ross Avenue, Dallas, TX has received a copy of the Public Hearing permit associated with the following public notice:

RE: Request For Public Comments On a Public Hearing
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809-PC-1
Geismar, Ascension Parish, Louisiana

EPA Region VI

By: _____ Date: _____

Please complete and return this form promptly to the address listed below:

**Laura Ambeau
Louisiana Department of Environmental Quality
Office of Environmental Services
Permit Support Services Division
PO Box 4313
Baton Rouge, LA 70821-4313
PHONE (225) 219-3277
FAX (225) 325-8157**

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Mr. Eric J. Hillman
BASF Corporation
P.O. Box 457
Geismar, LA 70734-0457

RE: BASF Corporation
Geismar Facility
Draft Hazardous Waste Post-Closure Permit
Secondary Wastewater Treatment Facility
AI 2049/ PER20060036/ LAD 040776809
Permit No. LAD040776809-PC-1

Dear Mr. Hillman:

Enclosed is your copy of the BASF Corporation, Draft Hazardous Waste Post-Closure Permit, LAD 040776809-PC-1, which incorporates language pertaining to the post-closure care and maintenance activities for the Secondary Wastewater Treatment 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. 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 attached public notice.

Prior to taking a final action on the final 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 your Agency Interest Number 2049, EPA Identification Number LAD 040776809, Permit Activity Number PER20060036 and Permit No. LAD040776809-PC-1 on all future correspondence pertaining to this issue. Should you have any questions concerning this matter, please contact Mr. Will F. Steele of the Waste Services Section at (225) 219-3050.

Sincerely,

A handwritten signature in black ink, appearing to read "T. F. Harris".

Thomas F. Harris
Administrator
Waste Permits Division

wfs

Enclosure

VERIFICATION BY FACILITY

The undersigned verifies that the BASF Corporation, Geismar Facility has received a copy of the draft hazardous waste post-closure permit and public notice regarding:

RE: Request For Public Comments On a Public Hearing
BASF Corp - Geismar Site
A12049, PER20060036, Permit Number LAD040776809PC-1
Geismar, Ascension Parish, Louisiana

BASF CORPORATION, GEISMAR FACILITY

By: _____ Date: _____

Please complete and return this form promptly to the address listed below:

Ms. Laura Ambeau
Louisiana Department of Environmental Quality
Office of Environmental Services
Environmental Assistance Division
PO Box 4313
Baton Rouge, LA 70821-4313
Phone (225) 219-3277

FAX (225) 325-8157

PART A
APPLICATION

EPA ID NO: 1 L 1 A 1 D 1 1 0 1 4 1 0 1 1 7 1 7 1 6 1 1 8 1 0 1 9 1

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: Robert	MI: M.	Last Name: Conger									
	Phone Number: 225-339-7941		Phone Number Extension:									
2. Facility Permit Contact Mailing Address (See Instructions on page 23)	Street or P.O. Box: Post Office Box 457											
	City, Town, or Village: Geismar											
	State: Louisiana											
	Country: USA	Zip Code: 70734-0457										
3. Operator Mailing Address and Telephone Number (See Instructions on page 23)	Street or P.O. Box: 100 Campus Drive											
	City, Town, or Village: Florham Park											
	State: New Jersey											
	Country: USA	Zip Code: 07932	Phone Number: 973-245-6000									
4. Legal Owner Mailing Address and Telephone Number (See Instructions on page 23)	Street or P.O. Box: 3000 Continental Drive											
	City, Town, or Village: Mt. Olive											
	State: New Jersey											
	Country: USA	Zip Code: 07828-1234	Phone Number 973-245-6000									
5. Facility Existence Date (See Instructions on page 24)	Facility Existence Date (mm/dd/yyyy): 09/25/1990											
6. Other Environmental Permits (See Instructions on page 24)												
A. Permit Type (Enter code)	B. Permit Number							C. Description				
U	G	D	-	0	0	5	-	1	4	2	5	Underground Injection Control
E	2	5	2	6	-	V	2					Acetylene
E	2	0	2	8	-	V	3					Specialty Amines (includes S-MOIPA)
E	2	0	4	4	(M	-	1)			Aniline 1
E	2	3	3	2								MNB Tank (TK-516)
7. Nature of Business (Provide a brief description; see instructions on page 24)												
BASF is a manufacturer of organic chemicals.												

EPA ID NO: I L I A I D I I 0 1 4 I 0 I I 7 I 7 I 6 I I 8 I 0 I 9 I

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

6. Other Environmental Permits (See instructions on page 24) (Continued from Page 1)														
A. Permit Type (Enter code)	B. Permit Number												C. Description	
E	2	0	7	4										Aniline Incinerator
E	2	5	5	8	-	V	0							Aniline II
E	2	3	5	3	-	V	0							Diols/Intermediates
E	2	4	5	9	-	V	3							EO/EG (EO/EG, Gasoline Additives)
E	2	0	9	4	-	V	0							Glyoxal
E	2	3	3	4	-	V	0							MDI I
E	2	5	5	9	-	V	2							MDI II
E	2	0	3	9	-	V	0							NVP/PVP
E	2	4	2	7	-	V	0							Polyols/CCU
E	2	5	8	2	-	V	2							Surfactants
E	2	5	4	3	-	V	0							TDI
E	2	2	6	5	-	V	3							Utilities (includes WWTP)
E	2	5	6	4	-	V	1							Utilities Boilers 3&6
E	L	A	0	0	0	2	9	5	0					LPDES Water
E	P	-	0	1	8	4	R	2						Diols Solid Waste Incinerator
R	LAD	0	4	0	7	7	6	8	0	9	OP	RN	1	RCRA - Consolidated
R														
R														
E														
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EPA ID NO: ILAID110141017171611810191

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

8. 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	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
D79	<u>Disposal:</u> Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	<u>Treatment (continued):</u> Cement Kiln	For T81-T93:
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	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
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln	
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	
D99	Other Disposal	Any Unit of Measure in Code Table Below	T86	Blast Furnace	
S01	<u>Storage:</u> Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T87	Smelting, Melting, or Refining Furnace	Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S03	Waste Pile	Cubic Yards or Cubic Meters	T89	Methane Reforming Furnace	
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T90	Pulping Liquor Recovery Furnace	
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards	T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid Halogen Acid Furnaces	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T92	Other Industrial Furnaces Listed In 40 CFR §260.10	
S99	Other Storage	Any Unit of Measure in Code Table Below	T93		
T01	<u>Treatment:</u> Tank Treatment	Gallons Per Day; Liters Per Day	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
T02	Surface Impoundment	Gallons Per Day; Liters Per Day	X01	<u>Miscellaneous (Subpart X):</u> Open Burning/Open Detonation	Any Unit of Measure in Code Table Below
T03	Inclinator	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	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
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	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
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; 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	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons.....	G	Short Tons Per Hour.....	D	Cubic Yards.....	Y
Gallons Per Hour.....	E	Metric Tons Per Hour.....	W	Cubic Meters.....	C
Gallons Per Day.....	U	Short Tons Per Day.....	N	Acres.....	B
Liters.....	L	Metric Tons Per Day.....	S	Acre-feet.....	A
Liters Per Hour.....	H	Pounds Per Hour.....	J	Hectares.....	Q
Liters Per Day.....	V	Kilograms Per Hour.....	R	Hectare-meter.....	F
		Million Btu Per Hour.....	X	Btu Per Hour.....	R

EPA ID NO: 1 L 1 A 1 D 1 1 0 1 4 1 0 1 1 7 1 7 1 6 1 1 8 1 0 1 9 1

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

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		(2) Unit of Measure (Enter code)	C. Process Total Number of Units	For Official Use Only					
	(1) Amount (Specify)												
X 1	S	0	2	533	788	G	001						
1	S	0	4	*Unit is in Post-Closure Care			001						
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

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		(2) Unit of Measure (Enter code)	C. Process Total Number of Units	D. Description of Process
	(1) Amount (Specify)							
X 2	T	0	4	100	000	U	001	In-situ Vitrification

EPA ID NO: 1L1A1D1014101717161810191

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

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:

- Enter the first two as described above.
- Enter .000" in the extreme right box of Item 10.D(1).
- 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:

- 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.
- 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.
- 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	5	0	3	D	8	0								
X	4	D	0	0	2																Included With Above

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**BODY
OF PERMIT**

**DRAFT
HAZARDOUS WASTE POST-CLOSURE PERMIT**

**BASF CORPORATION
SECONDARY WASTEWATER TREATMENT FACILITY
EPA ID# LAD 040 776 809
Agency Interest# 2049**

**Ascension Parish
Geismar, Louisiana
PER20060036
Permit Number LAD040776809-PC-1**

I. PERMIT PREAMBLE

This permit is issued to BASF 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 issuance of this permit. Except as provided by LAC 33:V.307.A., 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 Louisiana Department of Environmental Quality or his/her designee (including appropriate assistant secretary).

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

“Area of Concern” (AOC) means any discernable unit or area which, in the opinion of the Administrative Authority, may have received solid or hazardous waste or waste containing hazardous constituents at any time. The Administrative Authority may require investigation of the unit to determine if it is a Solid Waste Management Unit (SWMU). If shown to be a SWMU by the investigation, the AOC must be reported by the Permittee as a newly-identified SWMU.

“Area of Investigation” (AOI) is a zone contiguous to and including impacted media defined vertically and horizontally by the presence of one or more constituents in concentrations exceeding the limiting SS, MO-1 RS, or MO-2 RS (depending on the option being implemented).

“Constituents of Concern” (COC) means the COPCs that pose a significant risk.

“Constituents of Potential Concern” (COPC) means chemicals from hazardous waste and hazardous waste constituents that are potentially site related and have data of quality for use in the Screen or a site-specific risk assessment. The facility should compile a list of COPCs for each release site based on existing sampling data, waste analysis reports, etc.

“Conceptual Site Model” (CSM) is part of the Data Quality Objective (DQO) process that presents a three-dimensional picture of site conditions at a discrete point in time that conveys what is known about the facility, releases, release mechanisms, contaminant fate and transport, exposure pathways, potential receptors, and risks. The information for the CSM is documented into six profiles. The CSM evolves as data gaps in the profiles become more complete, and will be refined based upon results of site characterization data. The final CSM is documented in the Risk Management Plan (RMP).

“CWA” means Clean Water Act, 33USC§1251 et seq.

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

“Dense Non-aqueous Phase Liquid (DNAPL)” a dense liquid not dissolved in water, commonly referred to as “free product.”

“Department” means the Louisiana Department of Environmental Quality (LDEQ).

“EPA” means the United States Environmental Protection Agency.

“Facility” means, for the purpose of conducting corrective action under LAC 33:V.3322, all the contiguous property under the control of the Permittee.

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

“Hazardous 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.

“Light Non-aqueous Phase Liquid (LNAPL)” a light liquid not dissolved in water, commonly referred to as “free product.”

“Newly-discovered Release” any release(s) of hazardous waste, including hazardous 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. A minimum list of documents that must be included in the operating record are identified at LAC 33:V.1529.B.

“Permittee” means BASF Corporation 3000 Continental Drive, Mt. Olive, New Jersey, 07828-1234, for the Geismar Facility, P.O. Box 457, Geismar, Louisiana 70734-0457.

“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 this 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 conduct post-closure care activities associated with the Secondary Wastewater Treatment Facility in accordance with the conditions of this permit and LAC 33:V.2911.B.2. 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, LAC 33:V.Subpart 1, except for those requests 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), La. R.S. 30:2001 et. seq. However, compliance with the terms of this permit does not constitute a defense to any order issued or any action brought under Section 3013 or Section 7003 of RCRA, or under Section 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 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. Any permit noncompliance, other than noncompliance authorized by an emergency permit (LAC 33:V.701), 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 Appendix I of 40 CFR Part 261. Laboratory methods must be those specified in Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, "SW-846", latest revision; Manual of Groundwater Quality Sampling Procedures, 1981, EPA-600/2-81-160, as revised; Procedures Manual for Groundwater Monitoring at Solid Waste Disposal Facilities, 1977, EPA-530/SW-611, as revised; or an equivalent method.

II.E.9.b. Records of monitoring information, in accordance with LAC 33:V.309.J.3, shall include but be limited to:

II.E.9.b.(1) the date, exact place, and time of sampling or measurements;

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;

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 LDEQ 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 LDEQ.

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: <http://www.deq.louisiana.gov/portal/tabid/2412/Default.aspx>.

In accordance with LAC 33:I.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 LDEQ;
- required to be included in a monitoring report submitted to the LDEQ;
- required to be submitted by contract; or
- otherwise required by the LDEQ regulations.

II.E.9.c.(2) If the Permittee decides to use their own in-house laboratory for test and analysis, the laboratory is not required to be accredited by LELAP. However, the laboratory must document and submit quality assurance/quality control procedures that are commensurate with requirements in LAC 33:I.Subpart 3 Laboratory Accreditation.

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 from all groundwater monitoring wells and associated groundwater surface elevations for the active life of the facility and for the post-closure care period.

The Permittee shall maintain records through the active life of the facility and the post-closure care period 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 a closed unit being modified, the Permittee may not manage hazardous waste in the modified portion of the closed unit until:

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, 1531.D and LAC 33:I.Chapter 19.

The Permittee's failure to notify the new owner or operator of the requirements of LAC 33:V.Subpart 1 and LAC 33:I.Chapter 19 in no way relieves the new owner or operator of his obligation to comply with all applicable requirements.

Changes in the ownership or operational control of a facility shall be made with written notification to the Office of Environmental Services. The new owner or operator shall submit a Name/Ownership/Operator Change Form (NOC-1 Form) prior to or no later than forty-five (45) days after the change. The Administrative Authority may initiate action to terminate or revoke an existing media permit for a failure to disclose a change of ownership or operational control within forty-five (45) days after the change, in

accordance with LAC 33:I.1909.B. The previous Permittee and the new Permittee must comply with all applicable requirements of LAC 33:I.1909.

II.E.15. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date (LAC 33:V.309.L.6).

II.E.16. Emergency Unauthorized Discharge Notification

In accordance with LAC 33:I.3915, in the event of an unauthorized discharge 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 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 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 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 for any unauthorized discharge that requires 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, Condition II.E.17 and Condition II.E.18 for confirmed releases to the groundwater 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 not reported under Condition II.E.20 of this permit. 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.

II.E.22. Other Noncompliance

The Permittee shall report all other instances of noncompliance not otherwise required to be reported above, at the time required monitoring reports are submitted. The reports shall contain the information listed in Condition II.E.20 of this permit.

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 as required by LAC 33:V.309.L.12.

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. Schedule of Compliance

The Permittee must submit a revised post-closure care plan within sixty (60) days of the effective date of this permit to meet the requirements in Condition VI.G of this permit. The plan may be submitted for consideration as a Class I modification to this permit.

II.E.26. Additional Operating Standards

(RESERVED)

II.E.27. Updated Documents to Be Submitted Prior to Operation

(RESERVED)

II.E.28. Documents to Be Maintained at Facility Site

II.E.28.a. Until post-closure is completed and certified by an independent registered professional engineer, the Permittee shall maintain at the facility 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.28.a.(1) Waste Analysis Plan submitted in accordance with LAC 33:V.1519 and approved by the Administrative Authority (see Attachment 1).

II.E.28.a.(2) Personnel Training Plan and training records as required by LAC 33.V.1515 (see Attachment 1).

II.E.28.a.(3) Security Plan submitted in accordance with LAC 33:V.1507 and 1513 (see Attachment 1).

II.E.28.a.(4) Contingency Plan submitted in accordance with LAC 33:V.1513 (see Attachment 1).

II.E.28.a.(5) Arrangements with the local authorities in accordance with LAC 33:V.1511.G (see Attachment 1).

II.E.28.a.(6) Post-Closure Plan submitted in accordance with LAC 33:V.3523 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). The Post-Closure Plan addresses the corrective action and final remedy at the Secondary Wastewater Treatment Facility including the applicable sampling and analysis requirements (see Attachment 1).

II.E.28.a.(7) Cost estimate for facility post-closure care and corrective action submitted in accordance with LAC 33:V.3709 and 3301.B respectively and approved by the Administrative Authority, as well as any revised cost estimate that may be required initially or through permit modifications in accordance with LAC 33:V.3709.

II.E.28.a.(8) Operating records in accordance with LAC 33:V.1529.

II.E.28.a.(9) 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.28.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.29. Annual Report

An annual report shall be submitted covering all hazardous waste units and their activities during the previous calendar year as required by LAC 33:V.1529.D.

II.E.30. Manifest

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

II.E.31. 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.32. Water Discharges

Water discharges, if any, must be in conformity with effluent limitations established by the Clean Water Act operating under a National Pollutant Discharge Elimination Systems (NPDES) permit and reported as required by that permit in accordance with LAC 33:V.1505.A.1.

II.E.33. Non-Listed Hazardous Waste Facilities

This permit is issued for those hazardous waste facilities listed in Condition IV (Permitted Closed Facilities). If the Permittee determines that an unpermitted hazardous waste facility exists, the Permittee must immediately notify the Administrative Authority in accordance with Condition II.E.23 of this Permit.

II.E.34. Compliance with Land Disposal Restrictions

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

II.E.35. 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.36. 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 regardless of the operational status of the facility.

II.E.37. 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 POST-CLOSURE CONDITIONS

III.A. DESIGN AND OPERATION OF THE POST-CLOSURE UNIT

III.A.1. The Permittee must maintain the unit referenced in Condition IV, Table 1 to minimize the possibility of a fire, explosion, or any unauthorized sudden or nonsudden release of hazardous waste or hazardous waste constituents to air, soil, or water that could threaten human health or the environment.

III.A.2. The Permittee must not dispose of any new wastes in the unit referenced in Condition IV, Table 1.

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.

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.D. SECURITY

The Permittee must comply with the security provisions of LAC 33:V.1507 and Attachment 1.

III.E. GENERAL INSPECTION REQUIREMENTS

The Permittee must follow the Inspection Plan referenced in Condition II.E.28.a.(9) and 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.A and B, and 3523.B.

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.

III.H. LOCATION STANDARDS

III.H.1. The Permittee has furnished evidence 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 LDEQ prior to any hazardous waste and/or hazardous waste units being placed thereon.

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

The Permittee must manage run-on and run-off resulting from the maximum rainfall in twenty-four (24) hours from a 25-year storm in accordance with LAC 33:V.1503.B.2.

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.1 and 1511.E.2.

III.K.4. 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.

III.N.2. Annual Report

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

III.N.3. Operations Manual

(RESERVED)

III.O. POST-CLOSURE

III.O.1. Post-Closure Care

The Permittee must manage the Secondary Wastewater Treatment Facility in accordance with this permit, LAC 33:V. Chapter 35, Subchapter B and LAC 33:V.2911.

III.O.2. Amendment to Post-Closure Permit

The Permittee must request modification of this post-closure permit when necessary, in accordance with LAC 33:V.3523.D and LAC 33:V.321.

III.O.3. Post-Closure Maintenance

The Permittee must comply with all post-closure requirements contained in LAC 33:V.3519 through 3527, including maintenance and monitoring throughout the post-closure care period specified in LAC 33:V.3521.A.1. The Permittee must maintain all units in post-closure according to the requirements in Condition V.B.

III.O.4. Post-Closure Restrictions

The Administrative Authority may require, at partial and final closure, continuation of any of the security requirements of LAC 33:V.1507, during part or all of the post-closure care period when access by the public or domestic livestock may pose a hazard to human health.

III.O.5. Post-Closure Property or Site Use

III.O.5.a. Post-closure use of property on or in which hazardous wastes remain after partial or final closure must never be allowed to disturb the integrity of the final cover, liner(s), or any other components of the containment system, or the function of the permitted closed unit's monitoring systems, unless the Administrative Authority finds that the disturbance:

III.O.5.a.(1) is necessary to the proposed use of the property, and will not increase the potential hazard to human health or the environment; or

III.O.5.a.(2) is necessary to reduce a threat to human health or the environment.

III.O.5.b. Any post-closure activity other than that specified in this permit must have prior approval of the Administrative Authority.

III.O.6. Post-Closure Contact

The Permittee must provide the name, address, and phone number of the person or office to contact about the permitted post-closure units during the post-closure care period.

III.O.7. Certification of Completion of Post-Closure Care

No later than sixty (60) days after completion of the established post-closure care period for the specified unit, the Permittee must submit to the Administrative Authority, by registered mail, a certification that the post-closure care period for the hazardous waste disposal unit(s) was performed in accordance with the specifications in the approved post-closure plan. The certification must be signed by the Permittee and an independent registered professional engineer. Within sixty (60) days after receipt of the certification the Administrative Authority will notify the owner or operator that he is no longer required to maintain financial assurance for post-closure care of that unit, unless the Administrative Authority has reason to believe that post-closure care was not conducted in accordance with the approved post-closure plan.

The certification of post-closure care shall include the certification statement found in the LAC 33:V.513.A or the current certification statement in the Louisiana hazardous waste regulations at the time of completion of post-closure care.

III.P. COST ESTIMATES FOR POST-CLOSURE CARE AND CORRECTIVE ACTION

III.P.1. The Permittee must maintain cost estimates for the post-closure care and for corrective action remedy implementation and maintenance for the permitted and associated structures as required by LAC 33:V.3709 and 3301.B.

III.P.2. The Permittee must maintain and adjust cost estimate(s) for inflation, as specified in LAC 33:V.3709.B, C, D, and for other circumstances that increase the cost of post-closure and/or implementation and maintenance of the corrective action remedy.

III.P.3. The Permittee must base all post-closure and corrective action cost estimates on the assumption that a third party contractor will perform post-closure care and corrective action activities in accordance with LAC 33:V.3709.A.

III.P.4. The Permittee must consider the inventory and process conditions and their impact on the post-closure cost estimate for any re-submittal.

III.P.5. During the life of the facility, the Permittee must keep, at the facility, its latest post-closure and corrective action cost estimates, as necessary, to comply with LAC 33:V.3709.D and 3301.B.

III.Q. FINANCIAL ASSURANCE FOR POST-CLOSURE CARE AND CORRECTIVE ACTION

III.Q.1. The Permittee must provide maintain and update its financial assurance mechanism(s), as necessary, to comply with the provisions of LAC 33:V.3711 throughout the post-closure care period.

III.Q.2. The Permittee must maintain and update its financial assurance mechanism(s), as necessary, to cover costs associated with corrective action of the Secondary Wastewater Treatment Facility until the completion of the associated corrective action program.

III.R. LIABILITY REQUIREMENTS

(RESERVED)

III.S. INCAPACITY OF THE PERMITTEE

III.S.1. Pursuant to LAC 33:V.3171.A, the Permittee, and any guarantor of a corporate guarantee specified in LAC 33:V.3707.F. and 3711.F., must immediately notify the Office of Environmental Services by certified mail of the commencement of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), U.S. Code, naming the Permittee or guarantor as debtor, within 10 days after commencement of the proceeding.

III.S.2. Any Permittee 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 60 days after such an event.

III.T. POST-CLOSURE NOTICES

If the Permittee or any subsequent Permittee of the land upon which this hazardous waste disposal unit is located wishes to remove hazardous wastes and hazardous waste residues, the liner or contaminated soils, he must request a modification to the post-closure permit in accordance with the applicable requirements in LAC 33:V. Chapters 3 and 7. The Permittee must demonstrate that the removal of hazardous wastes will satisfy the criteria of LAC 33:V.3521. By removing hazardous waste, the Permittee may become a generator of hazardous waste and must manage it in accordance with all applicable requirements of LAC 33:V. Subpart 1. If he is granted a permit modification or otherwise granted approval to conduct such removal activities, the Permittee may request that the Administrative Authority approve either:

III.T.1. the removal of the notation on the deed to the facility property or other instrument normally examined during title search; or

III.T.2. the addition of a notation to the deed or instrument indicating the removal of the hazardous waste.

IV. PERMITTED CLOSED UNITS

This permit is applicable only to the unit known as the Secondary Wastewater Treatment Facility located on the property of BASF Corporation, Ascension Parish, Louisiana. This permit also applies to any appurtenances associated with this unit. The appurtenances are defined as any run-on/run-off control systems, leachate collection/leak detection systems, tanks, and/or piping and instrumentation associated with the regulated unit. If any additional appurtenances are added in the future, they would be addressed through a permit modification as required by regulation and this permit.

**TABLE 1
INVENTORY AT CLOSURE**

UNIT NAME	UNIT TYPE	CAPACITY
Secondary Wastewater Treatment Facility	Surface Impoundment	Not Applicable

V. PERMIT CONDITIONS APPLICABLE TO PERMITTED CLOSED UNITS

V.A. POST-CLOSURE CARE PERIOD

The post-closure care period will be in effect for the period of thirty (30) years, unless extended or shortened by the Administrative Authority, as specified in LAC 33:V.3521.A.1 and 2.

V.A.1 Secondary Wastewater Treatment Facility: A closure/post-closure plan was approved by EPA Region 6 on November 20, 1994. Certification of closure was completed on November 28, 1995. Thus, the thirty (30) year post-closure requirement began on November 28, 1995.

V.B. POST-CLOSURE MAINTENANCE

The owner or operator must comply with all post-closure requirements contained in LAC 33:V.3519 through 3527 and Condition III.O of this permit, including maintenance and monitoring throughout the post-closure care period specified in the permit under Condition V.A and LAC 33:V.3521.A.1. The owner or operator must:

V.B.1. for all permitted units, maintain the integrity and effectiveness of the final cover, including making repairs as necessary to correct the effects of settling, subsidence, erosion, or other events;

V.B.2. for all permitted units, maintain and monitor the groundwater monitoring system and comply with all other applicable requirements of LAC 33:V.Chapter 33;

V.B.3. for all permitted units, manage a run-on and run-off control system to prevent erosion at and other damage to the final cover;

V.B.4. for all permitted units, maintain the cover with a final cover designed, constructed and maintained to:

V.B.4.a. provide long-term minimization of migration of liquids through the units;

V.B.4.b. function with minimal maintenance at all permitted units;

V.B.4.c. promote drainage and minimize erosion or abrasion of the final cover at all permitted units;

V.B.4.d. accommodate settling and subsidence, as necessary, so that the cover's integrity is maintained for all permitted units; and

V.B.4.e. have a permeability less than or equal to the permeability of any bottom liner system or natural sub-soils present at the units.

V.B.5. The annual report shall include a Post-Closure activity report for the Secondary Wastewater Treatment Facility.

V.C. POST-CLOSURE RESTRICTIONS

The Administrative Authority may require, at partial and final closure, continuation of any of the security requirements of LAC 33:V.1507, during part or all of the post-closure period when access by the public or domestic livestock may pose a hazard to human health.

V.D. POST-CLOSURE USE OF PROPERTY

V.D.1. Post-closure use of property on or in which hazardous wastes remain after partial or final closure must never be allowed to disturb the final cover, liner(s), or any other components of the containment system, or the function of the permitted closed unit's monitoring systems, unless the Administrative Authority find that the disturbance:

V.D.1.a. is necessary to the proposed use of the property and will not increase the potential hazard to human health or the environment; or

V.D.1.b. is necessary to reduce a threat to human health of the environment.

V.D.2. Any post-closure activity other than that specified in this permit must have prior approval of the Administrative Authority.

VI. GROUNDWATER PROTECTION

VI.A. APPLICABILITY

The regulations of LAC 33:V, Chapters 3, 5, 15, 29, 33, 35, and 37, and Louisiana Hazardous Waste Control Law, La. R.S. 30:2171 et. seq. of the Environmental Quality Act, R.S. 30:2001 et seq., and the provisions of this condition shall apply to groundwater protection programs at the unit identified in Condition IV, Table 1 of this permit. All requirements of this condition must be satisfied and shall apply until the Administrative Authority has accepted the certification of completion of post-closure care required by regulation and under Condition III.O.7 of this permit. This includes compliance, closure, and post-closure care periods. The unit referenced in Condition IV, Table 1 of the permit is subject to post-closure groundwater monitoring. If additional groundwater 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.

VI.B. REQUIRED PROGRAMS

The Permittee must implement and maintain a corrective action program per Condition VI.J using all existing systems necessary to comply with monitoring programs specified herein and as stated in the most current approved Post-Closure Care Plan. Corrective actions must continue uninterrupted to the fullest extent until groundwater problems are abated per the requirements of LAC 33:V.3321 and this requirement is terminated through permit modifications in accordance with LAC 33:V.321 and 322, as applicable. The sampling and analysis and corrective action requirements are contained in the approved Post-Closure Care Plan (see Attachment 1).

All wells and any associated piezometers described in Table 2 of this permit must be maintained, protected from moving equipment, and cannot be abandoned unless exempted from the program at a later date by the Administrative Authority, or unless the integrity of the well or piezometer is threatened. In such a case, it must be replaced with a new well, in conformance with a work plan approved by the Administrative Authority (see Condition VI.K—Construction and Abandonment of Monitoring Wells and Geotechnical Boreholes). The Permittee must include revised facility maps in the Annual Report, depicting all monitoring, assessment, compliance, and corrective action wells.

VI.C. GROUNDWATER PROTECTION STANDARD

VI.C.1. The Permittee must comply with conditions specified in this permit that are designed to insure that hazardous waste and hazardous waste constituents do not exceed the concentration limits (see Condition VI.D) in the uppermost permeable zones underlying the waste management areas, beyond or below the points of compliance (see Condition VI.E) during the compliance period (see Condition VI.F). The protection

standard does not exempt the Permittee from required corrective action regarding contamination detected by wells not assigned as groundwater compliance points.

VI.C.2. The Permittee must utilize and maintain the present groundwater monitoring system described in this permit.

VI.C.3. The Permittee must adhere to the sampling and analysis requirements delineated in the Post-Closure Care Plan referenced in Attachment 1.

VI.D. HAZARDOUS CONSTITUENTS, PARAMETERS, ANALYTICAL FREQUENCY AND CONCENTRATION LIMITS

The wells, hazardous constituents and concentration limits to which the protection standards of LAC 33:V.3305 apply are shown herein in Tables 2 and 3. The sampling frequency for constituents is noted in Table 2. The Alternate Concentration Limits (ACLs) for each hazardous waste constituent specified in Table 3 shall serve as the groundwater protection standard.

Under this permit, the Permittee will institute corrective action in all areas associated with the permitted post-closure unit and appurtenances where groundwater has been affected by hazardous wastes, hazardous constituents, or parameters exceeding the assigned ACLs. The Permittee must also implement corrective measures in other areas which may be discovered to exceed these limits in the future.

VI.E. POINT OF COMPLIANCE

The point of compliance (POC) at which the groundwater protection standard of LAC 33:V.3305.A applies, and at which monitoring must be conducted, are the vertical intervals intercepted by the wells identified in Table 2 and required by Condition VI.C.2. The horizontal limit of compliance must be the surface following an imaginary line connecting the risers of monitoring wells listed as Point of Compliance wells in Table 2 unless amended through permit modifications by the Administrative Authority in the future. The vertical limit of compliance must be the uppermost aquifer.

When contamination is detected in the uppermost aquifer underlying the waste management area, the next vertical aquifer or permeable zone must also be monitored. In the event that hazardous constituents are detected at the point of compliance above the groundwater protection standard, the Permittee shall institute a corrective action program. During the corrective action program (i.e., until such time as hazardous constituents are no longer detected above the groundwater protection standard at the point of compliance and beyond), the groundwater quality at each monitoring well (including point of compliance wells, plume defining wells, monitoring wells and monitored attenuation wells) identified in Table 2 must be monitored in order to determine the effectiveness of the corrective action. Additional monitoring wells may be installed, as required.

Table 2, RCRA Units, Point of Compliance and Monitoring Wells, Sampling Frequencies, and Analytical Parameters

Unit Monitored	Well	Zone	Type	Sampling Frequency ⁹	Parameters
Secondary Wastewater Treatment Facility	A-11	B-Zone ¹	POC ⁴ /CA ⁵	Semi-annually	<u>Groundwater Quality Parameters</u> pH Specific Conductance Turbidity <u>Specific Groundwater Monitoring Parameters</u> chlorobenzene
	A-13	B-Zone	POC/CA		
	A-19	B-Zone	POC/CA		
	A-20	B-Zone	POC/CA		
	A-23	B-Zone	CA		
	A-25	B-Zone	UG ⁶ /CA		
	A-26	B-Zone	CA		
	A-30	B-Zone	CA		
	A-5B	26 Foot Silty Interval ²	POC/CA		
	A-31	60 Foot zone ³	CA		
	A-33	B-Zone	French Drain ⁷	Quarterly	
	A-34	26 Foot Silty Zone	Recovery Well ⁸		
	A-35	26 Foot Silty Zone	Recovery Well		

¹ B Zone – Upper Most Permeable Monitored Zone

² 26 Ft Silty Interval – Middle Permeable Monitored Zone

³ 60 Ft Zone – Lower Most Permeable Monitored Zone

⁴ POC-- Point of Compliance Well

⁵ CA – Corrective Action Monitoring Well

⁶ UG -- Upgradient Well

⁷ French Drain – Corrective Action System for Groundwater recovery in the B-Zone

⁸ Recovery Well – Groundwater Recovery Well in the 26 Foot Silty Zone

⁹ The Permittee must meet Condition VI.J.4 before the corrective action system can be decommissioned.

Table 3, Groundwater Monitoring Methods and Requirements.

Parameters		Analytical Method ¹	Zone Monitored	Alternate Concentration Limit (ACL) ²
Groundwater Quality Parameters	pH	Field Measurement	All Samples	Note ³
	Specific Conductance	Field Measurement	All Samples	Note ³
	Turbidity	Field Measurement	All Samples	Note ³
Site-Specific Monitoring Parameters	chlorobenzene	EPA Method 8260	B-Zone/26 Foot Zone	22 (B-Zone)/44 (26 Foot Zone) ⁴ (MO-1 RS)

¹ Test Methods for Evaluating Solid Waste Physical/Chemical Methods, Third Edition (EPA Publication Number SW-846, 1986 as amended): must be in accordance with the latest edition of SW-846.

² The Alternate Concentration Limits (ACLs) shall be the groundwater protection standard unless changed through permit modification by the Administrative Authority. The ACLs have been developed according to calculated RECAP Groundwater Screening Standards, and an evaluation of site-specific conditions. The Permittee must report (in the groundwater monitoring reports) to the Administrative Authority, any detectable level of compounds on Table 2, even if lower than the ACL. Concentration limits are listed in mg/L.

³ These parameters are only being used for qualitative groundwater evaluation with no statistical evaluation. As such, no specific PQL is required other than method consistency.

⁴ The ACLs were established in accordance with LAC 33:V.3309.B.

VI.F. COMPLIANCE PERIOD

The compliance period during which the groundwater protection standard of LAC 33:V.3305.A applies will continue until the Administrative Authority has accepted the certification of completion of post-closure care required by regulation and under Condition III.O.7 of this permit. However, since a corrective action program has been implemented, the compliance period can not end until after the Permittee has demonstrated that the corrective action has been effectively implemented and the groundwater protection standard of LAC 33:V.3305.A has not been exceeded for a period of three (3) consecutive years.

VI.G. GENERAL REQUIREMENTS

VI.G.1. The Permittee's groundwater monitoring system for the previously identified hazardous waste management facilities must consist of all wells as listed in Table 2, unless changed in the future by the Administrative Authority through permit modification.

VI.G.2. The Permittee must maintain the structural and mechanical integrity of all wells and provide protection from accidental damage and surface infiltration, as well as implement a monitoring well inspection schedule. A written report on damage to any well must be submitted to the Administrative Authority in accordance with Condition II.E.22 of this permit.

VI.G.3. Upgradient wells must always yield groundwater samples from the uppermost water-bearing zone that is representative of groundwater that has not been affected by possible leakage from the waste management unit. Downgradient and vertical point of compliance wells must yield groundwater samples from the water-bearing zones that represent the quality of groundwater beneath the facilities that flows to the points of compliance.

VI.G.4. The Permittee must conform to the sampling and analysis requirements delineated in the Post-Closure Care Plan (see Attachment 1) and as required by LAC 33:V.3315.

VI.G.5. Each well must be measured for total depth and depth to water on the same day and prior to purging. Measurements must be to the nearest 0.1 foot, and the values must be recorded in the field notebook and reproduced and submitted in the Semi-Annual and Annual Groundwater Monitoring Reports. If 10% of the screened interval is blocked by sediments, the well must be redeveloped prior to the next required sampling event.

VI.G.6. Each well must be purged by evacuation to dryness or by removing a minimum of three casing volumes. The wells must be sampled immediately upon purging and/or when sufficient water for sampling has recharged the well. Other techniques (e.g., micro-purging) must be approved by the Administrative Authority prior to use in monitoring or

corrective action programs. Purging methods must be consistent throughout the life of the permitted closed unit.

VI.G.7. Samples must be withdrawn using dedicated or adequately cleaned equipment for each well. No equipment or method may be used that will chemically alter or influence the sample. Sampling devices other than bailers must be approved by the Administrative Authority prior to use in monitoring or corrective action programs. Care must be taken to avoid placing clean sampling equipment on the ground or on any contaminated surface. Sampling methods and equipment must be compatible throughout the life of the permitted closed unit.

VI.G.8. Groundwater samples shall be monitored and analyzed for turbidity. Samples containing less than five (5) NTU (nephelometric turbidity unit) are acceptable for analysis when the analytical method is sensitive to turbidity (such as the analysis of metals). Samples containing greater than five (5) NTU are only acceptable when well development is certified by a qualified geologist as "the best obtainable". An evaluation of turbidity must accompany all potentially affected analytical values.

VI.G.9. The Permittee must measure pH and specific conductance as standard indicators of groundwater contamination, which will be used to indicate well integrity and possible groundwater contamination. The results of these analyses must be recorded in the field log book and interpreted.

VI.G.10. A chain of custody protocol must be employed that will allow for tracking possession and handling of samples from the time of collection through laboratory analysis. All sample containers must be labeled to prevent misidentification, have proper seals, and indicate the test parameters required.

VI.G.11. Sample preservation, handling and analysis must meet the specifications of LAC 33:V.3315.D and E and Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd. Edition (EPA Publication Number SW-846, as amended) or an equivalent substitute (approved by the Administrative Authority prior to implementation). Containers, preservation methods and analytical limits are listed in the current, approved Post-Closure Care Plan and Table 3 of this permit, respectively.

VI.G.12. The Permittee must use one of the statistical procedures outlined in the most current approved facility Post-Closure Care Plan or LAC 33:V.3315.H in determining whether background values or concentrations have been exceeded for the hazardous constituents specified in Table 3.

VI.G.13. Records of all sampling and analytical work must be maintained at the site during the life of the facilities, including post-closure care periods. An up-to-date field log book (or compilation of field sheets) must be kept at the site which documents (for each sample) the well identification number, total well depth, elevation of top of casing, water level, water color (visual), well evacuation procedures and equipment, sample

withdrawal procedures and equipment, date, time sample identification numbers, field measurements (pH, specific conductance, etc.) and methods, name of collector, field observations, calculations of the standing water volume in the well, and the total volume evacuated.

VI.H. DETECTION MONITORING PROGRAM

(RESERVED) The Permittee is currently in the Corrective Action Program as per Condition VI.J.

VI.I. COMPLIANCE MONITORING

(RESERVED) The Permittee is currently in the Corrective Action Program as per Condition VI.J.

VI.J. CORRECTIVE ACTION PROGRAM

The Permittee shall implement and maintain a Corrective Action Program in accordance with the requirements of LAC 33:V.3321 and as subsequently directed by the Administrative Authority. Water quality sampling, water level measurements and the general compilation of data to demonstrate the effectiveness of existing and new corrective action programs must be made until compliance with groundwater protection standards is achieved for at least three (3) years or until this requirement is terminated in writing by the Administrative Authority (after the data indicates adequate control of contaminant migration and concentration increases).

VI.J.1. The Permittee must evaluate and report the effectiveness and progress of the corrective action semi-annually to the Administrative Authority as required by LAC 33:V.3321.G. The evaluation shall include the following:

VI.J.1.a. general discussion on the effectiveness of the corrective action in controlling the source of release and protecting human health and the environment, and progress being made toward completion;

VI.J.1.b. trend analysis and updated schedule for completion of the corrective action;

VI.J.1.c. evaluation of performance reliability, ease of implementation and any encountered concerns or problems;

VI.J.1.d. any changes to surrounding land use or environmental receptors that may impact effectiveness;

VI.J.1.e. recommendations for improvement, if applicable;

VI.J.1.f. recovered amounts for each component of a recovery system (e.g., recovery wells, French drain systems, etc.) and the entire system; recovered

amounts for both contaminants and all liquids; recovered amounts for both the reporting period and since recovery implementation; and

VI.J.1.g. graphical and statistical analyses, as necessary, to demonstrate the effectiveness and progress (the Administrative Authority may also require predictive computer modeling, as per LAC 33:V.3303.D).

VI.J.2. Corrective action monitoring wells are wells present or proposed for installation serving the purpose of monitoring the effectiveness of the corrective action.

VI.J.2.a. The corrective action monitoring wells (as listed in Table 2) must be sampled according to a frequency approved by the Administrative Authority, as part of the evaluation of the corrective action program, for constituents specified in Table 3 to satisfy LAC 33:V.3315.A.3.

VI.J.2.b. If the Permittee determines that there is statistically significant evidence of contamination for chemical parameters or hazardous constituents at any monitoring wells, including corrective action monitoring wells and point of compliance wells, previously reported as non-detect, the Permittee must notify the Administrative Authority of the finding in writing within seven (7) days. This notification must indicate what chemical parameters or hazardous constituents have shown statistically significant evidence of contamination. Further, the Permittee must do one of the following:

VI.J.2.b.(1) Submit a workplan to the Administrative Authority within ninety (90) days from the date of the confirmation of contamination. The workplan must detail the specific additional assessment procedures the Permittee will conduct to identify the full extent of the plume and propose any changes necessary to the corrective action to achieve the groundwater protection standard. The workplan shall include any proposed changes to the groundwater monitoring system, monitoring frequency, sampling and analysis procedures and methods, and/or statistical methods; or

VI.J.2.b.(2) Demonstrate that a source other than a regulated unit caused the contamination or that the detection is an artifact caused by an error in sampling, analysis, or statistical evaluation or natural variation in the groundwater. The Permittee may make a demonstration under this paragraph in addition to, or in lieu of, submitting a permit modification application; however, the Permittee is not relieved of the requirement to submit a permit modification application within the time specified unless the demonstration made under this paragraph successfully shows that a source other than a regulated unit caused the increase, or that the increase resulted from error in sampling, analysis, or evaluation. In making a demonstration under this paragraph, the Permittee must:

VI.J.2.b.(2).a. Specify the Permittee's intention to make a demonstration under this Paragraph when notifying the Administrative Authority of the statistically significant evidence of contamination;

VI.J.2.b.(2).b. Within ninety (90) days, submit a report to the Administrative Authority that demonstrates that a source other than a regulated unit caused the contamination or that the contamination resulted from error in sampling, analysis, or evaluation. Further, the Permittee must submit an application for a permit modification to make any appropriate changes to the monitoring program; and

VI.J.2.b.(2).c. Continue to monitor in accordance with the monitoring program established under this permit.

VI.J.3. If the Permittee determines that the corrective action program (including monitoring) no longer satisfies the requirements of this permit, the Permittee, within ninety (90) days, shall submit an application for a permit modification to make any appropriate changes to the program.

VI.J.4. All monitoring wells in the monitoring network including the ten corrective action monitoring wells and two corrective action recovery wells and the French Drain will be sampled in accordance with Tables 2 and 3 of this permit. The corrective action system comprised of the recovery wells A-34 and A-35 and the A-33 French Drain will remain operational until the concentration of chlorobenzene is below the approved alternate concentration limits in Table of this permit. When the permittee has established that the concentration of chlorobenzene has stabilized below the ACL, the corrective action system may be inactivated and the ten monitoring wells, the recovery wells and the French Drain will be sampled quarterly for chlorobenzene for a period of one year (four quarters). If the concentration of chlorobenzene remains below the ACL, then semi-annual sampling will resume until the permittee has met Condition III.O.7 of the permit or a demonstration of an acceptable shortened post-closure care period in accordance with LAC 33:V.3521.A.2.

VI.K. CONSTRUCTION AND ABANDONMENT OF MONITORING WELLS AND GEOTECHNICAL BOREHOLES

The construction and abandonment of groundwater monitoring wells must conform to the standards and guidelines specified in the latest version of the "**CONSTRUCTION OF GEOTECHNICAL BOREHOLES AND GROUNDWATER MONITORING SYSTEMS HANDBOOK.**" This document is printed by and available from the Louisiana Department of Transportation and Development (DOTD), Water Resources Section, P.O. Box 94245, Baton Rouge, Louisiana 70804-9245. The document is also available online at <http://www.dotd.state.la.us/intermodal/wells/wellhandbook.asp>.

A work plan for the construction of a new well must be submitted to the Administrative Authority for approval as the entire groundwater monitoring system must be approved. Any required new well should be installed within thirty (30) days of approval of the work plan by the Administrative Authority. Upon completion of new or replacement well, a copy of DOTD-GW-1 S, DOTD Well Registration Short Form, is to be provided to the Administrative Authority.

The Permittee must provide for the sealing of any vertical migration path resulting from exploratory boring, leachate collection or detection systems and/or groundwater monitoring programs as provided in LAC 33:V.3323. A work plan for the plugging and abandonment of a well must be submitted for approval by the Administrative Authority, whenever such migration pathways are discovered. Upon completion of well abandonment, a copy of DOTD-GW-2, DOTD Well Plugging and Abandonment Form, is to be provided to the Administrative Authority.

VI.L. REPORTING AND NOTIFICATION REQUIREMENTS

VI.L.1. Semi-Annual Groundwater Report

The Permittee shall submit a Semi-Annual Groundwater Report by September 1st of each year. The report shall include the following:

VI.L.1.a. a table showing well number, well depth, interval screened, zone monitored, well diameter, screen and casing material (and the type of pump, if applicable) for all wells;

VI.L.1.b. a facility map showing all wells (up-gradient, point of compliance, assessment, Corrective action monitoring) and identifying zones in which wells are screened;

VI.L.1.c. a scaled potentiometric surface showing well locations, groundwater elevations with respect to mean sea level for each monitored zone;

VI.L.1.d. all analytical data, including QA/QC;

VI.L.1.e. a summary of all analytical data;

VI.L.1.f. a statistical method shall be used in evaluating data for each hazardous constituent, as approved by the Administrative Authority;

VI.L.1.g. graphical representation of those parameters with MCLs specified in Table 3 for each sampling event. The graphical representation must include:

VI.L.1.g.(1) contaminant concentration isopleth maps;

VI.L.1.g.(2) contaminant concentration versus time graphs;

VI.L.1.h. a discussion of any significant changes in the data from the last reporting period;

VI.L.1.i. a discussion of the down time for any well or part of the system and actions taken to return the system to normal operations and maximum efficiency;

VI.L.1.j. evaluation of the effectiveness and progress of any corrective action in accordance with Condition VI.J.1.

VI.L.2. Annual Groundwater Report

An Annual Groundwater Report must be submitted each year no later than March 1, as required by LAC 33:V.1529.D.8. This report must summarize all groundwater activities for the preceding calendar year including an evaluation of the monitoring strategy in relation to the direction of groundwater flow and locations of wells associated with the facilities. Applicable calculations must also include groundwater flow contaminant migration rates (as applicable), statistical comparisons, and any other information as it regards corrective action required by this permit. The report shall also include the second Semi-Annual Groundwater Monitoring Report as specified in Condition VI.L.1.

VI.L.3. Notification of Statistically Significant Evidence of Contamination

The Permittee must notify the Administrative Authority in accordance with Conditions VI.H, VI.I or VI.J when there is statistically significant evidence of contamination for chemical parameters or hazardous constituents.

VI.L.4. Notification of Release to SPOC

In the event of a release in, into, within, or on any groundwaters of the state, (i.e., any confirmation of contamination in any previously uncontaminated saturated subsurface strata) the Permittee must notify the Department within twenty-four (24) hours of confirming statistically significant evidence of a release. Notification shall be made to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC) in accordance with LAC 33:V:309.L.7 and Condition II.E.18 of this permit. This requirement is in addition to notification requirements to the Administrative Authority discussed in Conditions VI.H, VI.I or VI.J.

VII. GENERAL AND SPECIAL CONDITIONS PURSUANT TO HAZARDOUS AND SOLID WASTE AMENDMENTS

Section 3004(u) of RCRA, as amended by the Hazardous and Solid Waste Amendments (HSWA), and LAC 33:V.3322 require that permits issued after November 8, 1984, address corrective action for releases of hazardous waste or hazardous constituents from any solid waste management unit (SWMU) at the facility, regardless of when the waste was placed in the unit.

Each hazardous waste treatment, storage and disposal facility must address corrective action on a site-wide basis in the facility's RCRA permit. The permit must address provisions for investigation, assessment, and selection of final remedies for all releases and potential SWMUs at facilities subject to the provisions of LAC 33:V.3322. However, since a single facility or site may possess multiple RCRA permits, the HSWA provisions **will not** be contained in this permit. All site-wide corrective action requirements for the BASF Geismar Facility required under LAC 33:V.3322 are addressed under Permit No. LAD040776809-OP-RN-1.

ATTACHMENT 1

ATTACHMENT 1
LIST OF FACILITY DOCUMENTS INCORPORATED
IN THE PERMIT BY REFERENCE
LAD040776809
AI#2049

DOCUMENT TYPE	APPLICATION /DOCUMENT DATE	ELECTRONIC DATABASE MANAGEMENT SYSTEM (EDMS) DOCUMENT ID	COMMENTS
Post-Closure Plan	12/18/2007	36498782	Response to Comments, Appendix P, Attachment 2, Page 53 of the EDMS Document
Waste Analysis Plan	11/01/2006	35474287	Volume II, Appendix A, Attachment 1, Page 9 of the EDMS Document
Contingency Plan	11/01/2006	35474287	Volume II, Appendix A, Attachment 3, Page 198 of the EDMS Document
Inspection Plan	11/01/2006	35474287	Volume II, Appendix A, Attachment 5, Page 297 of the EDMS Document
Security Plan	11/01/2006	35474087	Volume I, Security Procedures, Page 144 of the EDMS Document
Personnel Training Plan	11/1/2006	35474287	Volume II, Appendix A, Attachment 2, Page 148 of the EDMS Document
Arrangements with Local Authorities	11/1/2006	35474287	Volume II, Appendix A, Attachment 3, Page 284 of the EDMS Document